CORPORATE INFORMATION SYSTEM

FOR

IES TECHNOLOGIES (INDIA) P LTD, CHENNAI.

PROJECT REPORT P-1221

Submitted in partial fulfillment of the requirements for the award of the

degree of

M.Sc Applied Science- Software Engineering,

Of Bharathiar University,

Coimbatore.

Submitted By

ARUN. A.

Reg. No. 0137S0024

Guided By

EXTERNAL GUIDE
Mr. P. Martin B.Sc., M.C.A.
Software Developer

INTERNAL GUIDE
Ms. V. Geetha M.C.A.
Senior Lecturer

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE – 641 006

SEPTEMBER - 2004

KUMARAGURU COLLEGE OF TECHNOLOGY

(Affiliated to Bharathiar University)

Department of Computer science and Engineering

Coimbatore – 641 006

CERTIFICATE

This is to certify that the project work entitled

CORPORATE INFORMATION SYSTEM

Done By

ARUN. A.

Reg. No. 0137S0024

Submitted in partial fulfillment of the requirements for the award of the degree M.Sc Applied Science -Software Engineering of Bharathiar University.

Professor and Head

27/9/04

Internal Guide

Submitted for the University examination held on .....

Internal Examiner

External Examiner

IES Technologies (India) P Ltd

Embedded Solution Provider

52, D-Block,
Anna Nagar (East),
Chennai – 600 102.

PROJECT WORK CERTIFICATE

This is to certify that **Mr. Arun. A,** IV year M.Sc., Applied Science - Software Engineering student of Kumaraguru College of Technology, Coimbatore has completed the project entitled **"CORPORATE INFORMATION SYSTEM"** in our organization during the period June 2004 to September 2004.

(Prem Kumar)
Project Manager

Tel: 91-44-26631674 Web Site: www.iestindia.com

DECLARATION

I hereby declare that the project entitled "CORPORATE INFORMATION SYSTEM ", for IES Technologies (India) P Ltd, Chennai submitted to Kumaraguru College of Technology, Coimbatore, affiliated to Bharathiar University as the project work of M.Sc Applied Science-Software Engineering, is a record of original work done by me under the supervision and guidance of Mr. P. Martin B.Sc., M.C.A and Ms.V.Geetha M.C.A., and this project work has not found the basis for the award of any Degree/Diploma/Associate ship/Fellowship or similar title to any candidate of any university.

Place: Coimbatore

Date: 27.9.04

Signature of the Student

ACKNOWLEDGEMENT

To add meaning to the perception, it is my indebtedness to honor a few who had helped me in this endeavor, by placing them on record.

With profound gratitude, I am extremely thankful to Dr.K.K.PADMANABAN B.Sc. (Eng), M.Tech, Ph.D., Principal, Kumaraguru College of Technology, Coimbatore for providing me an opportunity to undergo the M.Sc APPLIED SCIENCE SOFTWARE ENGINEERING course and thereby this project work also.

I extend my heartfelt thanks to my Computer Science & Engineering Department head, Prof.Dr.S.THANGASAMY B.E (Hons), Ph.D., for his kind advice and encouragement to complete this project successfully.

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Gratitude will find least meaning without thanking my Project coordinator Mr.K.R.BASKARAN, B.E, M.S., Assistant Professor, Dept of Information Technology, and my guide Ms. V. Geetha M.C.A., for the valuable guidance and support throughout my project.

My gratitude is due to all staff members of CSE department, my parents and all my friends for their moral support and encouragement for successful completion of my project.

ARUN. A.

SYNOPSIS

The *Corporate Information System* (CIS) is developed for automating the complete operations of *M/S Kanishka Alloys Private Limited.* The Project is composed of Four Major Modules namely HR Management, Administration, Production, Sales and Marketing. This project integrates all the departments of the corporate and the reports of each department are updated and posted on daily basis for the review of the management through the Internet. Further, this project also provides the facility for the management and the department authorities to communicate with each other.

The HR Management Module is also responsible for Maintaining information about Staffs like Personnel Management, Skill Sets, Timings, Weekly Shift Schedules, Salary Details, Incentives & Allowances, Appraisals, Leave and Transfers.
The Administration Module deals with Maintenance of employee attendance, Weekly Shift Schedule for employees, Login Id creation for administrators and management, Various Reports viz. Weekly Marketing Report, Weekly Financial Report, Daily Financial Report, Inventory Movement Report, Raw Material Utilization Report, Performance Report, Attendance Report for employees are generated.

This project will be developed using ASP (Active Server Page) as front end tool and MS Access as back end tool. The client side scripting is done using JavaScript and the server side scripting is done using VBScript. The Microsoft IIS (Internet Information Server) is used as the web server for the transactions.

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1.0 Introduction

1.1 Overview

The *Corporate Information System* (CIS) is developed for automating the complete operations of *M/S Kanishka Alloys Private Limited.* The Project is composed of Four Major Modules namely HR Management, Administration, Production, Sales and Marketing. This project integrates all the departments of the corporate and the reports of each department are updated and posted on daily basis for the review of the management through the Internet. Further, this project also provides the facility for the management and the department authorities to communicate with each other.

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The Administration Module deals with Maintenance of employee attendance, Weekly Shift Schedule for employees, Login Id creation for administrators and management, Various Reports viz. Weekly Marketing Report, Weekly Financial Report, Daily Financial Report, Inventory Movement Report, Raw Material Utilization Report, Performance Report, Attendance Report for employees are generated.

This project has been developed using web components such as HTML for static page designing, Java Script for client side validation, VB Script for server side validation and ASP. The database is maintained in MS Access. The web server used is IIS (Internet Information Server).

1.2 ORGANIZATION PROFILE

IES TECHNOLOGIES

IES TECHNOLOGIES is the convergence of technologies in Software, Embedded, hardware and networking under one fold.

STRENGTH

IES TECHNOLOGIES are striving to indulge and implementing knowledge in Software development, Embedded Control design & VLSI as an R & D cum design house providing cost effective and time bound solutions to the customers in the field of engineering and technology.

COMPANY PROFILE

IES TECHNOLOGIES was established in the year 2001 in the Chennai city and is raising ahead in the field of Software development, Embedded Control design & VLSI, with its team of dedicated, intelligent & optimistic young engineers.

They have the experience & technical competence in web designing, Client-Server technology, Intranet file transferring, and file uploading in the field of software. Prototyping, engineering and transferring technology in the field of analog, digital, power & communication electronics for industrial, telecommunication, process controlling, automotive, consumer electronics, security systems, agricultural, medical engineering. They also develop customized projects to suit the client's requirements.

Subsequently as a result of their development activities, a demand was generated to impart the knowledge of Software development, Embedded Solutions & VLSI, by the and for the student community. Hence, they are now conducting training programs on above mentioned technologies.

They are aiming to reach out to more potential territories in South India, to impart the knowledge of Software development, Embedded Solutions, VLSI, and Hardware Network providing cost-effective solutions.

2.0 System Study and Analysis

This section of the document describes the about the existing system, proposed system and the software requirement for the proposed system. System study deals with the complete study of the system that is going to be developed which includes the scope of the project, perspective of the product, its functions, constraints and requirements. Analysis of the system leads to the conclusion how the system is going to perform in the client environment.

2.1 Software Requirement Specification

2.1.1. Introduction

- Purpose

The purpose of this document is to provide the software development plan for the Corporate Information System project. This management application allows the administrators and other authorized users to be able to enter the system to view and store the information in the database according to their authorization. This management-side application will be powerful enough to maintain all the ongoing activities of the company.

- Scope

The main objective of this project is to promote business using the existing technologies. The activities performed in each department are updated and posted on daily basis for the review of the management through the Internet. Further, this project also provides the facility for the management and the department authorities to communicate with each other. Automation of the corporate helps in the development of business in a technical manner.

- Definitions, acronyms, abbreviations

  - CIS - Corporate Information System

- References

The references that were used for this project are mentioned in the bibliography and references section of this document.

2.1.2. General Description

➢ Product Perspective

Proposed system is purely based on networking concept. The use of the system's features is relevant on the LAN, WAN or Internet environments. This system must also be supportive of the following services:

- Browser performance issues
- Server performance issues
- Web page performance issues Web

➢ Product functions

The *Corporate Information System* (CIS) is developed for automating the complete operations of *M/S Kanishka Alloys Private Limited.* The purpose of this project is to integrate all the departments of the corporate. The reports of each department are updated and posted on daily basis for the review of the management through the Internet. Further, this project also provides the facility for the management and the department authorities to communicate with each other.

➢ User characteristics

This system is mainly designed for users who will be administrators and the corporate managing authorities. These users are authorized and their functionality depends on their type of authorization.

