



Petrol Bunk Management System
A PROJECT REPORT

Submitted by

JAYAVIGNESH KSD (1010108012)

In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE

KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE 641 049

(An autonomous institution affiliated to Anna University, Chennai)

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BONAFIDE CERTIFICATE

Certified that this project report “**PETROL BUNK MANAGEMENT SYSTEM**” is the bonafide work of **JAYAVIGNESH KSD (10101080012)** who carried out the project work under my supervision.

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ABSTRACT

The petrol bunk management system is developed for the sole purpose helping bunk owner manage their petrol bunk in an efficient way. As of date petrol bunk owners used log books and manually record entries of the pump discharge and they use a slip known as tank lorry slip for noting down the fuel loads being delivered to the bunk through means of tanker lorry. It is a mandate specified by oil corporations to follow this procedure. Moreover they also maintain several others logs which make it a tedious process to follow. This management system reduces the number of data entry points thus reducing a major part of this tedious process.

The admin console allows the admin to add a user or remove a user and similarly add and remove credit parties. The admin can provide access to a trusted person of the bunk to take care of the task they have to perform. Moreover it is possible for the admin to view or track the credit parties' bills. The admin can also print the two pages as a monthly report which changes to a simple printable format when print function is called.

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LIST OF ABBREVIATIONS

S.NO.	ABBREVIATION	DESCRIPTION
1.	AJAX	Asynchronous JavaScript and XML
2.	CSS	Cascading Style Sheets
3.	PHP	Hypertext Pre-processor
4.	SQL	Structured Query Language
5.	MS	Motor Sprits
6.	HSD	High Speed Diesel
7.	DBMS	Database Management System
8.	PBMS	Petrol Bunk Management System

CHAPTER 1

INTRODUCTION

The petrol bunk management system is designed to efficiently manage the petrol bunks and with ease. This application acts as easy alternative to tedious manual data entry with multiple entry points and calculations was made manually. The petrol bunk management system simplifies the work the user just by getting data from the user and then performing calculations thus saving the user a lot of time and a faster management system. The petrol bunk management can be easily managed using the admin console. Users can be added and removed as per need of admin and also track customers. Generally though management of bunks seem quite easy there are several task that are to be done

1.1 EXISTING SYSTEM

The existing system used in the petrol bunk is manual entry methods and involves no automation or any computerized methods. The bunk owner has to manually fill in the details. Three log books are maintained which are the density register, meter reading register and customer bill book. Every day the bunk owner or one of his staff employees have to manually fill these record books and then make calculation which takes on an average of 1 hour. There are multiple data entry points and data might be entered wrongly and this might cause a fatal flaw in calculation resulting in uncalculated loss or profit. Moreover if the client wants to view any particular data of a particular month it will be a tedious process to search for that particular data.

1.2 PROPOSED SYSTEM

The development of this new system contains the following facilities

- Computerized entry for density register, meter reading.
- A PDF is generated for the tanker lorry slip which can be then be printed and stuck on the tanker lorry
- A login page is provided to authenticate users. Based on authentication access is provided. Only the admin can access the admin panel and other users are not granted access.
- An admin panel with 5 functionalities are provided
 - Check customer credit
 - Add new user
 - Remove user
 - Add new Creditbillparty
 - Remove Creditbillparty

1.2 IMPLEMENTATION

The work is implemented using mysql DBMS and Apache web server.

Implementation of this project is done with a single database. For the evaluation purpose, a sample of 10 records is inserted in the database. The GUI provides the user with the option of choosing what operation to perform. There are various operations like adding credit party details, add or remove a user, print details and pdf generation. The results of the operation are displayed in user interface and the changes are reflected in the respective table in the database. The login interface is given to the users to enter the user id and password. The authentication details are verified using user table that is available in the database.

CHAPTER 2

LITERATURE REVIEW

While virtual management environments have been available in some capacity since 1960, “the PLATO system featured multiple roles, including students who could study assigned lessons and communicate with teachers through on-line notes, instructors, who could examine student progress data, as well as communicate and take lessons themselves, and authors, who could do all of the above, plus create new lessons” (Wikipedia, 2006a, 1960s section,).

Management systems have only been available, in roughly their present form, since the 1990s (Vollmer, 2003), with Blackboard and WebCT being broadly adopted in universities and colleges by early 2000 (Online, 2006). Initial versions of an LMS focused on organizing and managing course content and learners. As with many organizations, higher education was unsure about the role of technology in the educational process. The rapid penetration of management systems as key tools for management occurs in a vacuum of solid research as to their effectiveness in increasing management—or even indication of best practices for technology implementation. Pedagogy is generally a secondary consideration to student management; some researchers attempted to bridge research from face-to-face environments to technology spaces (Chickering & Ehrmann, 1996)—a practice that may be convenient, but errs in assuming that the online space is an extension of physical instruction, not an alternative medium with unique affordances. Managementsystems became the default starting point of technology enabled management in an environment largely omitting faculty and learner needs.

CHAPTER 3

SYSTEM SPECIFICATION

3.1 HARDWARE REQUIREMENTS

S.NO.	HARDWARE	REQUIREMENT
1	Processor Type	Intel Core i5
2	Processor Speed	2.53 GHz
3	RAM	4 GB RAM
4	Hard Disk Capacity	320 GB
5	Monitor	14/17”
6	Mouse	Optical
7	Keyboard	101/104 Keys

Table 3.1 Hardware Requirements

3.2 SOFTWARE REQUIREMENTS

- Text Editor
- Web browsers (latest version)
- Apache Web Server
- MYSQL DBMS
- Development Tools: PHP,CSS,HTML,SQL

CHAPTER 4

SOFTWARE DESCRIPTION

4.1 FRONT END

4.1.1 HTML

HTML is the predominant mark-up language for web pages. HTML is the basic building-blocks of web pages. The purpose of a web browser is to read HTML documents and compose them into visual or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page.

HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.

Web browsers can also refer to Cascading Style Sheets(CSS) to define the appearance and layout of text and other material. The W3C, maintainer of both the HTML and the CSS standards, encourages the use of CSS over explicitly presentation HTML mark-up.

4.1.2 PHP

Hypertext Pre-processor is a general-purpose scripting language that was originally designed for web development to produce dynamic web pages. For this purpose, PHP code is embedded into the HTML source document and interpreted by a web server with a PHP processor module, which generates the web page document.

As a general-purpose programming language, PHP code is processed by an interpreter application in command-line mode performing desired operating system operations and producing program output on its standard output channel. It may also function as a graphical application. PHP is available as a processor for most modern web servers and as a standalone interpreter on most operating systems and computing platforms.

4.1.3 JQUERY

JQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML. It was released in January 2006 at BarCamp NYC by John Resig. It is currently developed by a team of developers led by Dave Methvin. Used by over 80% of the 10,000 most visited websites, jQuery is the most popular JavaScript library in use today.

JQuery is free, open source software, licensed under the MIT License. JQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications. JQuery also provides capabilities for developers to create plug-ins on top of the JavaScript library. This enables developers to create abstractions for low-level interaction and animation, advanced effects and high-level, theme-able widgets. The modular approach to the jQuery library allows the creation of powerful dynamic web pages and web applications.

The set of jQuery core features — DOM element selections, traversal and manipulation — enabled by its selector engine (named "Sizzle" from v1.3), created a new "programming style", fusing algorithms and DOM-data-structures; and influenced the architecture of other JavaScript frameworks like YUI v3 and Dojo.

Microsoft and Nokia bundle jQuery on their platforms. Microsoft includes it with Visual Studio for use within Microsoft's ASP.NET AJAX framework and

ASP.NET MVC Framework while Nokia has integrated it into the Web Runtime widget development platform. JQuery has also been used in MediaWiki since version 1.16

4.2 BACKEND

4.2.1 MYSQL

A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or the vast amounts of information in a corporate network. To add, access, and process data stored in a computer database, you need a database management system such as MYSQL Server. Since computers are very good at handling large amounts of data, database management systems play a central role in computing, as standalone utilities, or as parts of other applications.

CHAPTER 5

MODULES WITH DESCRIPTION

5.1 LOGIN

The login page is the first page the user sees when they open the website on their web browser. The login page is used to authenticate the users before they access the application. The admin has a higher privilege and is provided extra functionality such as adding new user or removing users and similarly for credit bill party and he check on the amount the credit party has to pay. The login page is coded to prevent any SQL injections.

5.2 PDF GENERATOR

The tanker lorry slip needs to be printed 8 times for the petrol and 12 times for diesel as per the regulations set by Hindustan petroleum. So the tank lorry slip form receives the data that needs to be entered in the PDF. Once the form is submitted the data is then sent to a PHP file which then generates the PDF file using the library using FPDF.

5.3 DENSITY REGISTER

The log book format for density register has been replicated in created the density register form. It is a liveform where the user can double click on a cell and enter data as well he change data by double clicking on a cell. These changes are updated to the database instantly after they have been verified. The user even can take a print out of a month for the current year as a form. The form automatically adds dates into the table if the month is found to be missing. The year changes after Dec 31st. This form gets it invoice no from the tank lorry slip thus reducing the number of data entry points. The density register automatically converts the density to 15°C.

5.4 METER READING

The meter reading form is similar to density register. There are 2 tanks in total. One is a petrol tank and the other is a diesel tank. The petrol tank is connected to four pumps and the diesel tank is connected to four pumps. The meter reading of these pumps is stored in these forms. This is a live form and data can be updated while viewing the data by double clicking. A monthly report can be taken as a print if needed and generates dates automatically.

5.5 CREDITBILLPARTY

The credit bill party is a dynamic form where the credit customer bills are entered. In this dynamic form the more no of items the more no of rows can be generated. Once the customers' bills are entered, admin tracks each customer.

5.6 ADMIN CONSOLE

The admin console is a page that can only be accessed if logged in as admin user. The admin console is page that can be used to perform functionalities. These functionalities are used to define control of users of application. It consists of five different functionalities. They are:

- **Check customer credit**
Here each customer can be tracked and his credit can be checked
- **Add new user**
A new user can be added to add data to these forms
- **Remove user**
Any user can be removed by the admin.
- **Add credit party**
A new credit party can be added
- **Remove credit party user**
Any credit party user can be removed.

CHAPTER 6

TESTING AND IMPLEMENTATION

6.1 TESTING

Testing is a process of executing a program with the intent of finding an error. A good testing case is one that has a high probability of finding an as-yet undiscovered error. A successful test is one that uncovers an as-yet undiscovered error. Testing demonstrates that software appears to be working according to specification and that performance requirement appears to have been met.

The following list of categories shows that this software has been tested.

- No bugs block the execution of tests.
- Distinct output is generated for each input.
- The product evolves in the functional stages (allows simultaneous development and testing).
- Internal errors are automatically reported.
- Source code is accessible.
- All possible outputs can be generated through some combination of inputs.
- All code is executed through some combination of inputs.
- Tests can be conveniently specified, automated and reproduced.
- Software modules can be tested independently.
- Structural simplicity (architecture is modularized to limit the propagation of faults).
- Changes to the software are infrequent.
- Design to software is well understood.
- Changes to the design are communicated.

Software testing is often referred as verification and validation. Verification refers to the set of activities that ensures that the software is implemented correctly.

6.1.1 TYPES OF TESTING

- System testing.
- Unit testing
- Integration testing
- Validation testing
- Output testing
- User acceptance testing

6.1.1.1 SYSTEM TESTING

Testing of the debugging programs is one of the most critical aspects of the computer programming triggers, without programs that works, the system world never produce the output for which it was designed. Testing is best performed when user development are asked to assist in identifying all errors and bugs. The sample data are used for testing. It is not quality of the data used the matter of testing. Testing is aimed at ensuring that the system was accurately an efficiently before live operation commends.

6.1.1.2 UNIT TESTING

Unit testing tests each module individually and integrate with the overall system. Unit testing focuses on the verification efforts in the smallest unit of software design. This is also known as module testing which is carried out during programming stage itself. In unit testing, each module is found to working satisfactorily as regard to the expected output from the module. There are same validation checks for fields also. It is very easy to find error debut in the system.

6.1.1.3 INTEGRATION TESTING

Data can be lost across an interface; one module can have an adverse effect on the other sub function when combined may not produce the desired major function. Integrated testing is the systematic testing for constructing the uncover errors which merging different modules of a software. The need for integrated test is to find the overall system performance.

6.1.1.4 VALIDATION TESTING

Validation testing can be defined many ways but a simple definition is that validation succeeds when the software function in manner that can be reasonably expected by the customer. After validation test has been conducted one of the two possible conditions exists. The function or performance characteristics confirm to specification and one accepted.

6.1.1.5 OUTPUT TESTING

Output testing is the one without which no system could be useful if it does not produce the required output the specific format. Asking the user about the format required by system tests the output displayed or generated by the system consideration.

The output format is considered the of screen display. The output format on the screen is found to be correct as the format was designed in the system phase according to the user need. For the hard copy also the output comes out as specified by the user. Hence the output testing does not result in any correction in the system.

6.1.1.6 USER ACCEPTANCE TESTING

The software is deployed to the end users and tested for all the possible test cases from their view of requirements. The user acceptance testing is an important factor, during the testing of software.