All users can be assumed to have the following characteristics:

- Ability to read and understand English.
- Familiarity with the operation of the basic Graphical User Interface (GUI) components of the operating system.
- Familiarity with the use of the Internet and web browsers.
- Beyond the above, no further facility with computer technology can be assumed.

➢ General constraints

Software Specification

<u>On the Web Server</u>

Microsoft Windows NT Server 4.0

Microsoft Internet Information Server (IIS) 4.0

On the Web Client

Microsoft Windows 95/98/2000/NT-Workstation Operating System

Recent version of Microsoft Internet Explorer/Netscape Navigator web browser

The system proposes to use the following hardware technologies:

Platform	Windows 2000 Professional
Database	MS Access
Front End	HTML, JAVA SCRIPT
Language	VB SCRIPT, ASP
Web Server	IIS 4.0

2.1.3 Specific Requirements

- Functional requirements

Introduction

This section lists the functional requirements of the system. Functional requirements describe the possible effects of the system, in other words, *what* the system must accomplish.

➢ Performance requirements

The minimal requirements for the proposed system is as follows:

Processor	Intel Pentium Series
Primary Memory	64 MB RAM
Secondary Memory	500 MB Free Space
Modem	56 kbps internal/external

➢ Design constraints

- The proposed languages for developing this system are HTML and Active Server Page.
- A database is also required to store all the necessary information for future reference.

- Other requirements.

  The system should

  - Provide high security
  - Control data redundancy
  - Control data inconsistency
  - Prevent concurrent access anomalies
  - Allow consistency constraints
  - Support flexibility and user friendliness
  - Allow Platform independence
  - Have Cheaper maintenance

2.2 Existing System

Existing system is done manually. All the records of the company and the details of the employees working in the company are maintained manually. The administrator has to maintain a copy in a manual register for employee attendance, timesheet and shift schedule. The reports prepared by the department authorities for review by the management are also done manually. This involves bulk of papers to be maintained by the administrator and this process consumes much time. To overcome these problems a system where the entire process will be automated is proposed.

The following are the drawbacks of the Existing System:

- Time consuming and tedious process
- Lot of papers has to be maintained by the respective person
- Time delay for process of information
- Underutilization of human sources
- Lack of Communication

2.3 Proposed system

The main objective of this project is to promote business using the existing technologies. This system that is proposed is fully automatic. All the information of the company is maintained in a central database. This system provides an easy and secure method for reining the activities that take place in the company. Further, no manual calculation is required in any department, resulting in reduction in manual errors. The activities performed in each department are updated and posted on daily basis for the review of the management through the Internet. Further, this project also provides the facility for the management and the department authorities to communicate with each other. Automation of the corporate helps in the development of business in a technical manner.

The proposed system has the following advantages:

- User friendly
- Quick accessing
- Security
- To reduce the human sources

3.0 Programming Environment

3.1 Hardware requirement

Processor	Intel Pentium Series
Primary Memory	64 MB RAM
Secondary Memory	500 MB Free Space
Modem	56 kbps internal/external

This system is one that runs behind a secure firewall. This system is portable with Intel Pentium III and IV systems, which is the majority of the systems in use. The system runs a centralized Oracle database server running on Microsoft Windows platform.

- Mouse

The mouse is the major input device, allowing the customer to select an item. Many functions can be done without a mouse, but a mouse is required for full functionality. This does not strictly have to be a mouse, any two-buttoned pointing device should be sufficient.

- Keyboard

The keyboard is required for entering textual information. Most of the user details will be text based so require the keyboard for input.

- Screen

The screen is the major output device. It supports the GUI interface by providing the user with feedback relating to the mouse and keyboard, as well as the web pages of the system. The screen should support 256 colors in 800x600 resolution.

- Printer

A printer allows hard copies of the models to be printed. Either a local or networked printer should be suitable. A printer capable of printing black and white in 300 dpi should be sufficient.

3.2 Description of SW & Tools

Active Server Pages

Introduction

Active server page 3.0 is included with windows 2000. However, because ASP is now a core part of so many Web-Oriented features within Windows, ASP the open, compile-free application environment in which you can combine HTML pages, scripts, and ActiveX server component to create powerful Web-based business solutions.

Active server pages (ASP) is Microsoft's most recent web server Applications development technology, designed to make it easier for web application Developers to create sophisticated web applications.

Development tools:

Probably the most obvious development Tool for working with ASP is Microsoft's own visual studio packages of just visual Interdev (one of the component of visual studio). Visual Interdev, especially in the latest version, provides a whole range of editing, debugging and code building tools.

ASP Fundamentals:

Microsoft's Active Server Pages technology has now reached version 3.0. To many people, it has now become the natural and even the quintessential way to build dynamic web pages, entire sites and web-based applications on a windows server platform.

ASP FEATURES:

- Asp is open, compile-free applications environment.
- Combines HTML, Scripts & Reusable active X Components to create powerful Web-based solutions.
- ASP enables server side scripting for IIS with native support both VB script & JavaScript.
- Browser independence ASP can run complex page building logic on the server & send only the results to the client.
- Database constructed pages that allow viewing, updating additions to server database
- Easy to use components running on the server (no the client). Built in third party components that require no browser scripting ability. Yet accomplish complex task that are difficult with browser scripting.
- Easy to build your own components that require no browser scripting ability, yet accomplish complex tasks that are difficult with browser

- Microsoft active server pages are a server-side scripting environment that you can use to create & run dynamic, interactive, high performance web server performance.
- Use Windows NT server to deploy you asp application on the Internet, which offers superior scalability & security.

ASP APPLICATIONS:

ASP Applications are associated with two main topics:

- The provision of global scope, through a globally accessible variable storage area
- The integration with IIS through com+, which allows us to better manage components.

ADVANTAGES OF USING ASP

- Works with any standard web browser.
- Quicker development cycle.
- Easier code maintainability.
- Lighter load on the browser.
- Increased security.
- It is a server side programming used to create dynamic web pages. It interacts with dbase and incorporate VB Script coding with ASP.

ASP Connection with IIS:

Internet information server (IIS) is the core Windows NT service that provides Internet services. Microsoft has a wide variety of products designed for Internet Connectivity. Internet information server provides information-publishing capabilities on the Internet. ASP itself consists of purely of a single DLL named asp.dll; DLL is responsible of taking an ASP page and parsing it for any server-side script content.

PERSONAL WEB SERVER

Personal Web Server (PWS) 4.0 is the answer to our personal information sharing and Web development needs. PWS is a desktop Web server that makes Web site setup quick and simple, from creating a personalized home page automatically, to drag and drop publishing of documents. PWS supports Active Server Pages; it can be used as a development and testing platform for websites. Create your site in the office or at home and it by using personal Web Server, before hosting it on the corporate server or an Internet

Microsoft ACCESS

MS Access is a relational database manager. It is a software package designed to make it easy for a person to store, maintain, and retrieve a related set of data. MS Access Components:

A Microsoft Access database can contain six types of database objects:

Tables store data.

Queries gather data you request from one or more tables. You can view or edit the data in a form, or print it in a report.

Forms display data from the tables or queries so you can view, edit, or enter data.

Reports summarize and present data from tables and queries so you can print or analyse it.

Macros automate your database by performing actions you specify, without the need of programming.

4.0 System Design

System design is the process through which the requirements are translated into a representation of software. This section deals with the input design, database design and the process design of the system. The input design deals with what kind of input will be supplied to the system and how the provided input is validated by the system. Database design represents the overall structure of the database used. Process design describes the working of each module in the system.

4.1 Input design

The input to the system will mainly be from the administrator, who will be maintaining the system. The other users who will be providing the input to the system will be department authorities and the management level users. The input provided to the system will be validated either on the client side or on the server side. The administrator will be entering input such as details about employees, customers, suppliers and stock. These inputs will be stores in the database and will be used to generate reports.

On the client side, validation is done using JavaScript. Constraints such as string position, empty field, not a number, e-mail validation, etc. are validated. VB Script will be used for server side validation. This validation will be done on the database. Validation such as user name and password for users etc. will be done on the server side.

The input design is a link that ties the information system to the world of its users. Some aspects of the design may vary depending on whether the system is batch oriented or online. But regardless of the system there are general input concerns that all analysis should have. Input design consist of developing specification and procedures for data preparation, those steps necessary to put transaction data into a useful form for processing, and data entry. The activity of putting the data to the computer for processing as obviously data entry can be achieved by instructing the computer to read data from a written or printed document, or it can occur by having a people key data directly into the system.

The objectives guiding the design of input focus on:

- Controlling the amount of input required
- Avoiding delay
- Controlling errors
- Keeping the steps simple

Input design is the process of converting user-oriented inputs to the computer base design. Since the input have to be planned in such a manner so as to get the relevant information, extreme care is to be taken to obtain the particular information. If the data going into the system is incorrect then the processing and outputs will be erroneous which will magnify the input errors.

The arrangements of messages and comments as well as the emplacement of data, headings, and titles on display screens or source documents are also a part of input designs. An improper design that needs the display screens blank will confuse a user about what action to take next.

Input designs are aimed at reducing the chance of mistakes or errors during data entry. The general term given to method aimed at detecting input is input validation. An analyst must always assume that errors will occur. They must be found during input and corrected prior to storing or processing the data.

The input screens designed are shown in the Appendix section.

4.2 Database Design

Login

This table is used to maintain information about the users who login to the system and their designation.

username	text(20)	User Name
pwd	text(20)	Password
Desig	text(20)	Designation

Employee master table

This table is used to maintain details of the employees working in the company.

empid	text(6)	Employee ID (Primary Key)
empname	text(20)	Employee Name
gen	text(6)	Genre
Addr	text(100)	Address
City	text(25)	City
Pin	number(6)	Pin code
State	text(25)	State
Phno	number(12)	Phone number
Qual	text(10)	Qualification
Dob	date/time	Date of birth
Doj	date/time	Date of join
dept	text(20)	Department
Desig	text(20)	Designation
Skill	text(100)	Skill set of employee

Time sheet

This table is used to maintain time sheet for the activity to be carried out.

sec	text(20)	Section
secsup	text(20)	Section supervisor (Primary Key)
act	text(50)	Activity
stdt	date/time	Start date
comdt	date/time	Completion date
rem	text(50)	Remarks

Shift

This table is used to maintain the shift schedule for the employees in the company.

empid	text(6)	Employee ID (Primary Key)
date	date/time	Current date
attnd	text(6)	Attendance
shift	number(1)	Shift number
schd	date/time	Shift timings
ot	number(2)	Over time

Appraisal

This table is used to maintain information about the appraisals provided to the employees.

empid	text(6)	Employee ID (Primary Key)
applev	text(15)	Appraisal Level
inc	number(3)	Increment Percentage
desig	text(20)	Designation proposed for employee
rem	text(100)	Remarks

Payroll

This table is used to maintain information about the salary details for employees.

empid	text(6)	Employee ID (Primary Key)
pfno	number(6)	Provident fund number
bp	number(6)	Basic pay
hra	number(6)	House rent allowance
da	number(6)	Direct allowance
pf	number(6)	Provident fund
ins	number(6)	Insurance
proftax	number(6)	Professional tax
np	number(6)	Net pay

Customer Master Table

This table is used to maintain details about the customers who purchase goods from the concern.

custcode	text(6)	Customer Code (Primary Key)
custname	text(20)	Customer Name
custaddr	text(100)	Customer Address
city	text(20)	City
pin	number(6)	Pin code
state	text(20)	State
phno	number(12)	Phone Number
email	text(25)	E-mail address

Customer account

This table is used to maintain accounting details about the customers who purchase goods from the company.

invno	number(6)	Invoice Number (Primary Key)
custcode	text(6)	Customer Code
date	date/time	Date of sale
prodcode	text(6)	Code of product sold
qtyout	number(6)	Quantity
tot	number(6)	Total Price/item
gndtot	number(6)	Grand Total

Finished goods master

This table is used to maintain the stock details of the finished goods in the warehouse.

date	date/time	Current Date
itcode	text(6)	Item code (Primary Key)
itname	text(20)	Item name
prodn	number(6)	Day's production
warhse	number(6)	Stock in warehouse

Supplier Master

This table is used to maintain details of the suppliers providing the raw materials.

suppcode	text(6)	Supplier code (Primary Key)
compname	text(50)	Company name
compaddr	text(100)	Company address
city	text(25)	City
pin	number(6)	Pin code
state	text(25)	State
phno	number(12)	Phone number
fax	number(12)	Fax number

Supplier account

This table is used to maintain accounting details of the suppliers providing the raw materials.

ordno	text(6)	Order number (Primary Key)
suppcode	text(6)	Supplier code
date	date/time	Date of supply
itcode	text(6)	Code of items supplied
qtyin	number(6)	Quantity received
tot	number(6)	Total price/item
gndtot	number(6)	Grand total

Raw material master

This table is used to maintain stock details about the raw materials available in hand.

date	date/time	Current Date
itcode	text(6)	Item code (Primary Key)
itname	text(20)	Item name
stinhand	number(6)	Stock in hand
prodnuse	number(6)	Qty used for day's production
reordlev	number(6)	Reorder level
reorddt	date/time	Reorder date

Purchase order

This table is used to maintain the purchase order details placed to suppliers.

pono	text(6)	Purchase Order num (Primary Key)
suppcode	text(6)	Supplier code
date	date/time	Date of order
prodcode	text(6)	Product code
qty	number(6)	Required Quantity
tot	number(6)	Total price/item
gntot	number(6)	Grand total

4.3 Process Design

The processes that will take part in this system will be through the modules that compose the system. Each module in the system gets the input from the user and stores it in the database. The data will be retrieved and necessary reports will be generated. The HR management module gets and stores the personal information about the employees, their skill sets, attendance and their salary details. These details will be used for retrieving information about the employees and for generating reports.

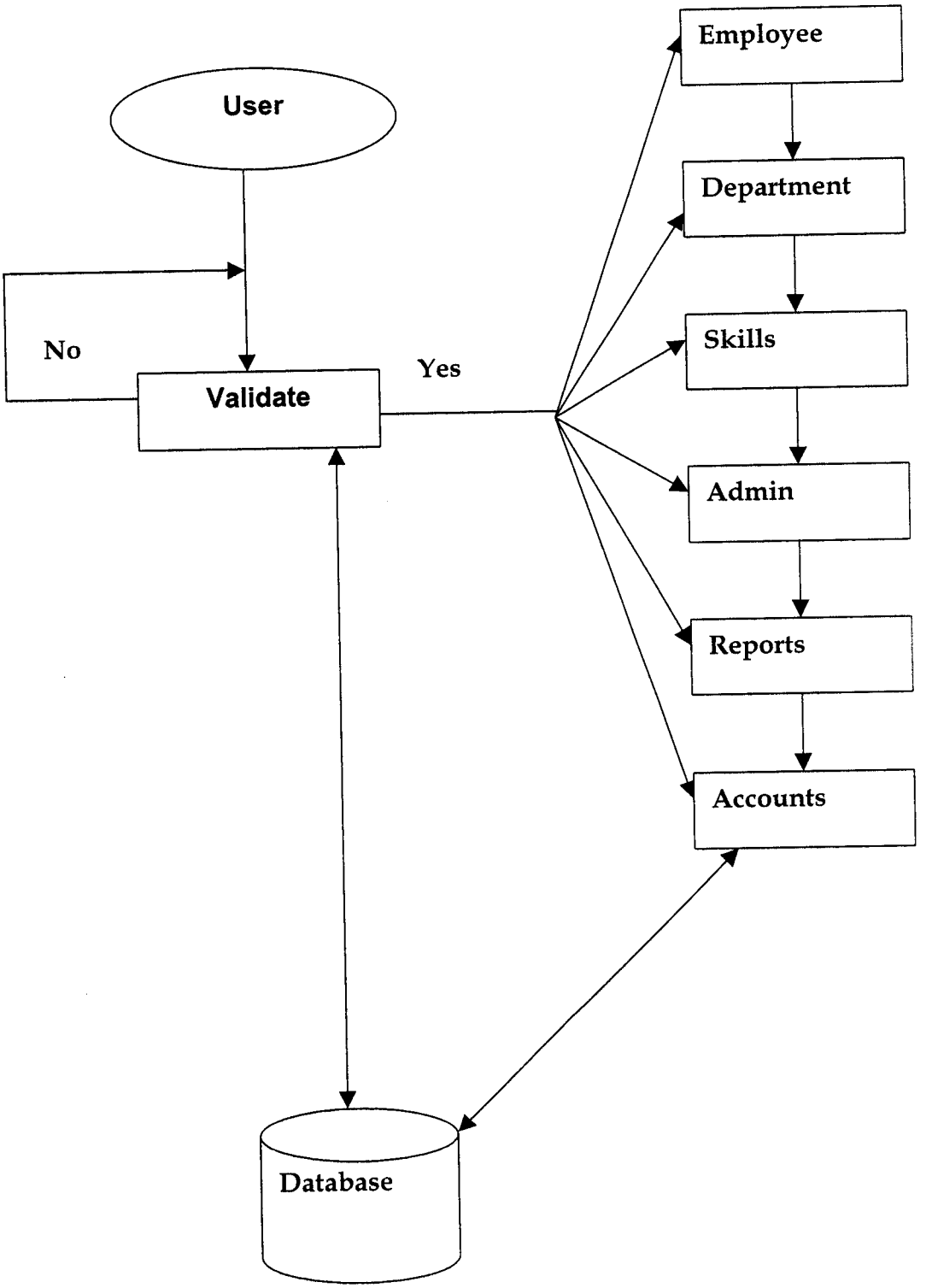
In the production department the information about the suppliers and raw materials stock is maintained. The materials used for the day's production is deduced from the stock based on the item code. If the reorder level is reached intimation is given to the authorities. Similarly, in the sales department the outgoing stock of finished goods from the warehouse will be deduced from the stock. The details of the customer who purchased the goods and the invoice number is also stored. These details will be used to generate reports.