6.2 SYSTEM IMPLEMENTATION

Implementation includes all those activities that take place to convert from the old system to the new. The new system may be totally new, replacing an existing system. Proper implementation is essential to provide a reliable system to meet the organizational requirements. Successful implementation may not a guarantee improvement in the organization using the new system, as well as, important installation will prevent any improvement

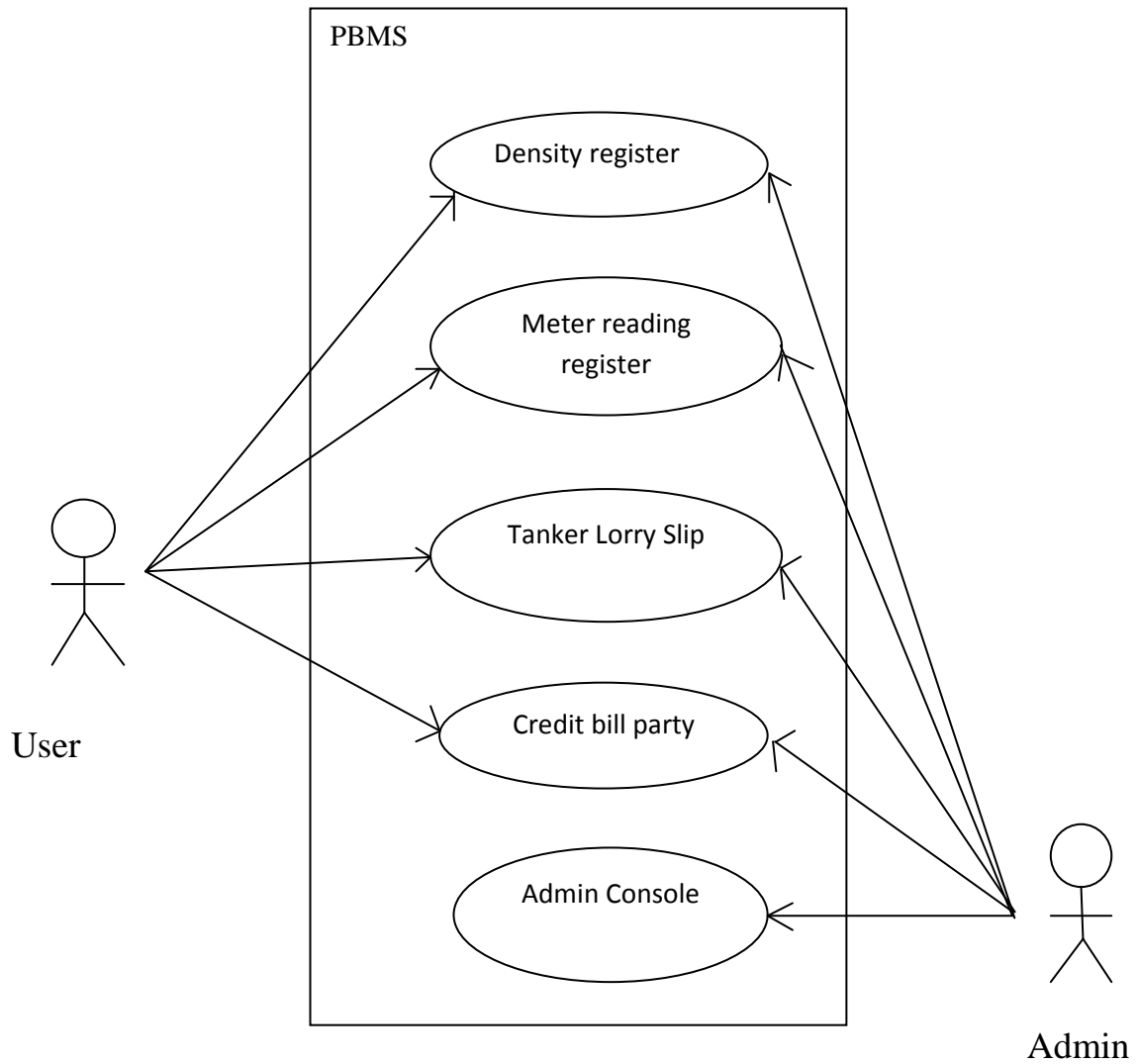
The implementation phase involves the following tasks.

- Careful planning
- Investigation of system and constraints
- Design of methods to achieve the Changeover
- Training of staff in the Changeover phase

CHAPTER 7

DIAGRAM

7.1 USECASE DIAGRAM



CHAPTER 8

CONCLUSION

Thus through the use of the petrol bunk management system the admin is able to manage his petrol bunk over the LAN and is also able to monitor the bunk remotely. The time spent on manually calculating the log registers is now managed by the management system and system being a webapplication the user is able to host the application elsewhere and use it from a different place.

Further advancements in this software would be automatically obtain the readings from the pump and mail notification to those clients whose credit value goes beyond a particular limit and asking them to within a particular deadline. Providing a login space for the credit party where could make a order online should that when his/her truck arrives the order would be ready even if there was no stock while placing the order. Automatic calculation of sales from the pumps. Automating most of the process. The only task of the admin would be to enter the load that has arrived and even the bill could be directly entered into the system.

A.1 SOURCE CODE:

Index.php

```
<?php  
  
error_reporting(0);  
  
session_start();  
  
if(isset($_SESSION['sessionid']) &&  
$_SESSION['sessionid']=='true')  
  
header('Location: welcome.php');  
  
try  
{  
  
if(!empty($_POST))  
  
{  
  
$con=mysqli_connect("localhost","root","","project") or  
die("Error");  
  
if(isset($_POST['username']) && isset($_POST['password']))  
  
{  
  
$user=mysqli_real_escape_string($_POST['username']);  
  
$password=mysqli_real_escape_string($_POST['password']);  
  
$query_result=mysqli_query($con,"SELECT * FROM Login  
WHERE username='$user' AND password='$password';");  
  
if(($query_result->num_rows)>0)  
  
{
```



```
$_SESSION["username"]=$_POST["username"];  
$_SESSION["sessionid"] = "true";  
header('Location: welcome.php');  
}  
else  
    throw new Exception("Invalid credentials");  
}  
else  
    throw new Exception("Refresh page");  
mysqli_close($con);  
}  
}  
catch(Exception $e)  
{  
    $error=$e->getMessage();  
}  
?>  
  
<html>  
  
<head>  
  
<style>  
  
body
```

```
{  
  background-color:#0056aa;  
}  
  
label  
  
{  
  color:#FFFFFF;  
  font-size:16;  
}  
  
.login  
  
{  
  background-color:#3288DC;  
  color:#FFFFFF;  
  position:relative;  
  width:13%;  
  top:40%;  
  left:40%;  
  border:2px solid;  
  border-top-left-radius:20px;  
  border-top-right-radius:20px;  
  border-bottom-left-radius:20px;  
  border-bottom-right-radius:20px;
```

```
}
```

```
.Heading
```

```
{
```

```
color:#FFFFFF;
```

```
position:relative;
```

```
top:40%%;
```

```
left:45%;
```

```
}
```

```
</style>
```

```
<script src="js/jquery-latest.js"></script>
```

```
</head>
```

```
<body>
```

```
<div class="Heading"><h1>Login</h1></div>
```

```
<div class="login">
```

```
<form method="POST">
```

```
<table width="100%">
```

```
<tr>
```

```
<td><label for="username">Username:</label></td><td><input  
type="text" id="username" name="username"></td>
```

```
</tr>
```

```
<tr>
```

```
<td><label for="password">Password:</label></td><td><input  
type="password" id="password" name="password"></td>
```

```
</tr>
```

```
<tr>
```

```
<td colspan="2" align="center"><input type="image"  
src="images/login.png" align="center"></td>
```

```
</tr>
```

```
<tr>
```

```
<td colspan="2" align="center"><label id="Error"><?php echo  
$error; ?></label></td>
```

```
</tr>
```

```
</div>
```

```
</body>
```

```
</html>
```

Welcome.php

```
<?php
```

```
error_reporting(0);
```

```
session_start();
```

```
if(!isset($_SESSION['sessionid']) &&  
$_SESSION['sessionid']!="true")
```

```
header('Location: index.php');
```

```
if($_GET['logout']=="true")
```

```
{
```

```
session_destroy();
```

```
header('Location: index.php');
}
?>
<!DOCTYPE HTML>
<html>
<head><title></title>
<link href="css/style.css" rel="stylesheet" type="text/css" />
</head>
<body>
<div class="main">
<div class="logout"><a
href="welcome.php?logout=true"><input type="image"
src="images/logoutbutton.png"></a></div>
<div class="username" style="position:fixed;"><label>Welcome
<?php echo $_SESSION["username"]; ?></label></div>
<div class="heading"><h1><a href="welcome.php">Petrol Bunk
Management Software<br /></a></h1></div>
<div class="container">
<div class="menu_nav">
<ul class="links">
<li><a href="welcome.php"><span>Home</span></a></li>
<li><a href="denreg.php"><span>Density
Register</span></a></li>
```

```
<li><a href="meter_reading.php"><span>Meter  
reading</span></a></li>
```

```
<li><a href="tank_lorry.php"><span>Tank Lorry  
Slip</span></a></li>
```

```
<li><a href="creditbill.php"><span>Credit Bill  
entry</span></a></li>
```

```
<?php if($_SESSION["username"]=="Admin") echo'<li><a  
href="Admin.php"><span>Admin console</span></a></li>'?>
```

```
</ul>
```

```
</div>
```

```
<div class="menu_nav_back"></div>
```

```
</div>
```

```
<div class="clr"></div>
```

```
<div class="img1"></div>
```

```
<div class="clr"></div>
```

```
</body>
```

```
</html>
```

```
denreg.php
```

```
<?php
```

```
error_reporting(0);
```

```
session_start();
```

```
if(!isset($_SESSION["sessionid"]) &&
$_SESSION["sessionid"]!="true")

    header('Location: index.php');

if($_GET["logout"]=="true")
{
    session_destroy();

    header('Location: index.php');
}

if(isset($_POST['tank']))
{
    $tank=$_POST['tank'];
}

else
{
    $tank="MS16KL";
}

$con=mysqli_connect('localhost','root','','project');

if($tank=="MS16KL")
    $quantity="MS_Quantity";

else
    $quantity="HSD_Quantity";

if($_POST['month']!=NULL)
```

```

                                                                 $month=
$_POST['month'];
else
                                                                 $month=
"01";
$year=date("Y");
$date=$year.'-'. $month.'-'."__";
if($_POST['tank']!=NULL)
                                                                 $tank=$
_POST['tank'];

$result=mysqli_query($con,"SELECT * FROM denreg_$tank
WHERE date LIKE '$date'");
mysqli_close($con);
?>

<html>
<head>
<title>Density Register</title>
<style>
@media screen
{
html
{
```



```
padding:0;  
margin:0;  
background-color:#0056aa;  
color: #FFFFFF;  
}  
select  
{  
color: #FFFFFF;  
background-color:#3288DC;  
border-color:#3288DC;  
}  
a  
{  
text-decoration:none;  
color: #FFFFFF;  
}  
a:visited  
{  
color:#FFFFFF;  
}  
a:hover  
{
```

```
color:black;  
}  
.heading  
{  
text-align:center;  
}  
.logout  
{  
position:absolute;  
right:10%;  
top:1%  
}  
{  
list-style-type: none;  
}  
ul li  
{  
display: inline;  
padding:6px;  
}  
.menu_nav_back  
{
```

```
position:fixed;  
width:100%;  
height:56px;  
top:80px;  
background-color:white;  
z-index: 1;  
}
```

```
.menu_nav  
{  
display:inline-block;  
background-color:#3288DC;  
border:2px solid;  
position:fixed;  
top:80px;  
left:35%;  
border-radius:8px;  
text-align:middle;  
z-index: 2;  
}
```

```
.logout input[type="image"]  
{  
width:20%;
```

```
}
```

```
.username
```

```
{
```

```
position:absolute;
```

```
left:10%;
```

```
top:5%;
```

```
font-size:22px;
```

```
}
```

```
td
```

```
{
```

```
text-align:center;
```

```
}
```

```
#table1
```

```
{
```

```
border-collapse:collapse;
```

```
border:1px dotted #D0D0D0;
```

```
background: url("images/blackbackground.jpg");
```

```
}
```

```
.data:hover
```

```
{
```

```
background:#808080;
```

```
}
```

```
.content  
  
{  
  
background-color:#0056aa;  
  
position:relative;  
  
left:1px;  
  
top:80px;  
  
}
```

```
.clr  
  
{  
  
height:100px;  
  
clear:both;  
  
padding:0;  
  
margin:0;  
  
width:100%;  
  
font-size:0px;  
  
line-height:0px;  
  
}
```

```
}  
  
@media print  
  
{  
  
#table1  
  
{
```

```
border-collapse:collapse;  
border:1px solid;  
}  
.logout,.username,.heading,.container  
{  
display:none;  
}  
</style>  
<script src="js/jquery-latest.js"></script>  
<script type="text/javascript">  
$( 'document' ).ready( function() {  
var date=new Date();  
var month=$('#monthval').val();  
var decant=$('#tankval').val();  
var year=date.getFullYear();  
$('#year').text(year);  
if(decant!=null)  
$('#tank').val(decant);  
if(month!=null)  
$('#month').val(month);  
$()  
$('.data').attr('title','Double-click');
```

```
});  
  
function change(value,sno)  
{  
    var day=$( 'td:first', $(value).parents('tr')).text();  
    var month=$( '#monthval').val();  
    var date=new Date();  
    var tank=$( '#tankval').val();  
    var year=date.getFullYear();  
    date=(year+'-'+month+'-'+day);  
    var data=prompt("Please enter new data",$(value).text());  
    if(data!=null && data!="null")  
    {  
        $(value).text(data);  
        $.ajax({  
            type:"POST",  
            url:"updatedenreg.php",  
            data:{"todate":date,  
                "serial":sno,"input":data,"tank":tank},  
            success:function(data1){if(data1=="success")  
            {  
                $("form").submit();  
            }  
            }  
        }  
    }  
}
```

```
else
    alert(data1);
},
error:function(){alert("Failed due to certain reasons");}
});
}
}
</script>
</head>
<body>
<div class="main">
<div class="logout"><a
href="welcome.php?logout=true"><input type="image"
src="images/logoutbutton.png"></a></div>
<div class="username" style="position:fixed;"><label>Welcome
<?php echo $_SESSION["username"]; ?></label></div>
<div class="heading"><h1><a href="welcome.php">Petrol Bunk
Management Software<br /></a></h1></div>
<div class="container">
<div class="menu_nav">
<ul class="links">
<li><a href="welcome.php"><span>Home</span></a></li>
<li><a href="denreg.php"><span>Density
Register</span></a></li>
```



```
<li><a href="meter_reading.php"><span>Meter  
reading</span></a></li>
```

```
<li><a href="tank_lorry.php"><span>Tank Lorry  
Slip</span></a></li>
```

```
<li><a href="creditbill.php"><span>Credit Bill  
entry</span></a></li>
```

```
<?php if($_SESSION["username"]=="Admin") echo'<li><a  
href="Admin.php"><span>Admin console</span></a></li>'?>
```

```
</ul>
```

```
</div>
```

```
<div class="menu_nav_back"></div>
```

```
</div>
```

```
<div class="content">
```

```
<form method="post">
```

```
<table>
```

```
<tr>
```

```
<td>Tank:</td><td><select id="tank" name="tank"  
onchange="this.form.submit();"><option  
value="MS16KL">MS16KL</option><option  
value="HSD22KL">HSD22KL</option></select></td>
```

```
<td>Month:</td><td><select id="month" name="month"  
onchange="this.form.submit();">
```

```
<option value="01">Jan</option>
```

```
<option value="02">Feb</option>
```

```
<option value="03">March</option>
```

```

<option value="04">April</option>
<option value="05">May</option>
<option value="06">June</option>
<option value="07">July</option>
<option value="08">August</option>
<option value="09">September</option>
<option value="10">October</option>
<option value="11">November</option>
<option value="12">December</option>
</select></td>
<td>Year:</td><td><label id="year"></td>
</tr>
</table>
</form>
<input type="hidden" id="monthval" value="<?php echo
$month; ?>">
<input type="hidden" id="tankval" value="<?php echo $tank;
?>">
<table border="1" align="center" width="100%" id="table1">
<tr>
<td></td>
<td colspan="3">Morning Density</td>
<td colspan="4">Receipts</td>

```

</tr>

<tr>

<td></td>

<td colspan="2">Observed</td>

<td></td>

<td></td>

<td></td>

<td colspan="2">Observed</td>

</tr>

<tr>

<td>DATE</td>

<td>DENSITY</td>

<td>TEMPERATURE</td>

<td>DENSITY CONVERTED TO 15C</td>

<td>INVOICE NO</td>

<td>QUANTITY</td>

<td>DENSITY</td>

<td>TEMPERATURE</td>

</tr>

<?php

\$con=mysqli_connect('localhost','root','','project');

if(\$result->num_rows==0)

```

{
$num = cal_days_in_month(CAL_GREGORIAN,$month,$year);

for($i=1;$i<=$num;$i++)
{
if($i<10)
$datetemp=$year.'-'. $month.'-'. '0' .$i;
else
$datetemp=$year.'-'. $month.'-'. $i;
mysqli_query($con,"INSERT INTO denreg_$tank(`Date`)
VALUES('$datetemp');") or die("Error");
}
$result=mysqli_query($con,"SELECT * FROM denreg_$tank
WHERE date LIKE '$date';");
}
while($row = mysqli_fetch_array($result))
{
$date = strtotime($row["Date"]);
$datesample=$row["Date"];
$basic_data=mysqli_query($con,"SELECT
Invoice_No,$quantity FROM basic WHERE
Date='$datesample';");
$basicrow=mysqli_fetch_array($basic_data);
echo "<tr><td>";

```

```

echo date("d",$date);
echo '</td><td class=data ondblclick=change(this,1);>';
echo $row['Morning_density'];
echo '</td><td class=data ondblclick=change(this,2);>';
echo $row['Morning_temp'];
echo '</td><td class=15c>';
echo '</td><td class=invoice>';
echo $basicrow['Invoice_No'];
echo '</td><td class=quantity>';
echo $basicrow[$quantity];
echo '</td><td class=data ondblclick=change(this,3);>';
echo $row['Receipt_density'];
echo '</td><td class=data ondblclick=change(this,4);>';
echo $row['Receipt_temperature'];
echo '</td></tr>';
}
mysqli_close($con);
?>
</table>
</div>
<div class="clr"></div>
</div>

```

</html>

Updatedenreg.php

<?php

\$sno=\$_POST['serial'];

\$date=\$_POST['todate'];

\$data=\$_POST['input'];

\$tank=\$_POST['tank'];

if(\$sno=="1")

{

Morning_density";

}

else if(\$sno=="2")

{

Morning_temp";

}

else if(\$sno=="3")

{

Receipt_density";

}

\$field="

\$field="

\$field="

```

else if($sno=="4")
{
                                                    $field="
Receipt_temperature";
}

$con = mysqli_connect('localhost','root','','project') or
die("Error");

mysqli_query($con,"UPDATE denreg_$tank SET $field='$data'
WHERE Date='$date'") or die("Error");

echo "success";

// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
}

mysqli_close($con);

?>

Meter_reading.php

<?php
error_reporting(0);

session_start();

if(!isset($_SESSION["sessionid"]) &&
$_SESSION["sessionid"]!="true")

header('Location: index.php');

```

```
if($_GET['logout']=='true')
{
    session_destroy();
    header('Location: index.php');
}
if($_POST['tank']!=NULL)
{
    $tank=$_POST['tank'];
}
else
{
    $tank="MS16KL";
}

if($_POST['month']!=NULL)

$month=
$_POST['month'];
else

$month=
"01";
$year=date("Y");
$date=$year.'-'. $month.'-'.'__';
```



```
$con=mysqli_connect('localhost','root','','project') or  
die("Error");
```

```
$result=mysqli_query($con,"SELECT * FROM  
meter_reading_$tank WHERE date LIKE '$date';")or  
die("Error");
```

```
mysqli_close($con);
```

```
?>
```

```
<html>
```

```
<head></head>
```

```
<style>
```

```
@media screen
```

```
{
```

```
html
```

```
{
```

```
padding:0;
```

```
margin:0;
```

```
background-color:#0056aa;
```

```
color: #FFFFFF;
```

```
}
```

```
select
```

```
{
```

```
color: #FFFFFF;
```

```
background-color:#3288DC;
```

border-color:#3288DC;

}

a

{

text-decoration:none;

color: #FFFFFF;

}

a:visited

{

color:#FFFFFF;

}

a:hover

{

color:black;

}

.heading

{

text-align:center;

}

.logout

{

position:absolute;

```
right:10%;  
top:1%  
}  
ul  
{  
list-style-type: none;  
}  
ul li  
{  
display: inline;  
padding:6px;  
}  
.menu_nav_back  
{  
position:fixed;  
width:100%;  
height:56px;  
top:80px;  
background-color:white;  
z-index: 1;  
}  
.menu_nav
```

```
{  
  display:inline-block;  
  background-color:#3288DC;  
  border:2px solid;  
  position:fixed;  
  top:80px;  
  left:35%;  
  border-radius:8px;  
  text-align:middle;  
  z-index: 2;  
}
```

```
.logout input[type="image"]
```

```
{  
  width:20%;  
}
```

```
.username
```

```
{  
  position:absolute;  
  left:10%;  
  top:5%;  
  font-size:22px;  
}
```

```
td
{
    align:center;
}
.data:hover
{
    background:#808080;
}
.content
{
    background-color:#0056aa;
    position:relative;
    left:1px;
    top:80px;
}
#table1
{
    border-collapse:collapse;
    border:1px dotted #D0D0D0;
    background: url("images/blackbackground.jpg");
}
.clr
```

```
{  
  height:100px;  
  clear:both;  
  padding:0;  
  margin:0;  
  width:100%;  
  font-size:0px;  
  line-height:0px;  
}
```

```
}
```

```
@media print
```

```
{
```

```
  #table1
```

```
  {
```

```
    border-collapse:collapse;
```

```
    border:1px solid;
```

```
  }
```

```
  .logout,.username,.heading,.container
```

```
  {
```

```
    display:none;
```

```
  }
```

```
}
```

```
</style>
<script src="js/jquery-latest.js"></script>
<script type="text/javascript">
$(document).ready(function(){
var date=new Date();
var month=$('#monthval').val();
var decant=$('#tankval').val();
var year=date.getFullYear();
$('#year').text(year);
if(decant!=null)
$('#tank').val(decant);
if(month!=null)
$('#month').val(month);
});
function change(value,sno)
{
var day=$('#td:first', $(value).parents('tr')).text();
var month=$('#monthval').val();
var date=new Date();
var tank=$('#tankval').val();
var year=date.getFullYear();
date=(year+'-'+month+'-'+day);
```

```
var data=prompt("Please enter new data",$(value).text());
if(data!=null && data!="null")
{
$(value).text(data);
$.ajax({
type:"POST",
url:"updatemeterreg.php",
data:{"todate":date,"serial":sno,"input":data,"tank":tank},
success:function(data1){if(data1=="success")
{
$("form").submit();
}
},
error:function(){alert(2);}
});
}
}
</script>
<body>
<div class="main">
<div class="logout"><a
href="welcome.php?logout=true"><input type="image"
src="images/logoutbutton.png"></a></div>
```



```
<div class="username" style="position:fixed;"><label>Welcome  
<?php echo $_SESSION["username"]; ?></label></div>
```

```
<div class="heading"><h1><a href="welcome.php">Petrol Bunk  
Management Software<br /></a></h1></div>
```

```
<div class="container">
```

```
<div class="menu_nav">
```

```
<ul class="links">
```

```
<li><a href="welcome.php"><span>Home</span></a></li>
```

```
<li><a href="denreg.php"><span>Density  
Register</span></a></li>
```

```
<li><a href="meter_reading.php"><span>Meter  
reading</span></a></li>
```

```
<li><a href="tank_lorry.php"><span>Tank Lorry  
Slip</span></a></li>
```

```
<li><a href="creditbill.php"><span>Credit Bill  
entry</span></a></li>
```

```
<?php if($_SESSION["username"]=="Admin") echo'<li><a  
href="Admin.php"><span>Admin console</span></a></li>'?>
```

```
</ul>
```

```
</div>
```

```
<div class="menu_nav_back"></div>
```

```
</div>
```

```
<div class="content">
```

```
<form method="post">
```

```
<table>
```

```
<tr>
<td>Tank:</td><td><select id="tank" name="tank"
onchange="this.form.submit();">
<option value="MS16KL">MS16KL</option>
<option value="HSD22KL">HSD22KL</option>
</select></td>
<td>Month:</td><td><select id="month" name="month"
onchange="this.form.submit();">
<option value="01">Jan</option>
<option value="02">Feb</option>
<option value="03">March</option>
<option value="04">April</option>
<option value="05">May</option>
<option value="06">June</option>
<option value="07">July</option>
<option value="08">August</option>
<option value="09">September</option>
<option value="10">October</option>
<option value="11">November</option>
<option value="12">December</option>
</select></td>
<td>Year:</td><td><label id="year"></td>
</tr>
```

```
</table>
```

```
</form>
```

```
<input type="hidden" id="monthval" value="<?php echo $month; ?>">
```

```
<input type="hidden" id="tankval" value="<?php echo $tank; ?>">
```

```
<table border="1" id="table1">
```

```
<tr>
```

```
<td rowspan="2">Date</td><td colspan="4" align="center"><?php echo $tank; ?></td><td rowspan="2">Remarks</td>
```

```
</tr>
```

```
<tr>
```

```
<td>PRODUCT PUMP NO I</td>
```

```
<td>PRODUCT PUMP NO II</td>
```

```
<td>PRODUCT PUMP NO III</td>
```

```
<td>PRODUCT PUMP NO IV</td>
```

```
</tr>
```

```
<?php
```

```
$con=mysqli_connect('localhost','root','','project');
```

```
if($result->num_rows==0)
```

```
{
```

```
  $num = cal_days_in_month(CAL_GREGORIAN,$month,$year);
```

```
  for($i=1;$i<=$num;$i++)
```

```
{  
    if($i<10)  
        $datetemp=$year.'-'. $month.'-'. '0' .$i;  
    else  
        $datetemp=$year.'-'. $month.'-'. $i;  
    mysqli_query($con,"INSERT INTO  
meter_reading_$tank(`Date`) VALUES('$datetemp');") or  
die("Error");  
}  
$result=mysqli_query($con,"SELECT * FROM  
meter_reading_$tank WHERE date LIKE '$date';");  
}  
while($row=mysqli_fetch_array($result))  
{  
    $date=strtotime($row['Date']);  
    echo "<tr><td>";  
    echo date("d",$date);  
    echo '</td><td class=data ondblclick=change(this,1);>';  
    echo '</td><td class=data ondblclick=change(this,2);>';  
    echo '</td><td class=data ondblclick=change(this,3);>';  
    echo '</td><td class=data ondblclick=change(this,4);>';  
    echo '</td><td class=data ondblclick=change(this,5);>';  
    echo '</td></tr>';  
}
```



```
{  
  
var $page;           // current page number  
var $n;             // current object number  
var $offsets;       // array of object offsets  
var $buffer;        // buffer holding in-memory PDF  
var $pages;         // array containing pages  
var $state;         // current document state  
var $compress;      // compression flag  
var $k;             // scale factor (number of points in user unit)  
var $DefOrientation; // default orientation  
var $CurOrientation; // current orientation  
var $StdPageSizes;  // standard page sizes  
var $DefPageSize;   // default page size  
var $CurPageSize;  // current page size  
var $PageSizes;     // used for pages with non default sizes or  
orientations  
var $wPt, $hPt;     // dimensions of current page in points  
var $w, $h;         // dimensions of current page in user unit  
var $lMargin;       // left margin  
var $tMargin;       // top margin  
var $rMargin;       // right margin  
var $bMargin;       // page break margin  
var $cMargin;       // cell margin
```

```
var $x, $y;           // current position in user unit
var $lsth;           // height of last printed cell
var $LineWidth;      // line width in user unit
var $fontpath;       // path containing fonts
var $CoreFonts;      // array of core font names
var $fonts;          // array of used fonts
var $FontFiles;      // array of font files
var $diffs;          // array of encoding differences
var $FontFamily;     // current font family
var $FontStyle;      // current font style
var $underline;      // underlining flag
var $CurrentFont;    // current font info
var $FontSizePt;     // current font size in points
var $FontSize;       // current font size in user unit
var $DrawColor;      // commands for drawing color
var $FillColor;      // commands for filling color
var $TextColor;      // commands for text color
var $ColorFlag;      // indicates whether fill and text colors are
different
var $ws;             // word spacing
var $images;         // array of used images
var $PageLinks;      // array of links in pages
var $links;          // array of internal links
```

```
var $AutoPageBreak; // automatic page breaking
var $PageBreakTrigger; // threshold used to trigger page breaks
var $InHeader; // flag set when processing header
var $InFooter; // flag set when processing footer
var $ZoomMode; // zoom display mode
var $LayoutMode; // layout display mode
var $title; // title
var $subject; // subject
var $author; // author
var $keywords; // keywords
var $creator; // creator
var $AliasNbPages; // alias for total number of pages
var $PDFVersion; // PDF version number
```

```
/**
**
```

```
*
*
* Public methods
*
*
```

```
*****
**
```

```
function FPDF($orientation='P', $unit='mm', $size='A4')
{
```



```
checks // Some

>_dochecks(); $this-

Initialization of properties //

>page = 0; $this-

= 2; $this->n

>buffer = ""; $this-

>pages = array(); $this-

>PageSizes = array(); $this-

>state = 0; $this-

>fonts = array(); $this-

>FontFiles = array(); $this-

>diffs = array(); $this-

>images = array(); $this-
```

>links = array();	\$this-
>InHeader = false;	\$this-
>InFooter = false;	\$this-
>lasth = 0;	\$this-
>FontFamily = '';	\$this-
>FontStyle = '';	\$this-
>FontSizePt = 12;	\$this-
>underline = false;	\$this-
>DrawColor = '0 G';	\$this-
>FillColor = '0 g';	\$this-
>TextColor = '0 g';	\$this-
>ColorFlag = false;	\$this-
>ws = 0;	\$this-

```

// Font
path
d('FPDF_FONTPATH'))
if(define
{
$this-
>fontpath = FPDF_FONTPATH;
if(substr
($this->fontpath,-1)!=='/' && substr($this->fontpath,-1)!=='\')
$this-
>fontpath .= '/';
}
elseif(is_
dir(dirname(__FILE__).'/font'))
$this-
>fontpath = dirname(__FILE__).'/font/';
else
$this-
>fontpath = '';
// Core
fonts
$this-
>CoreFonts = array('courier', 'helvetica', 'times', 'symbol',
'zapfdingbats');

```

```

// Scale
factor
    if($unit=
    ='pt')
        $this-
        >k = 1;
    elseif($u
    nit=='mm')
        $this-
        >k = 72/25.4;
    elseif($u
    nit=='cm')
        $this-
        >k = 72/2.54;
    elseif($u
    nit=='in')
        $this-
        >k = 72;
    else
        $this-
        >Error('Incorrect unit: '.$unit);
// Page
sizes
    $this-
    >StdPageSizes = array('a3'=>array(841.89,1190.55),
    'a4'=>array(595.28,841.89), 'a5'=>array(420.94,595.28),