The process design gives the insight into the way in which the processing is done in the system. The overall design can be summarized as:

- Opening an application
- Trapping the system errors
- Controlling applications through events and menu

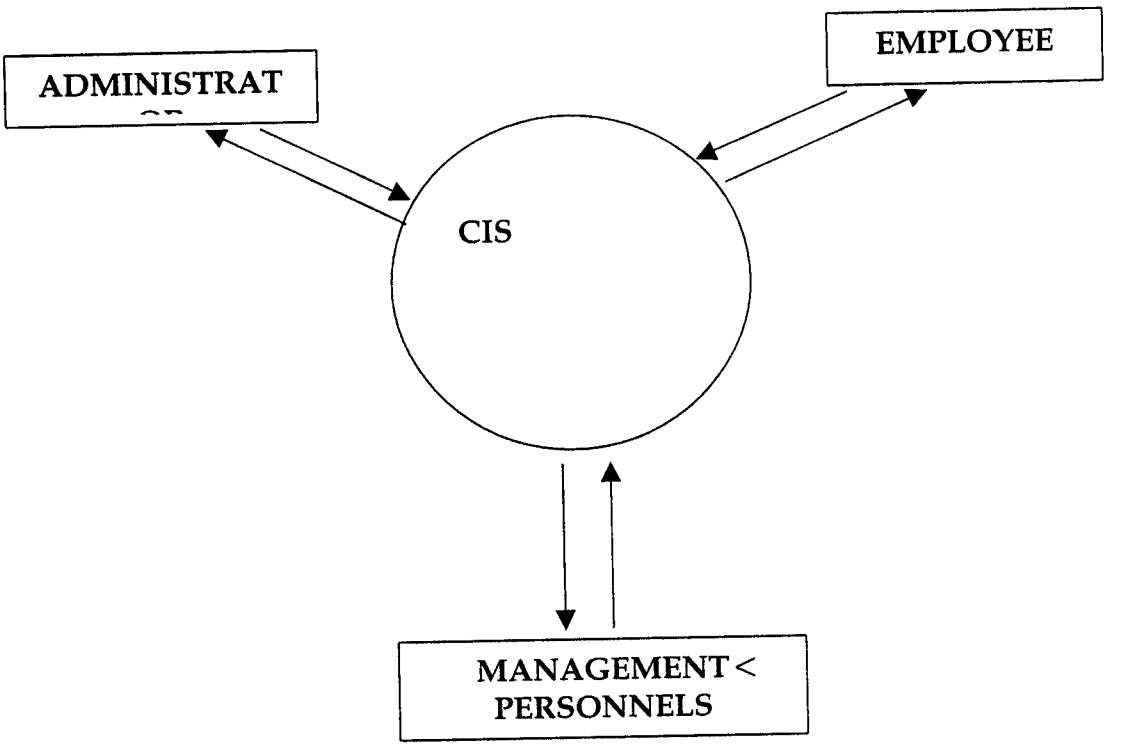
In this module we concentrate chiefly on the processes that are taking place in the system. The administrator of the system enters all the details of the employees working in the concern and maintains he database. Moreover, all the activities that have to be done in each department are given to the section supervisors of each department as timesheets. The daily attendance for the employees is also maintained. Based on the attendance of the employees their salary is calculated. All this information is maintained in the database and the reports that are generated are posted on the company web site for review by the company management.

4.4 Flowchart



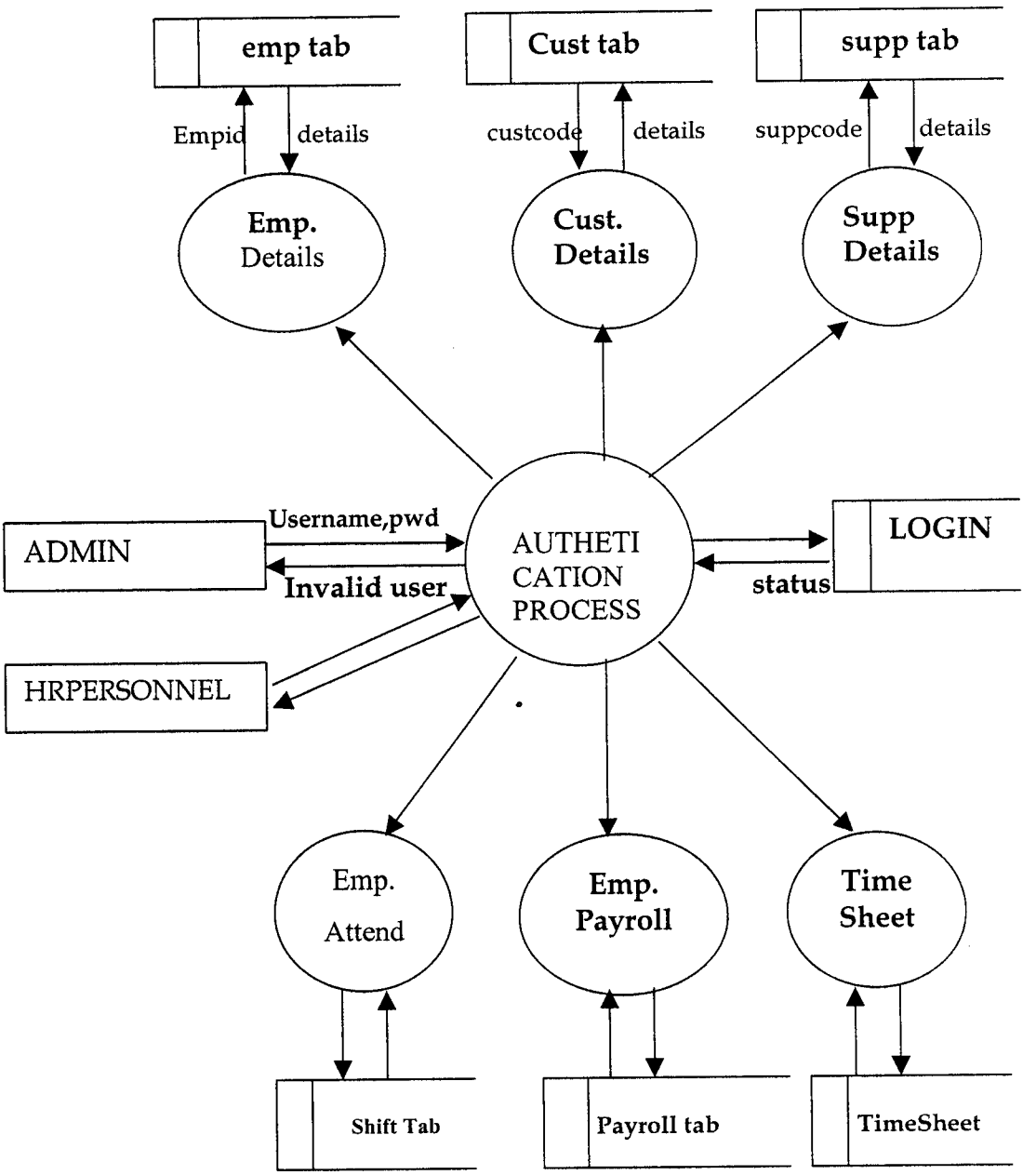
LEVEL 0

CONTEXT FLOW DIAGRAM



LEVEL 1

HR MODULE



5.0 System Testing and Implementation

5.1 System testing

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding. Testing is process of executing a program with the intent of finding errors. The user tests the developed system and changes are made according to their needs. The testing phase involves the testing of developed system using various kinds of data.

System testing is the state of implementation that is aimed at assuring that the system works accurately and efficiently before live operations commence. Testing is vital to the success of the system. System testing makes the logical assumption that if all the parts of the system are correct, the goal will be successfully achieved. A series of testing is performed for the proposed system before the system is ready for user acceptance test. The system is tested on all types of networks and the problem created by the system is identified and it is removed from the system after testing.

The testing steps involved in system testing are:

- Unit testing.
- Integration testing.
- Validation.

- Unit testing

Unit testing focuses on the smallest unit of the software design module. This is known as module testing. The modules of the system were tested separately during programming stage itself. Each module was given a set of values as input. In this testing step each module was found to be working satisfactorily with regard to the expected output from the module.