```

```
>array(612,792), 'legal'=>array(612,1008));
```

```
$this->_getpagesize($size);
```

```
>DefPageSize = $size;
```

```
>CurPageSize = $size;
```

```
orientation
```

```
tion = strtolower($orientation);
```

```
tation=='p' || $orientation=='portrait')
```

```
>DefOrientation = 'P';
```

```
>w = $size[0];
```

```
>h = $size[1];
```

```
rientation=='l' || $orientation=='landscape')
```

```
'letter' =
```

```
$size =
```

```
$this-
```

```
$this-
```

```
// Page
```

```
$orienta
```

```
if($orien
```

```
{
```

```
$this-
```

```
$this-
```

```
$this-
```

```
}
```

```
elseif($o
```

```
{
```

```

>DefOrientation = 'L';
>w = $size[1];
>h = $size[0];
}
else
$this-
>Error('Incorrect orientation: '.$orientation);
$this-
>CurOrientation = $this->DefOrientation;
$this-
>wPt = $this->w*$this->k;
$this-
>hPt = $this->h*$this->k;
// Page
margins (1 cm)
$margin
= 28.35/$this->k;
$this-
>SetMargins($margin,$margin);
//
Interior cell margin (1 mm)
$this-
>cMargin = $margin/10;

```

```

width (0.2 mm) // Line
                $this-
>LineWidth = .567/$this->k;
                //
Automatic page break
                $this-
>SetAutoPageBreak(true,2*$margin);
                //
Default display mode
                $this-
>SetDisplayMode('default');
                // Enable
compression
                $this-
>SetCompression(true);
                // Set
default PDF version number
                $this-
>PDFVersion = '1.3';
}

function SetMargins($left, $top, $right=null)
{
                // Set
left, top and right margins

```

```
>lMargin = $left;
```

```
$this-
```

```
>tMargin = $top;
```

```
$this-
```

```
===null)
```

```
if($right
```

```
$left;
```

```
$right =
```

```
>rMargin = $right;
```

```
$this-
```

```
}
```

```
function SetLeftMargin($margin)
```

```
{
```

```
// Set left
```

```
margin
```

```
$this-
```

```
>lMargin = $margin;
```

```
if($this-
```

```
>page>0 && $this->x<$margin)
```

```
$this-
```

```
>x = $margin;
```

```
}
```

```
function SetTopMargin($margin)
```



```
{  
  
// Set top  
margin  
  
$this->tMargin = $margin;  
}
```

```
function SetRightMargin($margin)  
{  
  
// Set  
right margin  
  
$this->rMargin = $margin;  
}
```

```
function SetAutoPageBreak($auto, $margin=0)  
{  
  
// Set  
auto page break mode and triggering margin  
  
$this->AutoPageBreak = $auto;  
  
$this->bMargin = $margin;  
  
$this->PageBreakTrigger = $this->h-$margin;
```

```
}
```

```
function SetDisplayMode($zoom, $layout='default')
```

```
{
```

```
// Set
```

```
display mode in viewer
```

```
if($zoom
```

```
=='fullpage' || $zoom=='fullwidth' || $zoom=='real' ||  
$zoom=='default' || !is_string($zoom))
```

```
$this-
```

```
>ZoomMode = $zoom;
```

```
else
```

```
$this-
```

```
>Error('Incorrect zoom display mode: '.$zoom);
```

```
if($layou
```

```
t=='single' || $layout=='continuous' || $layout=='two' ||  
$layout=='default')
```

```
$this-
```

```
>LayoutMode = $layout;
```

```
else
```

```
$this-
```

```
>Error('Incorrect layout display mode: '.$layout);
```

```
}
```

```
function SetCompression($compress)
```

```

{
// Set
page compression
if(function_exists('gzcompress'))
$this->compress = $compress;
else
$this->compress = false;
}

```

```

function setTitle($title, $isUTF8=false)
{
// Title
of document
if($isUTF8)
$title =
$this->_UTF8toUTF16($title);
$this->title = $title;
}

```

```

function SetSubject($subject, $isUTF8=false)

```

```
{  
  
//  
Subject of document  
  
if($isUTF8)  
  
$subject  
  
= $this->_UTF8toUTF16($subject);  
  
$this->  
subject = $subject;  
}
```

```
function SetAuthor($author, $isUTF8=false)  
  
{  
  
//  
  
Author of document  
  
if($isUTF8)  
  
$author  
  
= $this->_UTF8toUTF16($author);  
  
$this->  
author = $author;  
}
```

```
function SetKeywords($keywords, $isUTF8=false)
```

```
{  
  
//  
Keywords of document  
  
if($isUTF8)  
  
$keywords  
  
ds = $this->_UTF8toUTF16($keywords);  
  
$this->  
keywords = $keywords;  
}
```

```
function SetCreator($creator, $isUTF8=false)
```

```
{  
  
//  
Creator of document  
  
if($isUTF8)  
  
$creator  
  
= $this->_UTF8toUTF16($creator);  
  
$this->  
creator = $creator;  
}
```

```
function AliasNbPages($alias='{nb}')
```

```
{  
  
// Define  
an alias for total number of pages  
  
$this->AliasNbPages = $alias;  
}  
  
function Error($msg)  
{  
  
// Fatal  
error  
  
die('<b>FPDF error:</b> '.$msg);  
}  
  
function Open()  
{  
  
// Begin  
document  
  
$this->state = 1;  
}  
  
function Close()
```

```
{  
  
//  
Terminate document  
  
>state==3)  
  
return;  
if($this-  
  
>page==0)  
  
$this-  
  
>AddPage();  
  
// Page  
  
footer  
  
$this-  
  
>InFooter = true;  
  
$this-  
  
>Footer();  
  
$this-  
  
>InFooter = false;  
  
// Close  
  
page  
  
$this-  
  
>_endpage();  
  
// Close  
  
document  
  
$this-  
  
>_enddoc();
```

```
}
```

```
function AddPage($orientation='', $size='')
```

```
{
```

```
new page
```

```
>state==0)
```

```
>Open();
```

```
= $this->FontFamily;
```

```
$this->FontStyle.($this->underline ? 'U' : '');
```

```
= $this->FontSizePt;
```

```
$this->LineWidth;
```

```
$this->DrawColor;
```

```
$this->FillColor;
```

```
$this->TextColor;
```

```
$this->ColorFlag;
```

```
// Start a
```

```
if($this-
```

```
$this-
```

```
$family
```

```
$style =
```

```
$fontsize
```

```
$lw =
```

```
$dc =
```

```
$fc =
```

```
$tc =
```

```
$cf =
```


>page>0)	if(\$this-
	{
footer	// Page
	\$this-
>InFooter = true;	\$this-
	\$this-
>Footer());	\$this-
	\$this-
>InFooter = false;	// Close
page	\$this-
	\$this-
>_endpage());	}
	// Start
new page	\$this-
	\$this-
>_beginpage(\$orientation,\$size);	// Set
	\$this-
line cap style to square	\$this-
	\$this-
>_out('2 J');	// Set
	\$this-
line width	\$this-

>LineWidth = \$lw;	\$this-
>_out(sprintf('%.2F w',\$lw*\$this->k));	\$this-
font	// Set
y)	if(\$famil
>SetFont(\$family,\$style,\$fontsize);	\$this-
colors	// Set
>DrawColor = \$dc;	\$this-
0 G')	if(\$dc!='
>_out(\$dc);	\$this-
>FillColor = \$fc;	\$this-
0 g')	if(\$fc!='
>_out(\$fc);	\$this-
>TextColor = \$tc;	\$this-

```

>ColorFlag = $cf;
header
>InHeader = true;
>Header();
>InHeader = false;
Restore line width
>LineWidth!=$lw)
>LineWidth = $lw;
>_out(sprintf('%.2F w',$lw*$this->k));
Restore font
y)
>SetFont($family,$style,$fontsize);

```

\$this-

// Page

\$this-

\$this-

\$this-

//

if(\$this-

{

\$this-

\$this-

}

//

if(\$famil

\$this-

```

//
Restore colors
if($this->DrawColor!=$dc)
{
    $this->DrawColor = $dc;
    $this->_out($dc);
}
if($this->FillColor!=$fc)
{
    $this->FillColor = $fc;
    $this->_out($fc);
}
$this->TextColor = $tc;
$this->ColorFlag = $cf;
}

function Header()

```

```
{  
  
// To be  
implemented in your own inherited class  
}
```

```
function Footer()  
  
{  
  
// To be  
implemented in your own inherited class  
}
```

```
function PageNo()  
  
{  
  
// Get  
current page number  
  
return  
$this->page;  
}
```

```
function SetDrawColor($r, $g=null, $b=null)  
  
{  
  
// Set  
color for all stroking operations
```

```

&& $g==0 && $b==0) || $g===null)
>DrawColor = sprintf('%.3F G',$r/255);
>DrawColor = sprintf('%.3F %.3F %.3F
RG',$r/255,$g/255,$b/255);
>page>0)
>_out($this->DrawColor);
}

function SetFillColor($r, $g=null, $b=null)
{
color for all filling operations
&& $g==0 && $b==0) || $g===null)
>FillColor = sprintf('%.3F g',$r/255);
>FillColor = sprintf('%.3F %.3F %.3F rg',$r/255,$g/255,$b/255);

```

```

>ColorFlag = ($this->FillColor!=$this->TextColor);
>page>0)
>_out($this->FillColor);
}

function SetTextColor($r, $g=null, $b=null)
{
color for text
&& $g==0 && $b==0) || $g===null)
>TextColor = sprintf('%.3F g',$r/255);
>TextColor = sprintf('%.3F %.3F %.3F
rg',$r/255,$g/255,$b/255);
>ColorFlag = ($this->FillColor!=$this->TextColor);
}

function GetStringWidth($s)

```

```

{
width of a string in the current font // Get
(string)$s; $s =
&$this->CurrentFont['cw']; $cw =
strlen($s); $w = 0;
$i<$l;$i++) $l =
$cw[$s[$i]]; $w +=
return
$w*$this->FontSize/1000;
}

```

```

function SetLineWidth($width)
{
line width // Set
$this->
LineWidth = $width;
if($this->
page>0)

```



```

else
    $op =
'S';
    $this-
>_out(sprintf('%.2F %.2F %.2F %.2F re %s',$x*$this->k,($this-
>h-$y)*$this->k,$w*$this->k,-$h*$this->k,$op));
}

```

```

function AddFont($family, $style='', $file='')
{
    // Add a
    TrueType, OpenType or Type1 font
    $family
    = strtolower($family);
    if($file=
    ='')
    $file =
    str_replace(' ',',$family).strtolower($style).'php';
    $style =
    strtoupper($style);
    if($style
    =='IB')
    $style =
    'BI';
    $fontkey
    = $family.$style;

```

```
this->fonts[$fontkey]))
```

```
$this->_loadfont($file);
```

```
= count($this->fonts)+1;
```

```
y($info['diff']))
```

```
Search existing encodings
```

```
array_search($info['diff'],$this->diffs);
```

```
= count($this->diffs)+1;
```

```
>diffs[$n] = $info['diff'];
```

```
ffn'] = $n;
```

```
if(isset($
```

```
return;
```

```
$info =
```

```
$info['i']
```

```
if(!empt
```

```
{
```

```
//
```

```
$n =
```

```
if(!$n)
```

```
{
```

```
$n
```

```
$this-
```

```
}
```

```
$info['di
```

```
}
```

```

y($info['file']))
                                if(!empt

                                {

                                //

Embedded font

                                if($info['

type']=='TrueType')

                                $this-

>FontFiles[$info['file']] = array('length1'=>$info['originalsize']);

                                else

                                $this-

>FontFiles[$info['file']] = array('length1'=>$info['size1'],

'length2'=>$info['size2']);

                                }

                                $this-

>fonts[$fontkey] = $info;

}

function SetFont($family, $style='', $size=0)

{

                                // Select

a font; size given in points

```

```
y=='')
= $this->FontFamily;
= strtolower($family);
strtoupper($style);
($style,'U')!==false)
>underline = true;
str_replace('U','',$style);
>underline = false;
=='IB')
'BI';
=0)
```

```
if($famil
$family
else
$family
$style =
if(strpos
{
$this-
$style =
}
else
$this-
if($style
$style =
if($size=
```

```

$size =
$this->FontSizePt;

// Test if
font is already selected

if($this-
>FontFamily==$family && $this->FontStyle==$style && $this-
>FontSizePt==$size)

return;

// Test if
font is already loaded

$fontkey
= $family.$style;

if(!isset(
$this->font[$fontkey]))

{

// Test
if one of the core fonts

if($famil
y=='arial')

$family
= 'helvetica';

if(in_arr
ay($family,$this->CoreFonts))

{

```

```
y=='symbol' || $family=='zapfdingbats')
```

```
";
```

```
= $family.$style;
```

```
$this->font[$fontkey])
```

```
>AddFont($family,$style);
```

```
>Error('Undefined font: '.$family.' '.$style);
```

```
it
```

```
>FontFamily = $family;
```

```
>FontStyle = $style;
```

```
if($famil
```

```
$style =
```

```
$fontkey
```

```
if(!isset(
```

```
$this-
```

```
}
```

```
else
```

```
$this-
```

```
}
```

```
// Select
```

```
$this-
```

```
$this-
```

```

>FontSizePt = $size;
>FontSize = $size/$this->k;
>CurrentFont = &$this->font[$fontkey];
>page>0)
>_out(sprintf('BT /F%d %.2F Tf ET',$this->CurrentFont['i'],$this->FontSizePt));
}

function SetFontSize($size)
{
font size in points
>FontSizePt==$size)
return;
>FontSizePt = $size;
>FontSize = $size/$this->k;
>page>0)

```



```

$this-
>_out(sprintf('BT /F%d %.2F Tf ET',$this-
>CurrentFont['i'],$this->FontSizePt));
}

function AddLink()
{
// Create
a new internal link
$n =
count($this->links)+1;
$this-
>links[$n] = array(0, 0);
return
$n;
}

function SetLink($link, $y=0, $page=-1)
{
// Set
destination of internal link
if($y==-
1)
$y =
$this->y;

```

```

== -1)
}

function Link($x, $y, $w, $h, $link)
{
    // Put a
    link on the page
    $this->
    >PageLinks[$this->page][] = array($x*$this->k, $this->hPt-
    $y*$this->k, $w*$this->k, $h*$this->k, $link);
}

function Text($x, $y, $txt)
{
    //
    Output a string
    $s =
    sprintf('BT %.2F %.2F Td (%s) Tj ET', $x*$this->k, ($this->h-
    $y)*$this->k, $this->_escape($txt));
    if($this->
    >underline && $txt!='')

```



```

if($this->
>y+$h>$this->PageBreakTrigger && !$this->InHeader &&
!$this->InFooter && $this->AcceptPageBreak())
{
//
Automatic page break
$x =
$this->x;
$ws =
$this->ws;
)
if($ws>0
{
$this->
>ws = 0;
$this->
>_out('0 Tw');
}
$this->
>AddPage($this->CurOrientation,$this->CurPageSize);
$this->
>x = $x;

```



```

'S';
                                                                    $op =
                                                                    $s =
sprintf('%.2F %.2F %.2F %.2F re %s ', $this->x*$k, ($this->h-
$this->y)*$k, $w*$k, -$h*$k, $op);
                                                                    }
                                                                    if(is_stri
ng($border))
                                                                    {
                                                                    $x =
                                                                    $y =
                                                                    if(strpos
($border, 'L')!==false)
                                                                    $s
.= sprintf('%.2F %.2F m %.2F %.2F l S ', $x*$k, ($this->h-
$y)*$k, $x*$k, ($this->h-($y+$h))*$k);
                                                                    if(strpos
($border, 'T')!==false)
                                                                    $s
.= sprintf('%.2F %.2F m %.2F %.2F l S ', $x*$k, ($this->h-
$y)*$k, ($x+$w)*$k, ($this->h-$y)*$k);

```

```

                                                                    if(strpos
($border,'R')!==(false)
                                                                    $s
.= sprintf('%0.2F %0.2F m %0.2F %0.2F l S ',($x+$w)*$k,($this->h-
$y)*$k,($x+$w)*$k,($this->h-($y+$h))*$k);

                                                                    if(strpos
($border,'B')!==(false)
                                                                    $s
.= sprintf('%0.2F %0.2F m %0.2F %0.2F l S ', $x*$k,($this->h-
($y+$h))*$k,($x+$w)*$k,($this->h-($y+$h))*$k);

                                                                    }
                                                                    if($txt!=
='')
                                                                    {
                                                                    if($align
=='R')
                                                                    $dx =
$w-$this->cMargin-$this->GetStringWidth($txt);
                                                                    elseif($al
ign=='C')
                                                                    $dx =
($w-$this->GetStringWidth($txt))/2;

```

```

else
$dx =
$this->cMargin;
if($this->ColorFlag)
$s
.= 'q '.$this->TextColor.' ';
$txt2 =
str_replace(' ','\\'),str_replace('(','\\(',str_replace('\\','\\\\',$txt));
$s .=
sprintf('BT %.2F %.2F Td (%s) Tj ET',($this->x+$dx)*$k,($this->h-($this->y+.5*$h+.3*$this->FontSize))*$k,$txt2);
if($this->underline)
$s
.= ' '.$this->_dunderline($this->x+$dx,$this->y+.5*$h+.3*$this->FontSize,$txt);
if($this->ColorFlag)
$s
.= ' Q';
if($link)
$this->Link($this->x+$dx,$this->y+.5*$h-.5*$this->FontSize,$this->GetStringWidth($txt),$this->FontSize,$link);

```



```

}
if($s)
    $this-
>_out($s);
    $this-
>lasth = $h;
if($ln>0)
{
    // Go to
$this-
next line
    $this-
>y += $h;
if($ln==
1)
    $this->x
= $this->lMargin;
}
else
    $this-
>x += $w;
}

```

```

function MultiCell($w, $h, $txt, $border=0, $align='J', $fill=false)

```

```

{
//
Output text with automatic or explicit line breaks
$w =
&$this->CurrentFont['cw'];
if($w==0
)
$w =
$this->w-$this->rMargin-$this->x;
$wmax =
($w-2*$this->cMargin)*1000/$this->FontSize;
$s =
str_replace("\r", "", $txt);
$nb =
strlen($s);
if($nb>0
&& $s[$nb-1]=="\n")
$nb--;
$b = 0;
if($bord
er)
{
if($bord
er==1)
{

```

= 'LTRB';

= 'LRT';

'LR';

(\$border,'L')!==false)

'L';

(\$border,'R')!==false)

'R';

= (strpos(\$border,'T')!==false) ? \$b2.'T' : \$b2;

\$border

\$b

\$b2 =

}

else

{

\$b2 = '';

if(strpos

\$b2 .=

if(strpos

\$b2 .=

\$b

1;

<\$nb)

next character

\$s[\$i];

n")

Explicit line break

>ws>0)

}

}

\$sep = -

\$i = 0;

\$j = 0;

\$l = 0;

\$ns = 0;

\$nl = 1;

while(\$i

{

// Get

\$c =

if(\$c=="

{

//

if(\$this-

```

{
    $this->ws = 0;

    $this->_out('0 Tw');
}

$this->Cell($w,$h,substr($s,$j,$i-$j),$b,2,$align,$fill);

    $i++;

    $sep = -

1;

    $j

= $i;

    $l

= 0;

    $ns = 0;

    $nl++;

    if($bord

er && $nl==2)

```

\$b2;

;

)

\$i;

= \$l;

\$cw[\$c];

max)

Automatic line break

\$b =

continue

}

if(\$c=='

{

\$sep =

\$ls

\$ns++;

}

\$l +=

if(\$l>\$w

{

//

=-1)

)

>ws>0)

>ws = 0;

>_out('0 Tw');

>Cell(\$w,\$h,substr(\$s,\$j,\$i-\$j),\$b,2,\$align,\$fill);

if(\$sep=

{

if(\$i==\$j

\$i++;

if(\$this-

{

\$this-

\$this-

}

\$this-

}

```

else
    {
        if($align
=='J')
        {
            $this-
>ws = ($ns>1) ? ($wmax-$ls)/1000*$this->FontSize/($ns-1) : 0;

            $this-
>_out(sprintf('%.3F Tw',$this->ws*$this->k));
        }

        $this-
>Cell($w,$h,substr($s,$j,$sep-$j),$b,2,$align,$fill);

        $i =
$sep+1;
    }

    $sep = -
1;

```



```

= $i;
= 0;

er && $nl==2)

$b2;

chunk

>ws>0)

>ws = 0;

$j
$l

$ns = 0;

$nl++;

if($bord

$b =

}
else

$i++;

}

// Last

if($this-

{

$this-

```

```

    >_out('0 Tw');
}
if($border && strpos($border,'B')!==false)
    $b .=
        $this->
        >Cell($w,$h,substr($s,$j,$i-$j),$b,2,$align,$fill);
    $this->x
    = $this->lMargin;
}

function Write($h, $txt, $link='')
{
    //
    Output text in flowing mode
    $cw =
    &$this->CurrentFont['cw'];
    $w =
    $this->w-$this->rMargin-$this->x;
    $wmax =
    ($w-2*$this->cMargin)*1000/$this->FontSize;
    $s =
    str_replace("\r",",",$txt);

```

strlen(\$s);

1;

<\$nb)

next character

\$s[\$i];

n')

Explicit line break

>Cell(\$w,\$h,substr(\$s,\$j,\$i-\$j),0,2,',0,\$link);

\$nb =

\$sep = -

\$i = 0;

\$j = 0;

\$l = 0;

\$nl = 1;

while(\$i

{

// Get

\$c =

if(\$c=="

{

//

\$this-

\$i++;

1;

= \$i;

= 0;

1)

= \$this->lMargin;

\$this->w-\$this->rMargin-\$this->x;

(\$w-2*\$this->cMargin)*1000/\$this->FontSize;

;

\$sep = -

\$j

\$l

if(\$nl==

{

\$this->x

\$w =

\$wmax =

}

\$nl++;

continue

}

```

)
if($c=='
$sep =
$l +=
$cw[$c];
if($l>$w
max)
{
//
Automatic line break
if($sep=
=-1)
{
if($this-
>x>$this->lMargin)
{
// Move
to next line

```

>x = \$this->lMargin;

\$this-

>y += \$h;

\$this-

\$this->w-\$this->rMargin-\$this->x;

\$w =

= (\$w-2*\$this->cMargin)*1000/\$this->FontSize;

\$wmax

\$i++;

\$nl++;

continue

;

}

if(\$i==\$j

)

\$i++;

>Cell(\$w,\$h,substr(\$s,\$j,\$i-\$j),0,2,'"0,\$link);

\$this-

}

else

{

>Cell(\$w,\$h,substr(\$s,\$j,\$sep-\$j),0,2,'"0,\$link);

\$this-

\$i =

\$sep+1;

}

1;

\$sep = -

= \$i;

\$j

= 0;

\$l

1)

if(\$nl==

{

= \$this->lMargin;

\$this->x

\$this->w-\$this->rMargin-\$this->x;

\$w =

(\$w-2*\$this->cMargin)*1000/\$this->FontSize;

\$wmax =

}

\$nl++;

}

else

\$i++;

}

// Last

chunk

if(\$i!=\$j)

\$this->

>Cell(\$l/1000*\$this->FontSize,\$h,substr(\$s,\$j),0,0,"0,\$link);

}

function Ln(\$h=null)

{


```

// Line
feed; default value is last cell height

$this->x

= $this->IMargin;

if($h===

null)

$this-

>y += $this->lasth;

else

$this-

>y += $h;
}

function Image($file, $x=null, $y=null, $w=0, $h=0, $type='',
$link='')
{

// Put an
image on the page

if(!isset(
$this->images[$file]))

{

// First
use of this image, get info

if($type=

='')

```

```

{
$pos =
strrpos($file,'.');

if(!$pos)

$this-
>Error('Image file has no extension and no type was specified:
'. $file);

$type =

substr($file,$pos+1);

}

$type =

strtolower($type);

if($type=
= 'jpeg')

$type =

'jpg';

$mtd =

'_parse' . $type;

if(!meth
od_exists($this,$mtd))

```

```
>Error('Unsupported image type: '.$stype);
```

```
$this->$mtd($file);
```

```
= count($this->images)+1;
```

```
>images[$file] = $info;
```

```
$this->images[$file];
```

```
Automatic width and height calculation if needed
```

```
&& $h==0)
```

```
image at 96 dpi
```

```
96;
```

```
96;
```

```
$this-
```

```
$info =
```

```
$info['i']
```

```
$this-
```

```
}
```

```
else
```

```
$info =
```

```
//
```

```
if($w==0
```

```
{
```

```
// Put
```

```
$w = -
```

```
$h = -
```

```

}
if($w<0)
    $w = -
$info['w']*72/$w/$this->k;
if($h<0)
    $h = -
$info['h']*72/$h/$this->k;
if($w==0)
)
    $w =
$h*$info['w']/$info['h'];
if($h==0)
)
    $h =
$w*$info['h']/$info['w'];
//
Flowing mode
if($y===
null)
    {
        if($this-
>y+$h>$this->PageBreakTrigger && !$this->InHeader &&
!$this->InFooter && $this->AcceptPageBreak())
        {

```

```

//
Automatic page break

$х2 =
$this->x;

$this->
>AddPage($this->CurOrientation,$this->CurPageSize);

$this->x
= $х2;

}
$y =
$this->
>y += $h;

}

if($x===
null)

$х =
$this->
>_out(sprintf('q %.2F 0 0 %.2F %.2F %.2F cm /I%d Do
Q',$w*$this->k,$h*$this->k,$x*$this->k,($this->h-($y+$h))*$this->
k,$info['i']));

if($link)

```

```

>Link($x,$y,$w,$h,$link);
}

function GetX()
{

position // Get x

$this->x; return
}

function SetX($x)
{

position // Set x

) if($x>=0

>x = $x; $this-

else

$this-

>x = $this->w+$x;

}

```

```

function GetY()
{
position // Get y
$this->y; return
}

function SetY($y)
{
position and reset x // Set y
= $this->lMargin; $this->x
) if($y>=0
>y = $y; $this-
else
>y = $this->h+$y; $this-
}

function SetXY($x, $y)
{

```

```

// Set x
and y positions
>SetY($y);
>SetX($x);
}

function Output($name="", $dest="")
{
//
Output PDF to some destination
if($this->state<3)
$this->Close();
$dest = strtoupper($dest);
if($dest=="")
{
if($name=="")
{

```


'doc.pdf';

'T';

'F';

dest)

Send to standard output

>_checkoutput();

SAPI!='cli')

\$name =

\$dest =

}

else

\$dest =

}

switch(\$

{

case 'T':

//

\$this-

if(PHP_

{

	// We
send to a browser	
	header('
Content-Type: application/pdf');	
	header('
Content-Disposition: inline; filename="'. \$name. '');	
	header('
Cache-Control: private, max-age=0, must-revalidate');	
	header('
Pragma: public');	
	}
	echo
\$this->buffer;	
	break;
	case
'D':	
	//
Download file	
	\$this-
>_checkout();	

Content-Type: application/x-download');	header('
Content-Disposition: attachment; filename="'. \$name.'');	header('
Cache-Control: private, max-age=0, must-revalidate');	header('
Pragma: public');	header('
\$this->buffer;	echo
	break;
'F':	case
Save to local file	//
= fopen(\$name,'wb');	\$f
	if(!\$f)
>Error('Unable to create output file: ' . \$name);	\$this-

,\$this->buffer,strlen(\$this->buffer));

fwrite(\$f

);

fclose(\$f

'S':

break;

case

//

Return as a string

return

\$this->buffer;

default:

>Error('Incorrect output destination: '.\$dest);

\$this-

}

return

";

}

/*****

```
}
```

```
function _checkoutoutput()
```

```
{
```

```
SAPI!='cli')
```

```
if(PHP_
```

```
{
```

```
if(head
```

```
rs_sent($file,$line))
```

```
$this-
```

```
>Error("Some data has already been output, can't send PDF file  
(output started at $file:$line)");
```

```
}
```

```
if(ob_get
```

```
_length())
```

```
{
```

```
// The
```

```
output buffer is not empty
```

```
if(preg_
```

```
match('/^\(\xEF\xBB\xBF)?\s*$/',ob_get_contents()))
```

```
{
```

```
//
```

```
It contains only a UTF-8 BOM and/or whitespace, let's clean it
```



```

$this->StdPageSizes[$size];
array($a[0]/$this->k, $a[1]/$this->k);
]>$size[1])
array($size[1], $size[0]);
$size;
}

function _beginpage($orientation, $size)
{

>page++;

>pages[$this->page] = '';

```

\$a =

return

}

else

{

if(\$size[0

return

else

return

}

\$this-

\$this-


```
>state = 2;
```

```
= $this->lMargin;
```

```
= $this->tMargin;
```

```
>FontFamily = '';
```

```
page size and orientation
```

```
tation=='')
```

```
tion = $this->DefOrientation;
```

```
tion = strtoupper($orientation[0]);
```

```
='')
```

```
$this->DefPageSize;
```

```
$this->_getpagesize($size);
```

```
$this-
```

```
$this->x
```

```
$this->y
```

```
$this-
```

```
// Check
```

```
if($orien
```

```
$orienta
```

```
else
```

```
$orienta
```

```
if($size=
```

```
$size =
```

```
else
```

```
$size =
```

```

if($orientation!=$this->CurOrientation || $size[0]!=$this->CurPageSize[0]
|| $size[1]!=$this->CurPageSize[1])
{
    // New
    size or orientation

    if($orientation=='P')
    {
        $this->w
        = $size[0];

        $this->h
        = $size[1];

    }
    else
    {
        $this->w
        = $size[1];

        $this->h
        = $size[0];

    }
}