- Integration testing

After the testing phase of each module separately using different inputs the integration of all the modules of the system is done in this phase. Strategies for integrating software components into a functioning product include the bottom-up strategy, the top-down strategy, and sandwich strategy. All the modules are combined and tested as a whole using different values as input and ensured that the desired output is attained. Thus in the integration testing step, all the errors uncovered are corrected for the next testing steps.

- Validation testing

Validation testing was done to verify whether the system functioned in a manner that was reasonably expected by the client. After validation test has been conducted, no deficiency was detected. The function or performance characteristics conform to specification and were accepted. Proposed system under consideration was tested by using validation tests and was found to be working satisfactorily.

- Output testing

After performing the validation tests, the next step is the output testing of the proposed system. Considering the format required by the users, the output generated by the system under consideration was tested for a given set of valid inputs. Here, the output format is considered on the monitor only. The output format on the screen was found to be correct according to the user's needs. The hardcopy output also came out as specified by the user. The output testing did not result in any correction in the system. The system was tested in many networks.

5.2 Implementation

System implementation is the stage of the project when the theoretical design is tuned into a working system. If the implementation system stage is not carefully controlled and planned, it can cause chaos. Thus, it can be considered to be the most critical stage in achieving a successful new system and in giving the users a confidence that the system will work and be effective.

The implementation stage in a system project has its own rights. It involves:

- Careful planning.
- Verification of the existing system and constraints for implementation.
- Training of staff in the newly developed system
- Documentation

Before implementing the system two important documents should be prepared.

- User's Manual
- System Manual

- User's Manual

It explains the aspects of user's requirements according to Admin and client standpoint of view. The User manual consists of both server side and client side requirement manual.

- System Manual

It explains all the aspects on design, which is useful mainly for the further maintenance of the system. Demonstration is implemented after the successful completion of acceptance testing, the system is ready to use. In order to put the system into use, the following activities should be taken care of. General Demonstration is given to the user. The main aim of the training would be to furnish the user with a working knowledge of the newly developed system. The users are trained to newly developed system.

6.0 Conclusion

This system has been through all the various testing process, numerous times by developer and then by top authorities, the validation part also functions extremely well and above all proper care has been given to make the system very user friendly.

Since this system will be placed in the concern, there is need for security. So entry is permitted through ID and password, the system is GUI based, user interactive. It provides facilities to maintain and manipulate data, retrieve information and create reports easily, quickly and effectively. This system makes the process very easy, efficient and time saving.

The system is developed with high modularity and also a high level of compatibility is associated with it. This makes it easy to integrate with other systems. This system can be easily integrated with other compatible systems to ensure efficient and proper automation of the whole system in consideration.

7.0 Scope for further work

This system has been designed and developed with flexibility according to the current requirement. Based upon additional requirement modules can be added to expand the system functionality. Further a chat system can be added for the users of the system to communicate among them. Further, reports can be generated in graphical format using graphs and charts that will assist the management to easily review the progress.

8.0 Bibliography and Reference

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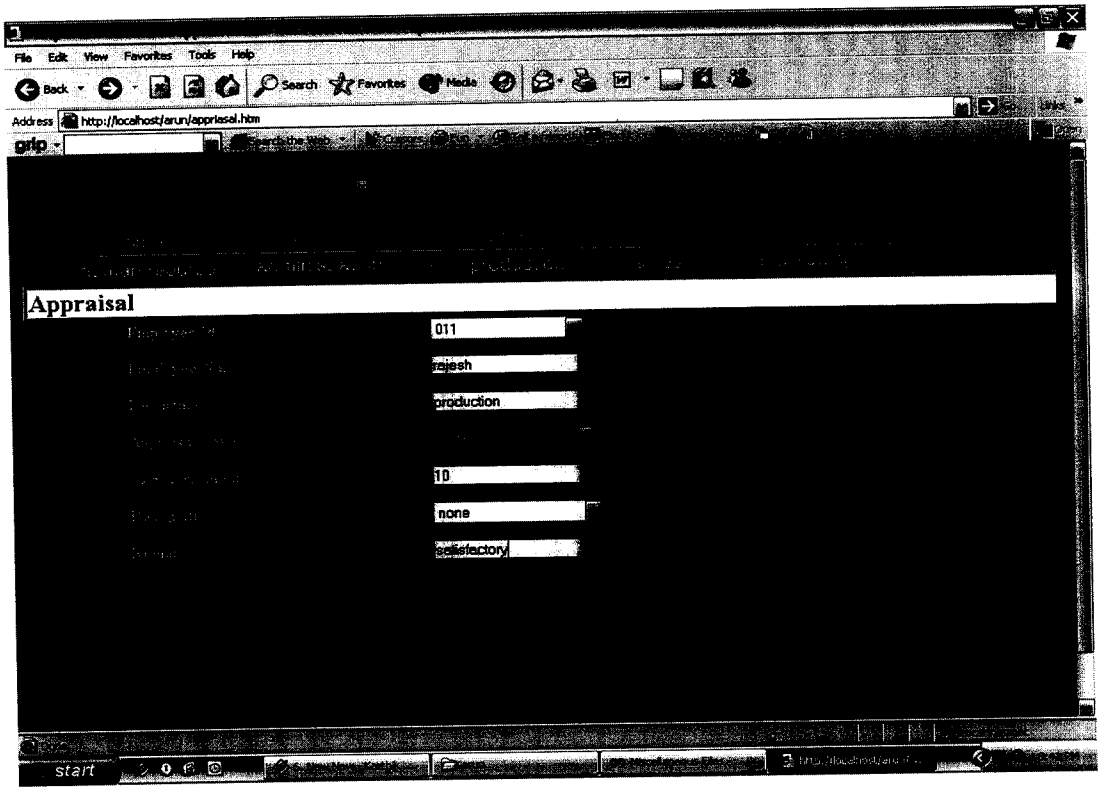
Appendix