```

```

$this-
>wPt = $this->w*$this->k;
$this-
>hPt = $this->h*$this->k;
$this-
>PageBreakTrigger = $this->h-$this->bMargin;
$this-
>CurOrientation = $orientation;
$this-
>CurPageSize = $size;
}
if($orien
tation!=$this->DefOrientation || $size[0]!=$this->DefPageSize[0] ||
$size[1]!=$this->DefPageSize[1])
$this-
>PageSizes[$this->page] = array($this->wPt, $this->hPt);
}

function _endpage()
{
$this-
>state = 1;
}

function _loadfont($font)

```

```

{
// Load a
font definition file from the font directory
include(
$this->fontpath.$font);
$a =
get_defined_vars();
if(!isset(
$a['name']))
$this-
>Error('Could not include font definition file');
return
$a;
}

function _escape($s)
{
// Escape
special characters in strings
$s =
str_replace('\\', '\\\\', $s);
$s =
str_replace('(', '\\(', $s);
$s =
str_replace(')', '\\)', $s);

```

```

str_replace("\r", "\\r", $s);
$s =
return
$s;
}

function _textstring($s)
{
Format a text string
return
('.$this->_escape($s).');
}

function _UTF8toUTF16($s)
{
Convert UTF-8 to UTF-16BE with BOM
$res =
"\xFE\xFF";
$nb =
strlen($s);
$i = 0;
while($i
<$nb)

```

```

ord($s[$i++]);
224)
3-byte character
ord($s[$i++]);
ord($s[$i++]);
chr((( $c1 & 0x0F) << 4) + (( $c2 & 0x3C) >> 2));
chr((( $c2 & 0x03) << 6) + ( $c3 & 0x3F));
1 >= 192)

```

```

{
    $c1 =
if($c1 >=
{
    //
    $c2 =
    $c3 =
    $res .=
}
elseif($c
{

```

```

//
2-byte character

ord($s[$i++]);
chr(($c1 & 0x1C)>>2);
chr((( $c1 & 0x03)<<6) + ($c2 & 0x3F));
}
else
{
//
Single-byte character

"\0".chr($c1);
}
}
return
$res;
}

```

```

function _dounderline($x, $y, $txt)

```

```

{
//
Underline text
$sup =
$this->CurrentFont['up'];
$ut =
$this->CurrentFont['ut'];
$w =
$this->GetStringWidth($txt)+$this->ws*substr_count($txt,' ');
return
sprintf('%.2F %.2F %.2F %.2F re f',$x*$this->k,($this->h-($y-
$sup/1000*$this->FontSize))*$this->k,$w*$this->k,-
$ut/1000*$this->FontSizePt);
}

```

```

function _parsejpg($file)
{
//
Extract info from a JPEG file
$a =
getimagesize($file);
if(!$a)
$this-
>Error('Missing or incorrect image file: '.$file);
if($a[2]!
=2)

```



```

>Error('Not a JPEG file: '.$file);
$this-
if(!isset(
$a['channels']) || $a['channels']==3)
$colspac
e = 'DeviceRGB';
elseif($a[
'channels']==4)
$colspac
e = 'DeviceCMYK';
else
$colspac
e = 'DeviceGray';
$bpc =
isset($a['bits']) ? $a['bits'] : 8;
$data =
file_get_contents($file);
return
array('w'=>$a[0], 'h'=>$a[1], 'cs'=>$colspace, 'bpc'=>$bpc,
'f'=>'DCTDecode', 'data'=>$data);
}
function _parsepng($file)

```

```

{
                                                                    //
Extract info from a PNG file
                                                                    $f =
fopen($file,'rb');
                                                                    if(!$f)
                                                                    $this->
>Error('Can\'t open image file: '.$file);
                                                                    $info =
$this->_parsepngstream($f,$file);
                                                                    fclose($f)
);
                                                                    return
$info;
}

function _parsepngstream($f, $file)
{
                                                                    // Check
signature
                                                                    if($this->
>_readstream($f,8)!=chr(137).'PNG'.chr(13).chr(10).chr(26).chr(
10))
                                                                    $this->
>Error('Not a PNG file: '.$file);

```

```

header chunk
>_readstream($f,4);
>_readstream($f,4)!='IHDR')
>Error('Incorrect PNG file: '.$file);

$this->_readint($f);
$this->_readint($f);
ord($this->_readstream($f,1));
8)
>Error('16-bit depth not supported: '.$file);
ord($this->_readstream($f,1));
|| $ct==4)

e = 'DeviceGray';
==2 || $ct==6)

```

```

// Read
$this-
if($this-
$this-
$w =
$h =
$bpc =
if($bpc>
$this-
$ct =
if($ct==0
$colspac
elseif($ct

```

e = 'DeviceRGB';

==3)

e = 'Indexed';

>Error('Unknown color type: '.\$file);

his->_readstream(\$f,1)!=0)

>Error('Unknown compression method: '.\$file);

his->_readstream(\$f,1)!=0)

>Error('Unknown filter method: '.\$file);

his->_readstream(\$f,1)!=0)

>Error('Interlacing not supported: '.\$file);

>_readstream(\$f,4);

\$colspac

elseif(\$ct

\$colspac

else

\$this-

if(ord(\$t

\$this-

if(ord(\$t

\$this-

if(ord(\$t

\$this-

\$this-

```

                                                                    $dp =
'/Predictor 15 /Colors ' . ($colspace == 'DeviceRGB' ? 3 : 1) . '
/BitsPerComponent '.$bpc.' /Columns '.$w;

                                                                    // Scan
chunks looking for palette, transparency and image data

                                                                    $pal = "";
                                                                    $trns =
";
                                                                    $data =
";

                                                                    do
                                                                    {
                                                                    $n =

$this->_readint($f);

                                                                    $type =

$this->_readstream($f,4);

                                                                    if($type=

='PLTE')

                                                                    {

                                                                    //

Read palette

                                                                    $pal =

$this->_readstream($f,$n);

```

>_readstream(\$f,4);

\$this-

}

pe=='tRNS')

elseif(\$ty

{

//

Read transparency info

\$t

= \$this->_readstream(\$f,\$n);

if(\$ct==0

)

\$trns =

array(ord(substr(\$t,1,1)));

elseif(\$ct

==2)

\$trns =

array(ord(substr(\$t,1,1)), ord(substr(\$t,3,1)), ord(substr(\$t,5,1)));

else

{

```
strpos($t,chr(0));
```

```
=false)
```

```
array($pos);
```

```
>_readstream($f,4);
```

```
pe=='IDAT')
```

```
Read image data block
```

```
$this->_readstream($f,$n);
```

```
>_readstream($f,4);
```

```
$pos =
```

```
if($pos!=
```

```
$trns =
```

```
}
```

```
$this-
```

```
}
```

```
elseif($ty
```

```
{
```

```
//
```

```
$data .=
```

```
$this-
```

```
}
```

pe=='IEND')

>_readstream(\$f,\$n+4);

);

ace=='Indexed' && empty(\$pal))

>Error('Missing palette in '.\$file);

**array('w'=>\$w, 'h'=>\$h, 'cs'=>\$colspace, 'bpc'=>\$bpc,
'f'=>'FlateDecode', 'dp'=>\$dp, 'pal'=>\$pal, 'trns'=>\$trns);**

)

Extract alpha channel

elseif(\$ty

break;

else

\$this-

}

while(\$n

if(\$colsp

\$this-

\$info =

if(\$ct>=4

{

//

`on_exists('gzuncompress'))`

`>Error('Zlib not available, can\'t handle alpha channel: '.$file);`

`gzuncompress($data);`

`= '';`

`= '';`

`)`

`Gray image`

`2*$w;`

`$i<$h;$i++)`

`if(!functi`

`$this-`

`$data =`

`$color`

`$alpha`

`if($ct==4`

`{`

`//`

`$len =`

`for($i=0;`

`{`

(1+\$len)*\$i;

\$data[\$pos];

.= \$data[\$pos];

substr(\$data,\$pos+1,\$len);

preg_replace('/(.)/s','\$1',\$line);

.= preg_replace('/(.)/s','\$1',\$line);

RGB image

4*\$w;

\$pos =

\$color .=

\$alpha

\$line =

\$color .=

\$alpha

}

}

else

{

//

\$len =

`$i<$h;$i++)`

`(1+$len)*$i;`

`$data[$pos];`

`.= $data[$pos];`

`substr($data,$pos+1,$len);`

`preg_replace('/(.{3})/s','$1',$line);`

`.= preg_replace('/.{3}(.)s','$1',$line);`

`ata);`

`for($i=0;`

`{`

`$pos =`

`$color .=`

`$alpha`

`$line =`

`$color .=`

`$alpha`

`}`

`}`

`unset($d`

```
gzcompress($color);
```

```
mask'] = gzcompress($alpha);
```

```
>PDFVersion<'1.4')
```

```
>PDFVersion = '1.4';
```

```
ta'] = $data;
```

```
$info;
```

```
}
```

```
function _readstream($f, $n)
```

```
{
```

```
bytes from stream
```

```
>0 && !feof($f))
```

```
$data =
```

```
$info['s
```

```
if($this-
```

```
$this-
```

```
}
```

```
$info['da
```

```
return
```

```
// Read n
```

```
$res = '';
```

```
while($n
```

```
{
```

```

fread($f,$n);
else)
>Error('Error while reading stream');
strlen($s);
$s;
>Error('Unexpected end of stream');
$res;
}
function _readint($f)
{
4-byte integer from stream
unpack('Ni',$this->_readstream($f,4));

```

```

$s =
if($s===f
$this-
$n -=
$res .=
}
if($n>0)
$this-
return
// Read a
$a =

```

```

return
$a['i'];
}

function _parsegif($file)
{
    //
    Extract info from a GIF file (via PNG conversion)
    if(!function_exists('imagepng'))
        $this->
>Error('GD extension is required for GIF support');
    if(!function_exists('imagecreatefromgif'))
        $this->
>Error('GD has no GIF read support');
    $im =
imagecreatefromgif($file);
    if(!$im)
        $this->
>Error('Missing or incorrect image file: '.$file);
    imageint
erlace($im,0);
    $f =
    @fopen('php://temp','rb+');
    if($f)

```

```

{
//
Perform conversion in memory
ob_start
);
imagepn
$data =
ob_get_clean();
imagede
stroy($im);
fwrite($f
,$data);
rewind($
f);
$info =
$this->_parsepngstream($f,$file);
fclose($f
);
}
else

```

	{
	// Use
temporary file	
	\$tmp =
tempnam('.', 'gif');	
	if(!\$tmp)
	\$this-
>Error('Unable to create a temporary file');	
	if(!image
png(\$im,\$tmp))	
	\$this-
>Error('Error while saving to temporary file');	
	imagede
stroy(\$im);	
	\$info =
\$this->_parsepng(\$tmp);	
	unlink(\$
tmp);	
	}
	return
\$info;	


```
}
```

```
function _newobj()
```

```
{
```

```
a new object
```

```
// Begin
```

```
$this-
```

```
>n++;
```

```
$this-
```

```
>offsets[$this->n] = strlen($this->buffer);
```

```
$this-
```

```
>_out($this->n.' 0 obj');
```

```
}
```

```
function _putstream($s)
```

```
{
```

```
$this-
```

```
>_out('stream');
```

```
$this-
```

```
>_out($s);
```

```
$this-
```

```
>_out('endstream');
```

```
}
```

```
function _out($s)
```

```

{
// Add a
line to the document
if($this-
>state==2)
$this-
>pages[$this->page] .= $s."\n";
else
$this-
>buffer .= $s."\n";
}

function _putpages()
{
$nb =
if(!empt
y($this->AliasNbPages))
{
//
Replace number of pages
for($n=1
;$n<=$nb;$n++)
$this-

```

```

>pages[$n] = str_replace($this->AliasNbPages,$nb,$this-
>pages[$n]);
}
if($this-
>DefOrientation=='P')
{
    $wPt =
    $this->DefPageSize[0]*$this->k;
    $hPt =
    $this->DefPageSize[1]*$this->k;
}
else
{
    $wPt =
    $this->DefPageSize[1]*$this->k;
    $hPt =
    $this->DefPageSize[0]*$this->k;
}
$filter =
($this->compress) ? '/Filter /FlateDecode ' : '';
for($n=1
;$n<=$nb;$n++)
{
    // Page

```

```

>_newobj();
>_out('<</Type /Page');
>_out('/Parent 1 0 R');

if(isset($
this->PageSizes[$n]))

$this->
>_out(sprintf('/MediaBox [0 0 %.2F %.2F]', $this->
>PageSizes[$n][0], $this->PageSizes[$n][1]));

$this->
>_out('/Resources 2 0 R');

if(isset($
this->PageLinks[$n]))
{
//
Links
}

$this->PageLinks[$n] as $pl)
= '/Annots [';

foreach(

```



```
.= sprintf('/Dest [%d 0 R /XYZ 0 %.2F null]>>',1+2*$l[0],$h-$l[1]*$this->k);
```

```
}
```

```
}
```

```
$this-
```

```
>_out($annots.'];
```

```
}
```

```
if($this-
```

```
>PDFVersion>'1.3')
```

```
$this-
```

```
>_out('/Group <</Type /Group /S /Transparency /CS /DeviceRGB>>');
```

```
$this-
```

```
>_out('/Contents ' .($this->n+1) . ' 0 R>>');
```

```
$this-
```

```
>_out('endobj');
```

```
// Page
```

```
content
```

```
$p =
```

```
($this->compress) ? gzcompress($this->pages[$n]) : $this->pages[$n];
```

```
$this-
```

```
>_newobj());
```

```

>_out('<<'.$filter.'/Length '.strlen($p).'>>');
}
}
// Pages

root

>offsets[1] = strlen($this->buffer);

>_out('1 0 obj');

>_out('<</Type /Pages');

$kids =

'/Kids [';

for($i=0;

$i<$nb;$i++)

$kids .=

(3+2*$i).' 0 R ';

>_out($kids.']);

>_out('/Count '.$nb);

```



```

$this->FontFiles as $file=>$info)
foreach(
{
// Font
$this-
>_newobj();
$this-
>FontFiles[$file]['n'] = $this->n;
$font =
file_get_contents($this->fontpath.$file,true);
if(!$font)
$this-
>Error('Font file not found: '.$file);
$compre
ssed = (substr($file,-2)=='z');
if(!$com
pressed && isset($info['length2']))
$font =
substr($font,6,$info['length1']).substr($font,6+$info['length1']+6,
$info['length2']);

```



```

objects
>fonts[$k]['n'] = $this->n+1;
$font['type'];
= $font['name'];
= 'Core')
Core font
>_newobj();
>_out('<</Type /Font');
>_out('/BaseFont /'.$name);
>_out('/Subtype /Type1');
// Font
$this-
$type =
$name
if($type=
{
//
$this-
$this-
$this-

```

!= 'Symbol' && \$name != 'ZapfDingbats')	if(\$name
	\$this-
>_out('/Encoding /WinAnsiEncoding');	
	\$this-
>_out('>>');	
	\$this-
>_out('endobj');	}
	elseif(\$ty
pe == 'Type1' \$type == 'TrueType')	{
	//
Additional Type1 or TrueType/OpenType font	
	\$this-
>_newobj();	
	\$this-
>_out('<</Type /Font');	
	\$this-
>_out('/BaseFont /' . \$name);	

```
>_out('/Subtype /'. $type);
```

\$this-

```
>_out('/FirstChar 32 /LastChar 255');
```

\$this-

```
>_out('/Widths ' . ($this->n+1) . ' 0 R');
```

\$this-

```
>_out('/FontDescriptor ' . ($this->n+2) . ' 0 R');
```

\$this-

```
font['diffn']))
```

if(isset(\$

```
>_out('/Encoding ' . ($nf+$font['diffn']) . ' 0 R');
```

\$this-

else

```
>_out('/Encoding /WinAnsiEncoding');
```

\$this-

```
>_out('>>');
```

\$this-

```
>_out('endobj');
```

```
$this-
```

```
//
```

```
Widths
```

```
>_newobj();
```

```
$this-
```

```
&$font['cw'];
```

```
$cw =
```

```
='[';
```

```
$s
```

```
2;$i<=255;$i++)
```

```
for($i=3
```

```
$cw[chr($i)].' ';
```

```
$s .=
```

```
>_out($s.'];
```

```
$this-
```

```
>_out('endobj');
```

```
$this-
```

```
//
```

```
Descriptor
```

```
>_newobj();
```

```
= '<</Type /FontDescriptor /FontName /'$.name;
```

```
$font['desc'] as $k=>$v)
```

```
/'$.k.' '$.v;
```

```
y($font['file']))
```

```
/FontFile'.($type=='Type1' ? '' : '2').' '$.this-  
>FontFiles[$font['file']][n].' 0 R';
```

```
>_out($s.'>>');
```

```
>_out('endobj');
```

```
$this-
```

```
$s
```

```
foreach(
```

```
$s .='
```

```
if(!empt
```

```
$s .='
```

```
$this-
```

```
$this-
```

```
}
```

```
else
```

```
{
```

```

//
Allow for additional types

'_put'.strtolower($type);
od_exists($this,$mtd))
>Error('Unsupported font type: '.$type);
>$mtd($font);
}
}
}

function _putimages()
{
array_keys($this->images) as $file)
foreach(
{
$this-
>_putimage($this->images[$file]);

```



```
his->images[$file]['data'];
```

```
unset($t
```

```
his->images[$file]['smask'];
```

```
unset($t
```

```
}
```

```
}
```

```
function _putimage(&$info)
```

```
{
```

```
>_newobj();
```

```
$this-
```

```
] = $this->n;
```

```
$info['n'
```

```
>_out('<</Type /XObject');
```

```
$this-
```

```
>_out('/Subtype /Image');
```

```
$this-
```

```
>_out('/Width '.$info['w']);
```

```
$this-
```

```
>_out('/Height '.$info['h']);
```

```
$this-
```

```
cs'] == 'Indexed')
```

```
if($info['
```

```

                                $this-
>_out('/ColorSpace [/Indexed /DeviceRGB '.(strlen($info['pal'])/3-
1).' '.(($this->n+1).' 0 R)];
                                else
                                {
                                $this-
>_out('/ColorSpace /' . $info['cs']);
                                if($info['
cs']=='DeviceCMYK')
                                $this-
>_out('/Decode [1 0 1 0 1 0 1 0]);
                                }
                                $this-
>_out('/BitsPerComponent ' . $info['bpc']);
                                if(isset($
info['f']))
                                $this-
>_out('/Filter /' . $info['f']);
                                if(isset($
info['dp']))
                                $this-
>_out('/DecodeParms <<' . $info['dp'] . '>>');
                                if(isset($
info['trns']) && is_array($info['trns']))

```

```

";
$trns =
for($i=0;
$i<count($info['trns']);$i++)
$info['trns'][$i].' '.$info['trns'][$i].' ';
$this->
_out('/Mask ['.$trns.']);
}
if(isset($
info['smask']))
$this->
_out('/SMask ' .($this->n+1).' 0 R');
$this->
_out('/Length '.strlen($info['data']).'>>');
$this->
_putstream($info['data']);
$this->
_out('endobj');
// Soft
mask
if(isset($
info['smask']))

```

```

{
    $dp =
'/Predictor 15 /Colors 1 /BitsPerComponent 8 /Columns
'.$info['w'];

    $smask
= array('w'=>$info['w'], 'h'=>$info['h'], 'cs'=>'DeviceGray',
'bpc'=>8, 'f'=>$info['f'], 'dp'=>$dp, 'data'=>$info['smask']);

    $this-
>_putimage($smask);

}

// Palette
if($info['
cs']=='Indexed')

{
    $filter =
($this->compress) ? '/Filter /FlateDecode ' : '';

    $pal =
($this->compress) ? gzcompress($info['pal']) : $info['pal'];

    $this-
>_newobj();

    $this-
>_out('<<'.$filter.'/Length '.strlen($pal).'>>');

    $this-
>_putstream($pal);

    $this-
>_out('endobj');

```

```

}
}

function _putxobjectdict()
{
    foreach(
    $this->images as $image)
        $this-
        >_out('/T.$image['i']. ' '.$image['n']. ' 0 R');
}

function _putresourcedict()
{
    $this-
    >_out('/ProcSet [/PDF /Text /ImageB /ImageC /ImageI]');
    $this-
    >_out('/Font <<');
    foreach(
    $this->fonts as $font)
        $this-
        >_out('/F'.$font['i']. ' '.$font['n']. ' 0 R');
    $this-
    >_out('>>');
    $this-
    >_out('/XObject <<');
}
}

```

```

>_putobjectdict();
$this-

>_out('>>');
$this-
}

function _putresources()
{
$this-

>_putfonts();
$this-

>_putimages();
//

Resource dictionary
$this-

>offsets[2] = strlen($this->buffer);
$this-

>_out('2 0 obj');
$this-

>_out('<<');
$this-

>_putresourcedict();
$this-

>_out('>>');
$this-

>_out('endobj');

```

```
}
```

```
function _putinfo()
```

```
{
```

```
>_out('/Producer '.$this->_textstring('FPDF  
' .FPDF_VERSION));
```

```
y($this->title)
```

```
>_out('/Title '.$this->_textstring($this->title));
```

```
y($this->subject)
```

```
>_out('/Subject '.$this->_textstring($this->subject));
```

```
y($this->author)
```

```
>_out('/Author '.$this->_textstring($this->author));
```

```
y($this->keywords)
```

```
>_out('/Keywords '.$this->_textstring($this->keywords));
```

```
y($this->creator)
```

```

                                                                    $this-
>_out('/Creator '.$this->_textstring($this->creator));

                                                                    $this-
>_out('/CreationDate '.$this->_textstring('D:'.@date('YmdHis')));
}

function _putcatalog()
{
                                                                    $this-
>_out('/Type /Catalog');

                                                                    $this-
>_out('/Pages 1 0 R');

                                                                    if($this-
>ZoomMode=='fullpage')

                                                                    $this-
>_out('/OpenAction [3 0 R /Fit]');

                                                                    elseif($t
his->ZoomMode=='fullwidth')

                                                                    $this-
>_out('/OpenAction [3 0 R /FitH null]');

                                                                    elseif($t
his->ZoomMode=='real')

                                                                    $this-
>_out('/OpenAction [3 0 R /XYZ null null 1]');

                                                                    elseif(!is
_string($this->ZoomMode))

```



```

                                $this-
>_out('/OpenAction [3 0 R /XYZ null null '.sprintf('%.2F',$this-
>ZoomMode/100).']');
```

```

                                if($this-
>LayoutMode=='single')
```

```

                                $this-
>_out('/PageLayout /SinglePage');
```

```

                                elseif($t
his->LayoutMode=='continuous')
```

```

                                $this-
>_out('/PageLayout /OneColumn');
```

```

                                elseif($t
his->LayoutMode=='two')
```

```

                                $this-
>_out('/PageLayout /TwoColumnLeft');
```

```

}
```

```
function _putheader()
```

```
{
```

```

                                $this-
>_out('%PDF-'. $this->PDFVersion);
```

```
}
```

```
function _puttrailer()
```

```
{
```

```

>_out('/Size ' .($this->n+1));
$this-

>_out('/Root ' . $this->n . ' 0 R');
$this-

>_out('/Info ' . ($this->n-1) . ' 0 R');
$this-
}

function _enddoc()
{
$this-

>_putheader();
$this-

>_putpages();
$this-

>_putresources();
$this-

// Info
$this-

>_newobj();
$this-

>_out('<<');
$this-

>_putinfo();
$this-

>_out('>>');
$this-

```

```

>_out('endobj');
$this-

Catalog
$this-

>_newobj();
$this-

>_out('<<');
$this-

>_putcatalog();
$this-

>_out('>>');
$this-

>_out('endobj');
$this-

ref
$o =

strlen($this->buffer);
$this-

>_out('xref');
$this-

>_out('0 ' . ($this->n+1));
$this-

>_out('0000000000 65535 f ');
$this-

for($i=1;
$i<=$this->n;$i++)

```

```

                                $this-
>_out(sprintf('%010d 00000 n ', $this->offsets[$i]));

                                // Trailer
                                $this-
>_out('trailer');

                                $this-
>_out('<<');

                                $this-
>_puttrailer();

                                $this-
>_out('>>');

                                $this-
>_out('startxref');

                                $this-
>_out($o);

                                $this-
>_out('%%EOF');

                                $this-

>state = 3;
}
// End of class
}

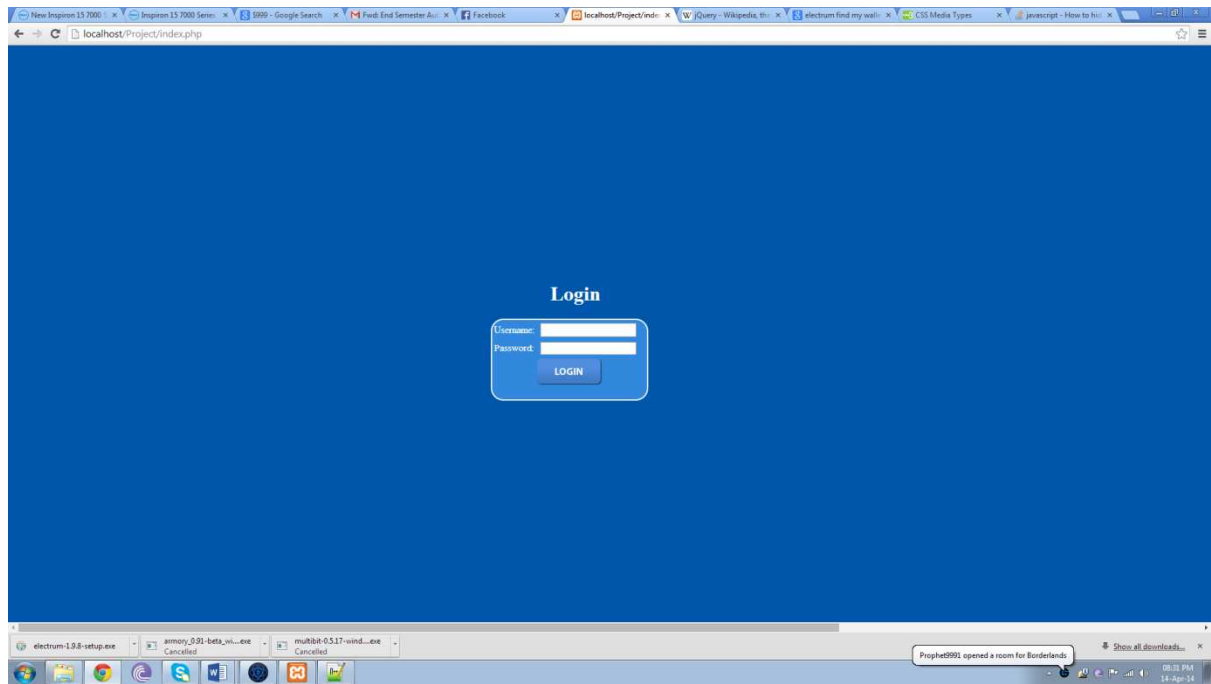
// Handle special IE contype request
if(isset($_SERVER['HTTP_USER_AGENT']) &&
$_SERVER['HTTP_USER_AGENT']=='contype')

```

```
{  
  
Content-Type: application/pdf);  
  
header('exit;  
  
}  
  
?>
```