9.0 Appendix

9.1 Screen Shots

Appriasal



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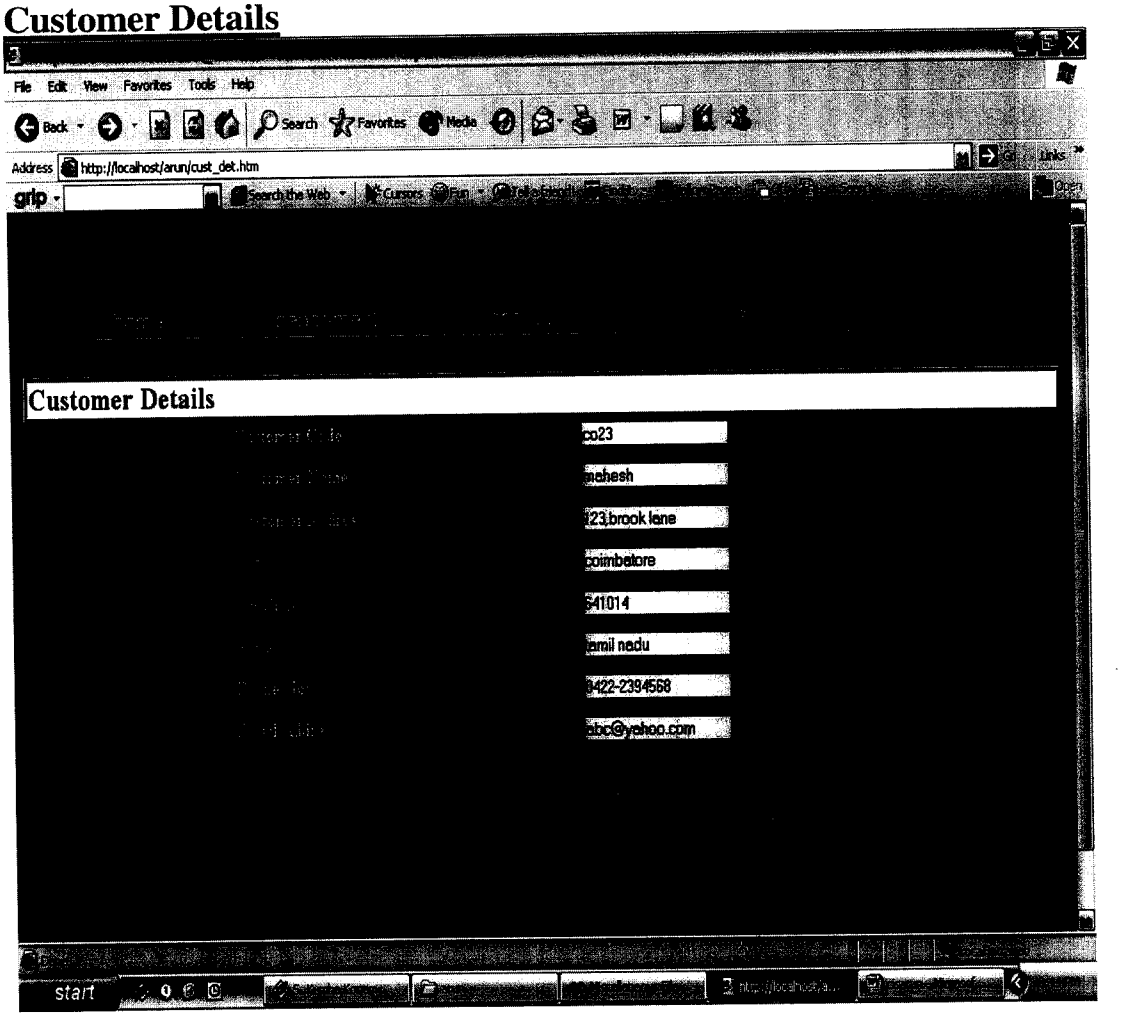
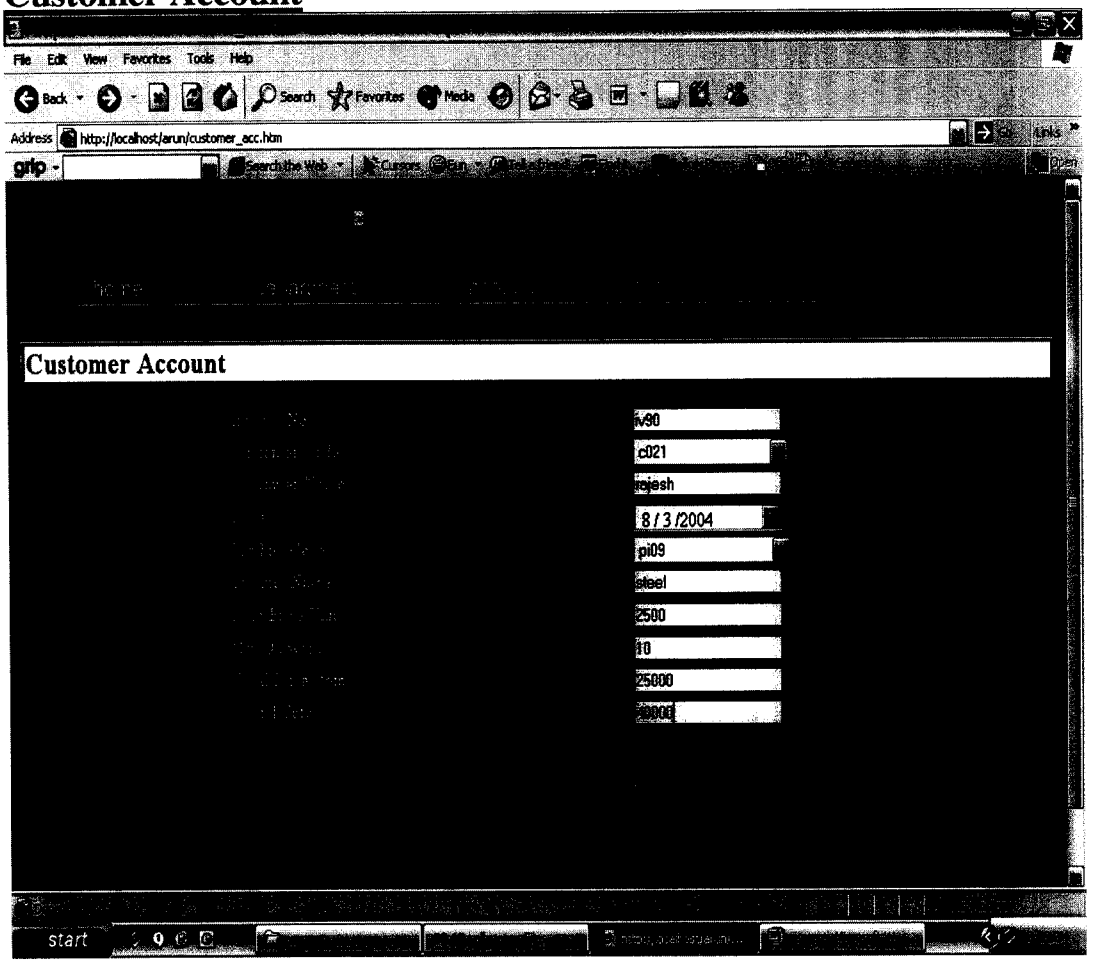
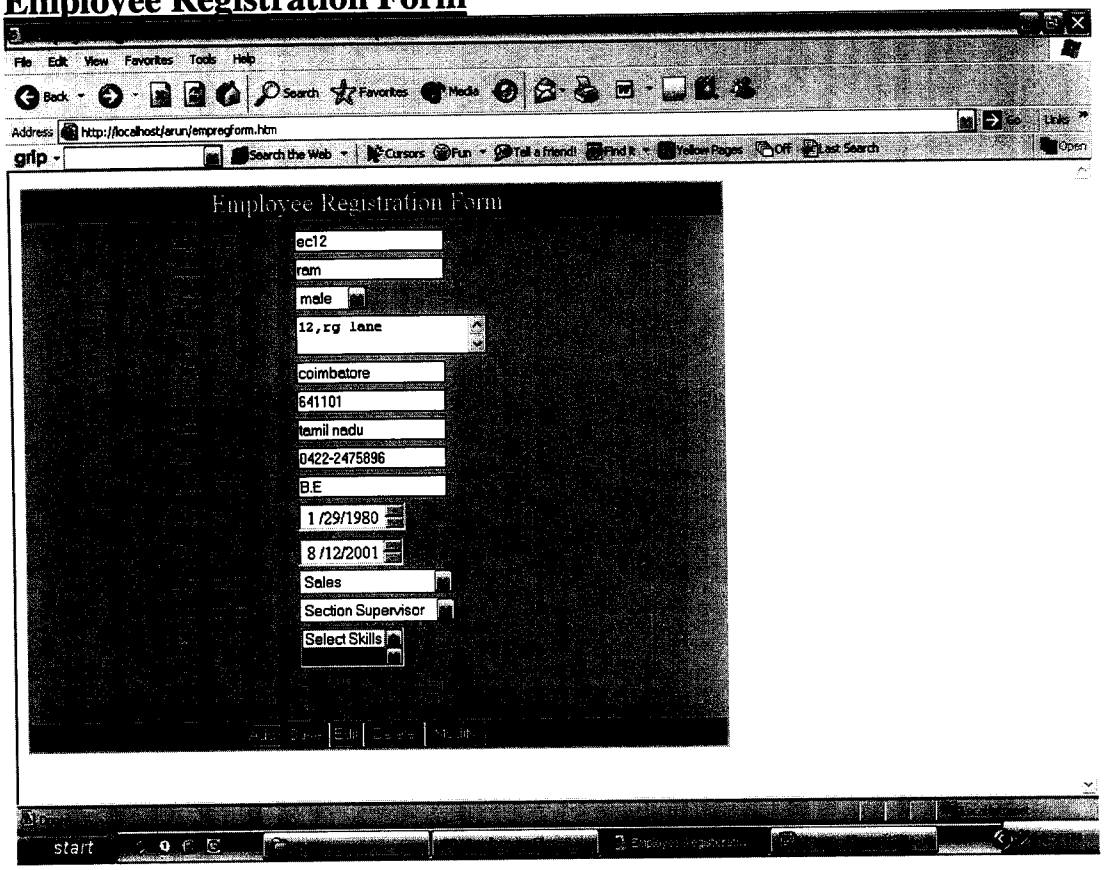


Customer Account



Employee Registration Form



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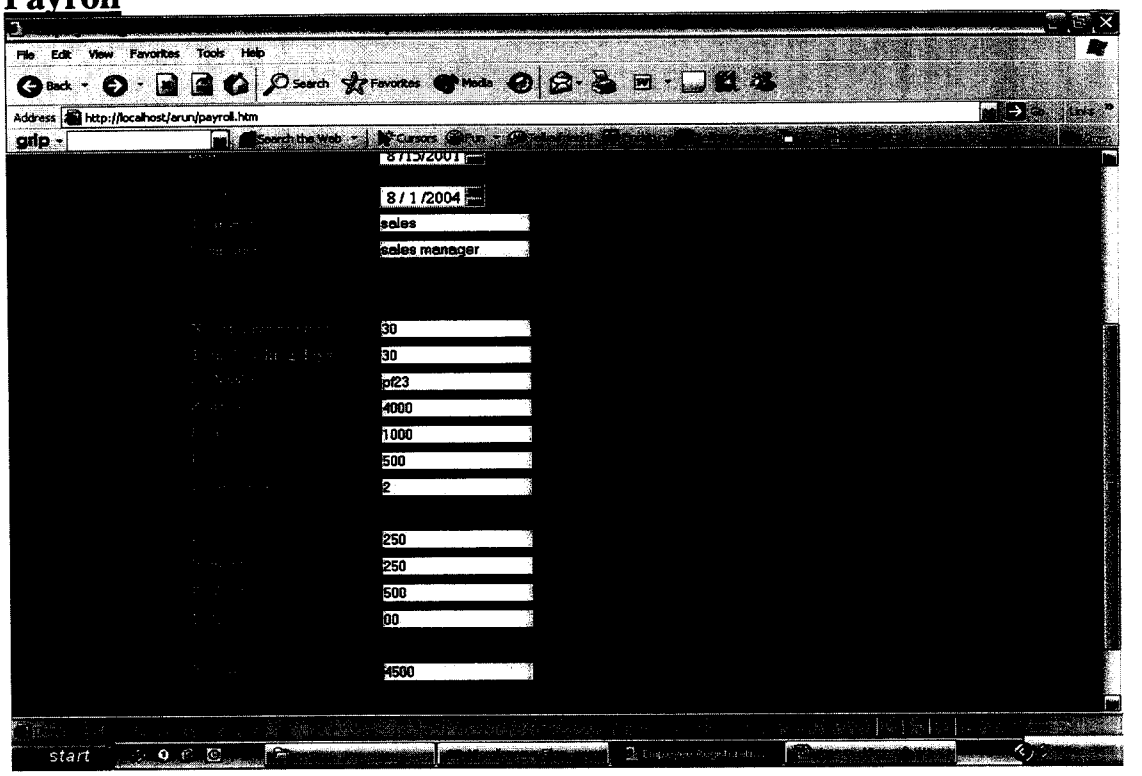
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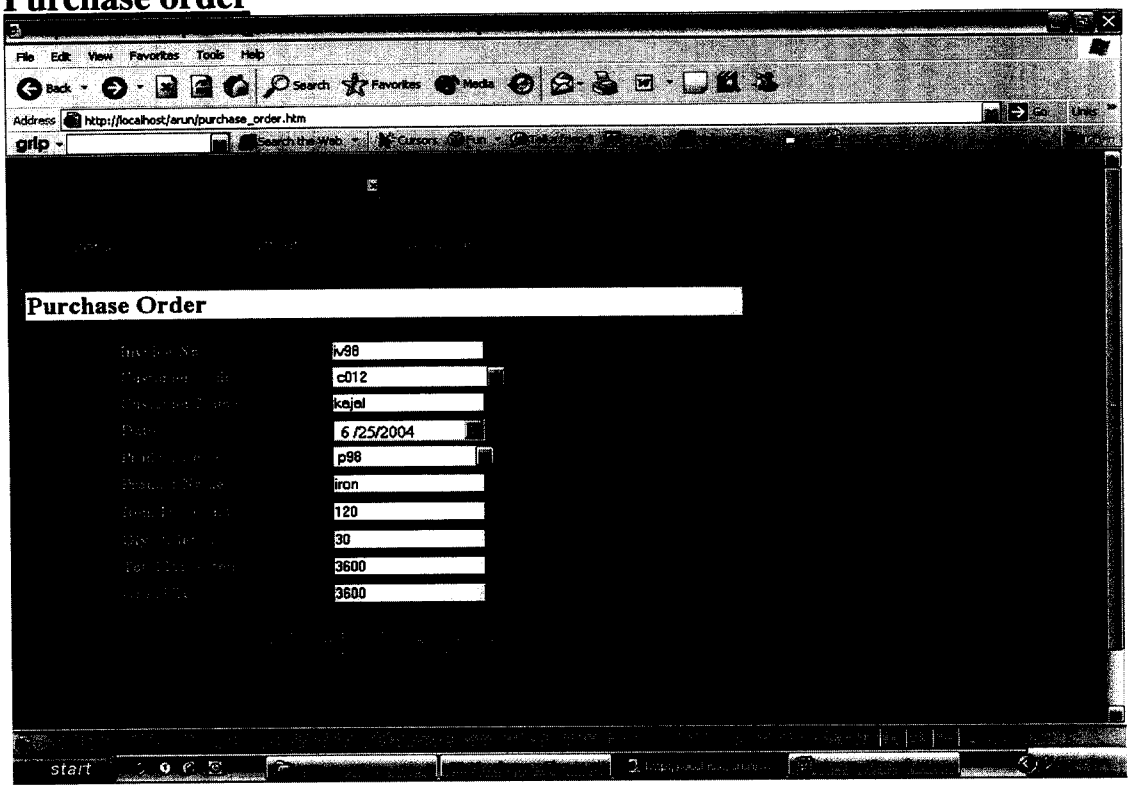
Purchase order



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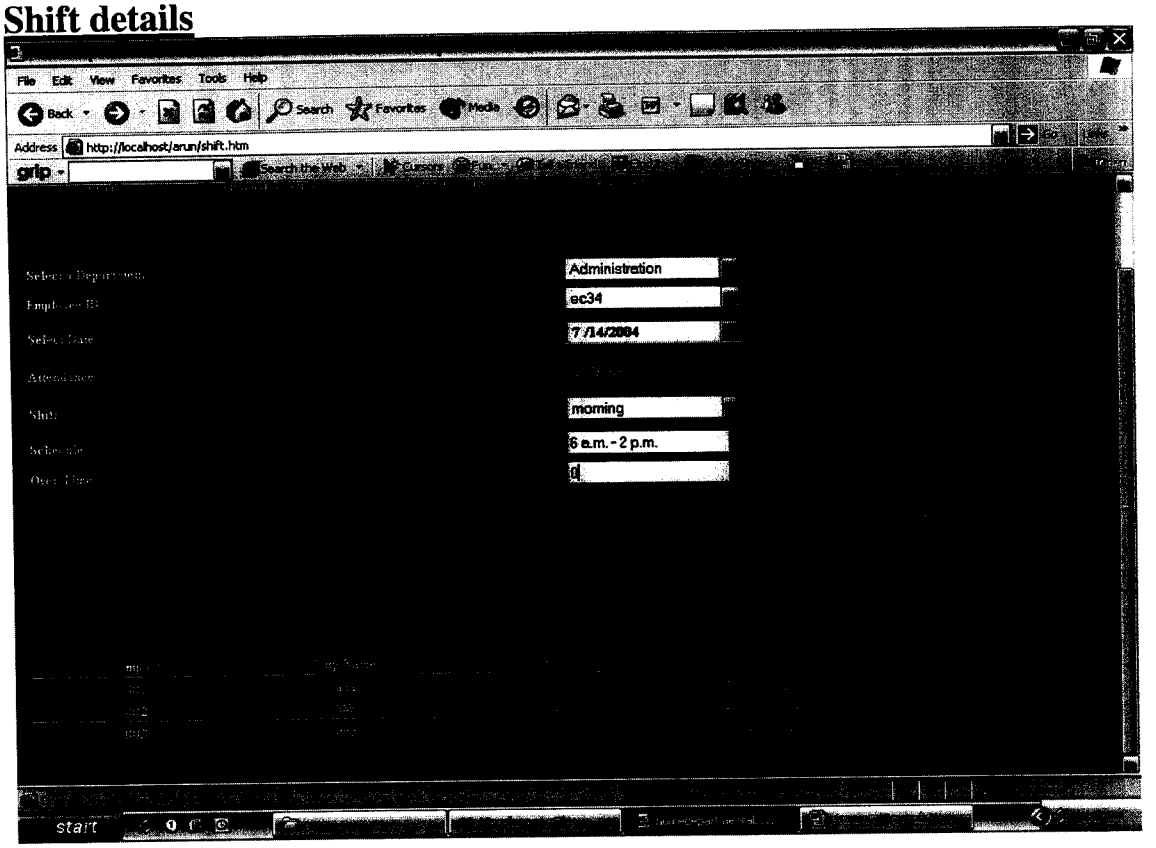
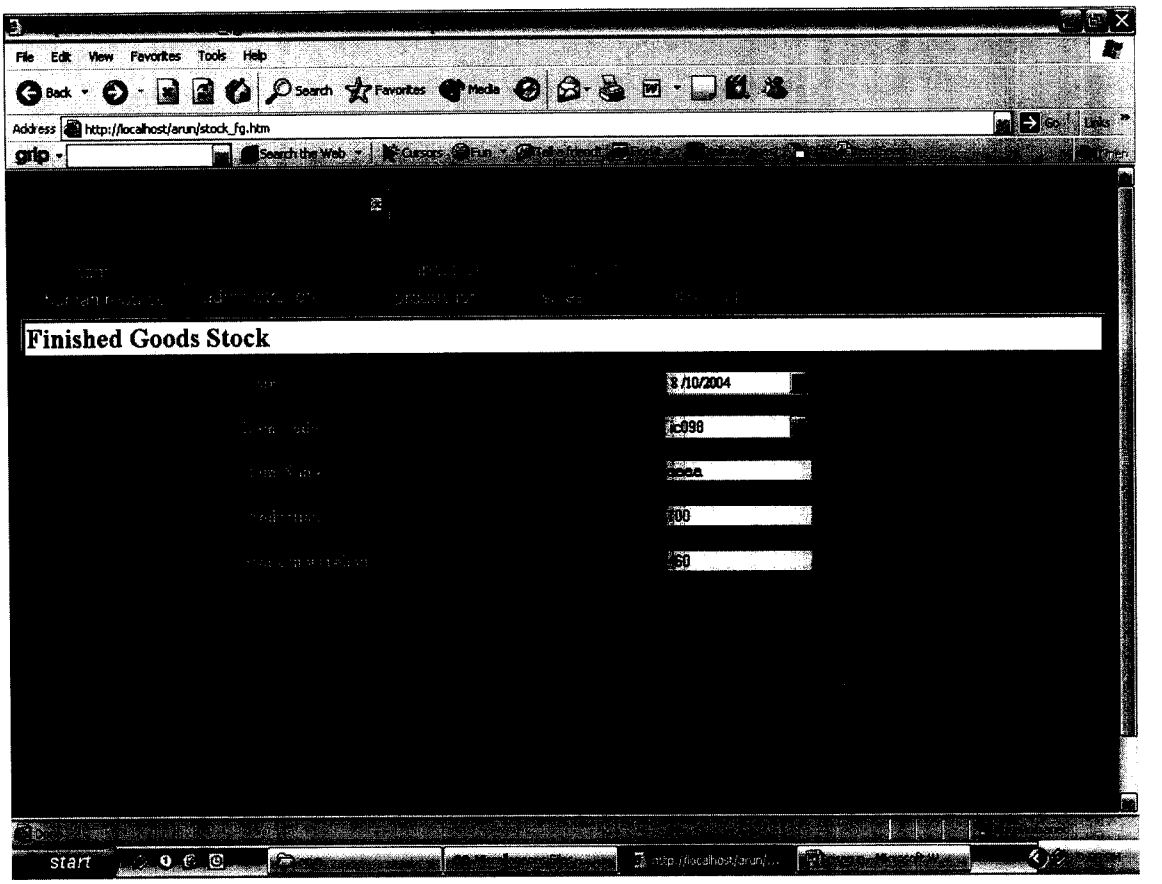