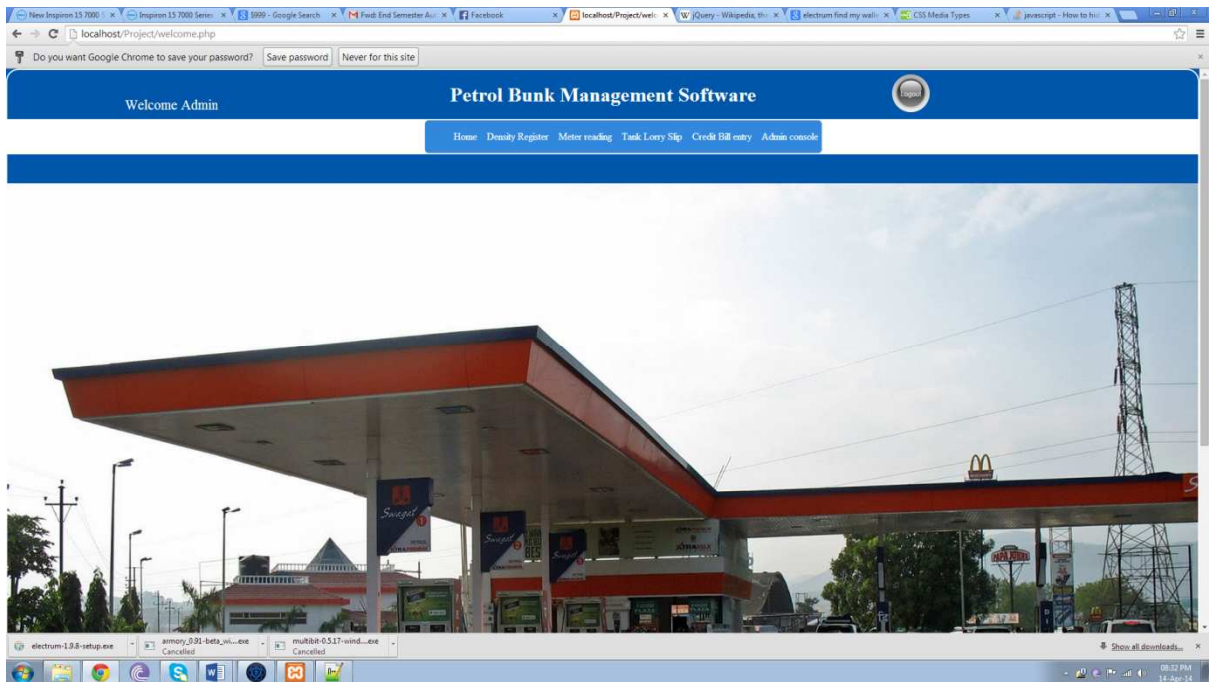
A.2 SCREEN SHOTS

Index/Login

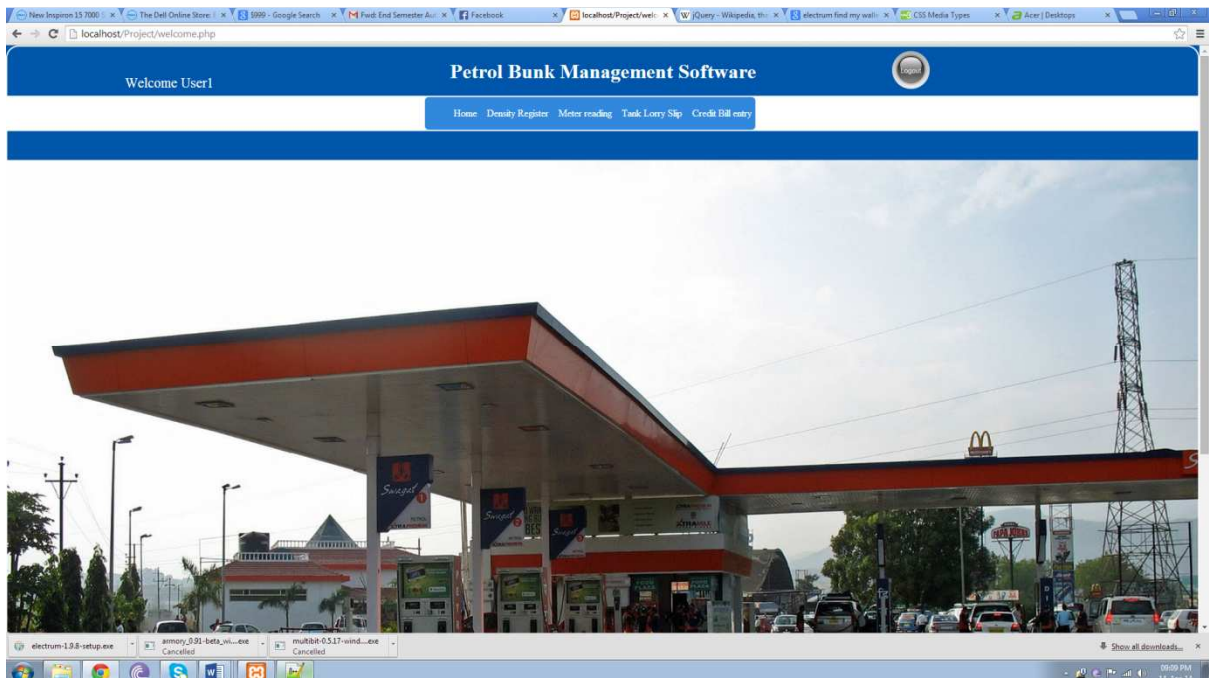


Welcome screen

Admin Login



User login



Density Register

localhost/project/denreg.php

Petrol Bunk Management Software

Welcome Admin

Home Density Register Meter reading Tank Lorry Slip Credit Bill entry Admin console

Tank: MS1001 Month: Jan Year: 2014

DATE	Observed			INVOICE NO	QUANTITY	Observed	
	DENSITY	TEMPERATURE	DENSITY CONVERTED TO 15C			DENSITY	TEMPERATURE
01	23	23					
02	89	63					
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							

08:33 PM 14 Apr 14

Meter reading

The screenshot displays the 'Petrol Bunk Management Software' interface. At the top, there is a navigation bar with the text 'Welcome Admin' and a 'Report' button. Below this is a menu with options: 'Home', 'Density Register', 'Meter reading', 'Tank/Lorry Slip', 'Credit/Bill entry', and 'Admin console'. The 'Meter reading' option is currently selected. The main content area shows a table for 'Tank: MS16KL' and 'Month: Jan' for the 'Year: 2014'. The table has five columns: 'Date', 'PRODUCT PUMP NO I', 'PRODUCT PUMP NO II', 'PRODUCT PUMP NO III', and 'PRODUCT PUMP NO IV', with a 'Remarks' column on the right. The rows are numbered from 01 to 30. The table is currently empty. The browser's address bar shows 'localhost/project/meter_reading.php'. The Windows taskbar at the bottom shows several open applications, including 'electron-1.8.8-setup.exe', 'armory_0.91-beta_wi..._exe', and 'mukhib-0.5.17-win..._exe'. The system clock indicates the time is 08:34 PM on 14-Apr-14.

Date	PRODUCT PUMP NO I	PRODUCT PUMP NO II	PRODUCT PUMP NO III	PRODUCT PUMP NO IV	Remarks
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Credit bill party

The screenshot displays the 'Petrol Bunk Management Software' interface. At the top, there is a navigation bar with the text 'Welcome Admin' and a 'Logout' button. Below this is a menu bar with options: 'Home', 'Density Register', 'Meter reading', 'Tank Lorry Slip', 'Credit Bill entry', and 'Admin console'. The main content area contains a form for entering credit bill details. The form includes fields for 'Order no.', 'Vehicle No.', and 'Name of the account' (with a dropdown menu currently showing 'Ayam Exports'). Below these fields is a table with columns for 'Rate', 'Particulars', 'Qty', and 'Amount'. The 'Rate' and 'Amount' columns are further divided into 'Rs' and 'P' sub-columns. A 'Submit' button is located at the bottom left of the form area. The browser's address bar shows the URL '10.1.75.253/Project/creditbill.php'. The Windows taskbar at the bottom indicates the time is 17:52 on 21-04-2014.

Order no:

Vehicle No:

Name of the account:

Rate		Particulars	Qty	Amount	
Rs	P			Rs	P

Tanker Lorry slip

The screenshot shows a web browser window displaying the 'Petrol Bunk Management Software' interface. The page has a blue header with the title and a 'Logout' button. Below the header is a navigation menu with links: Home, Density Register, Meter reading, Tank Lorry Slip, Credit Bill entry, and Admin console. The main content area is a form for entering tanker lorry slip details. The form fields are as follows:

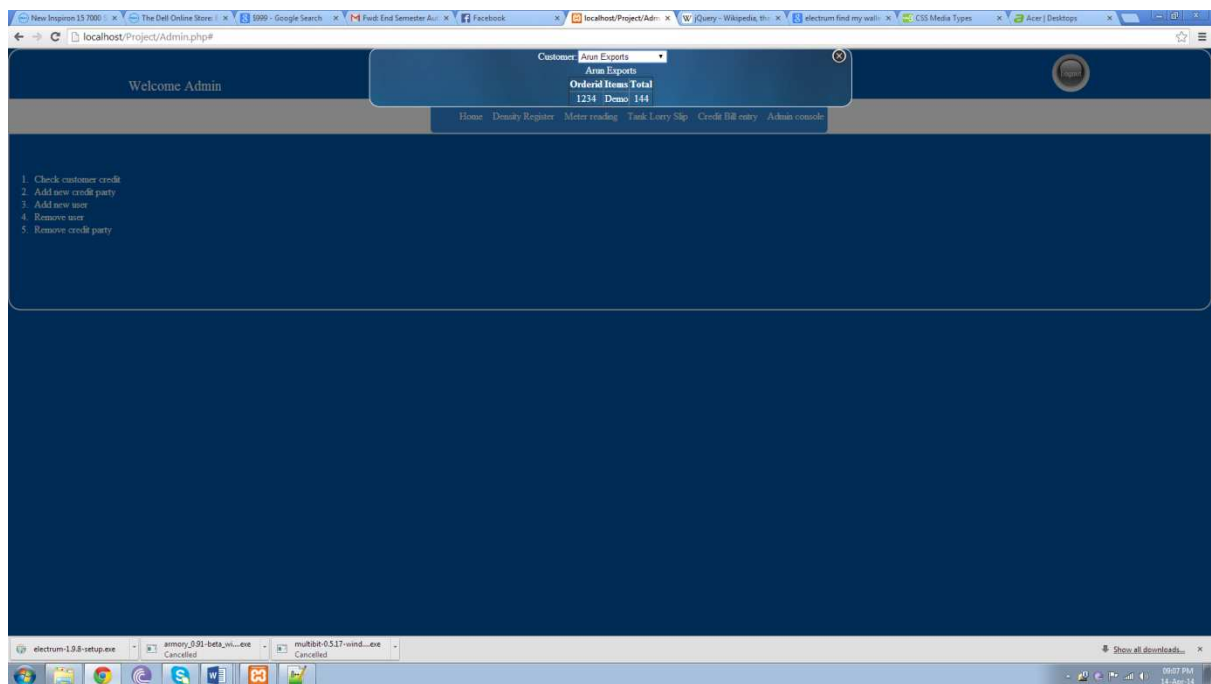
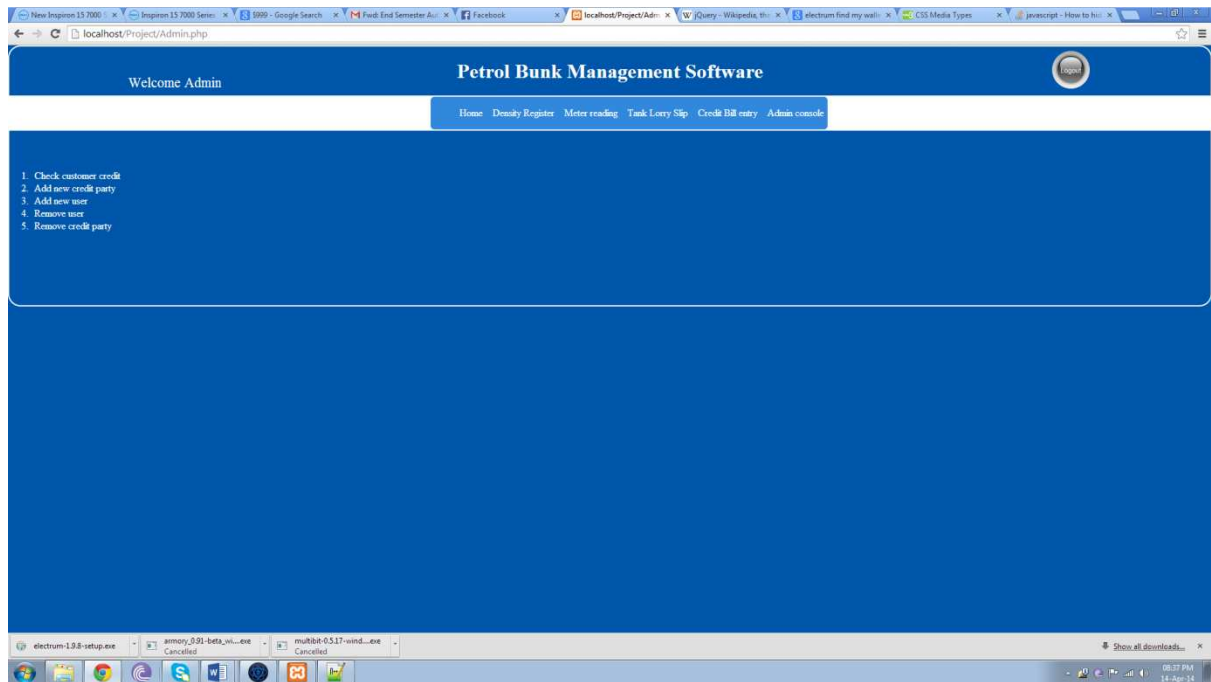
- Supply Location: IRUGUR INSTALLATION
- Product type: MS, HSD
- Tank LORRY No: [text input]
- Invoice No: [text input]
- DATE: 14-Apr-2014
- HRS: 08:34 PM
- SAMPLES DRAWN ON: 14-Apr-2014
- Density at 15° C a) as recorded in the Challan: [text input]
- b) Of Sample Collected from the lorry: [text input]
- RETAIL OUTLET TANK NO OF PRODUCT DECANTED: MS16KL, HSD22KL
- PLASTIC SEAL NOS OF ALUMINIUM CONTAINERS: [text input]
- PLASTIC SEAL NOS OF WOODEN CONTAINERS: [text input]
- Name of the dealer: [text input]
- Name of the lorry driver: [text input]
- Transporter Name: [text input]
- Submit button

PDF

The screenshot shows a PDF document titled 'TANK LORRY RETENTION SAMPLE DRAWN AT RETAIL OUTLETS'. The document is a form for recording tanker lorry retention sample details. The form is filled with the following information:

- HP logo
- TITLE: TANK LORRY RETENTION SAMPLE DRAWN AT RETAIL OUTLETS
- SUPPLY LOCATION: IRUGUR INSTALLATION
- REGION: COIMBATORE RETAIL
- NAME & ADDRESS OF THE RETAIL OUTLET: [text input]
- ADDRESS: [text input]
- NAME OF THE OIL COMPANY: HINDUSTAN PETROLEUM CORPORATION LIMITED
- PRODUCT MS/HSD: MS
- SOURCE OF SAMPLE: TANK TRUCK
- TANK LORRY No: vsfa
- INVOICE NO: asf
- Di: 2014-03-10
- SAMPLES DRAWN ON: 2014-03-10 at Δ HRS: 15:58
- DENSITY AT 15° C a) as recorded in the Challan: asfd
- b) of sample Collected from the lorry: vsad
- RETAIL OUTLET OF TANK NO. OF PRODUCT DECANTED: MS16KL
- PLASTIC SEAL NOS. OF ALUMINIUM CONTAINER: sdas
- PLASTIC SEAL NOS. OF WOODEN BOX: sdas
- Signature of Dealer/Dealer's Representative: [text input]
- Name of Dealer/Dealer's Representative: vsad
- Signature of Lorry Driver: [text input]
- Name of Lorry Driver: vsad
- Transporter Name: vsad

Admin console



REFERENCES

- 1. W3 Schools-Online Tutorials, <http://www.w3schools.com/>**
- 2. Density register calculator**