Finished Goods Stock



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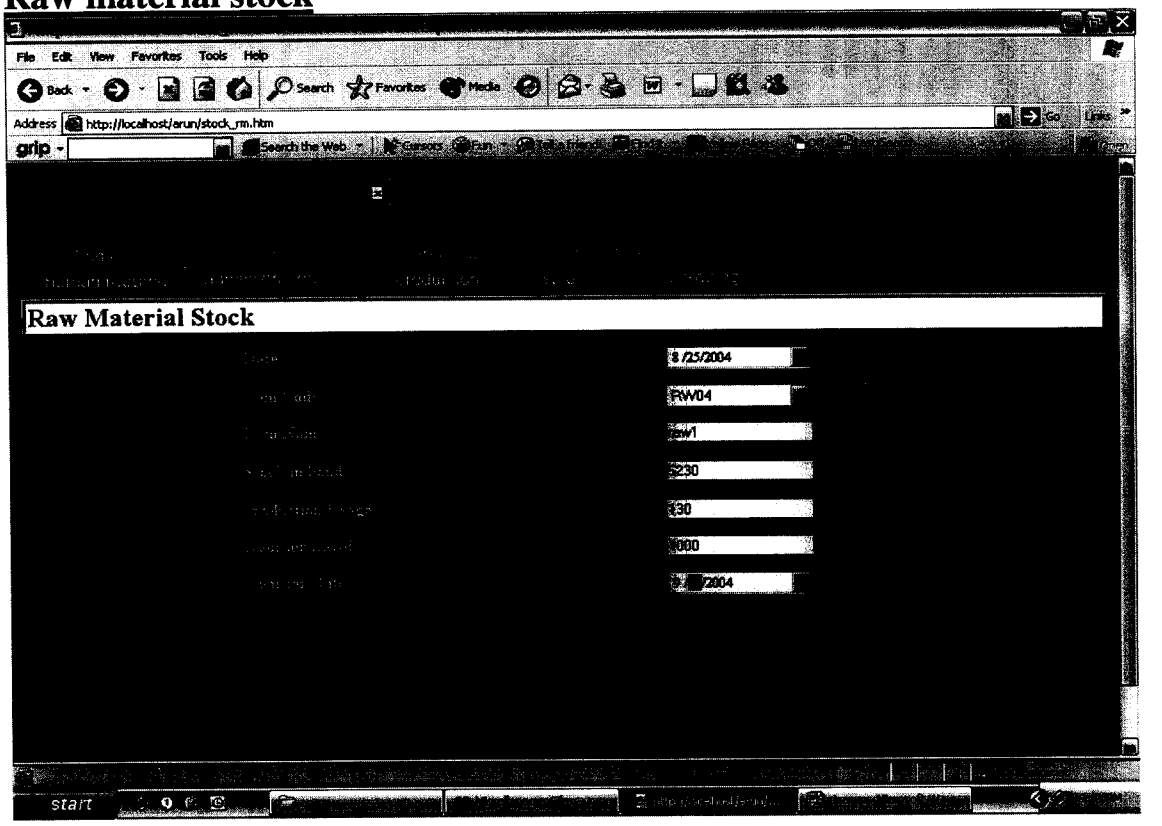
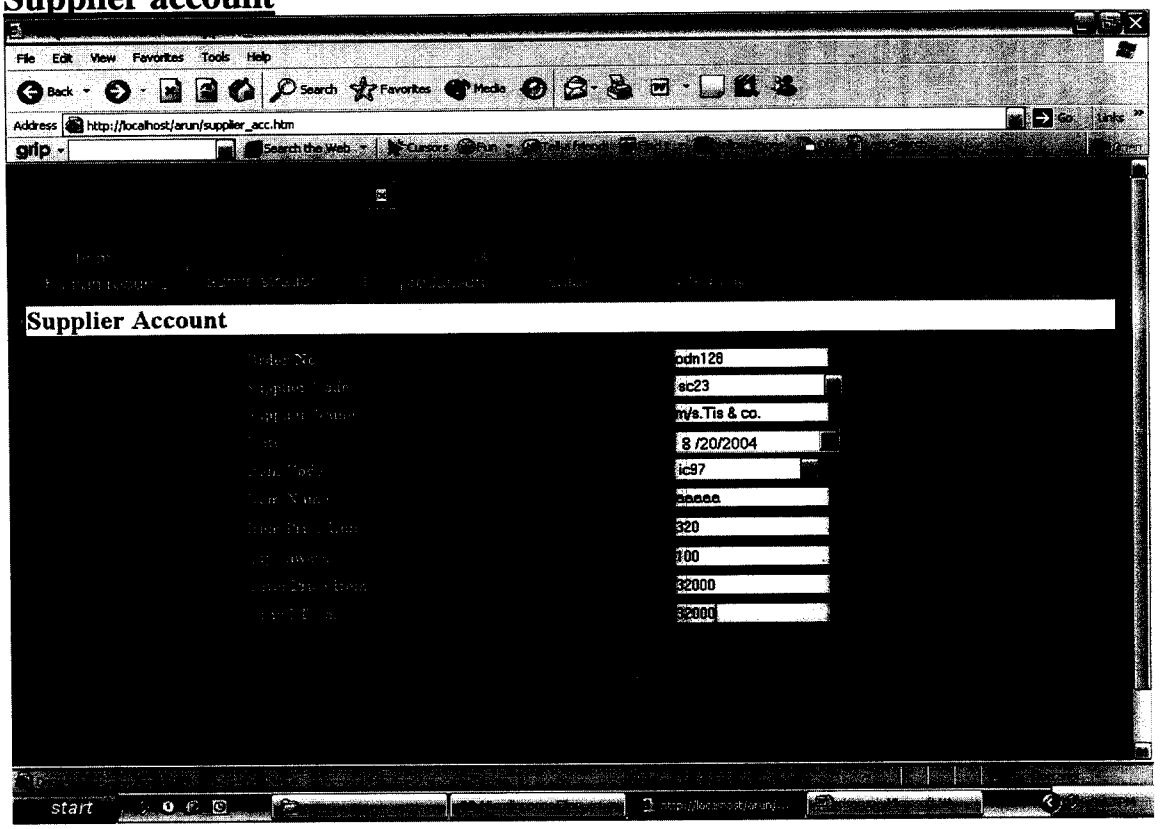


Supplier account



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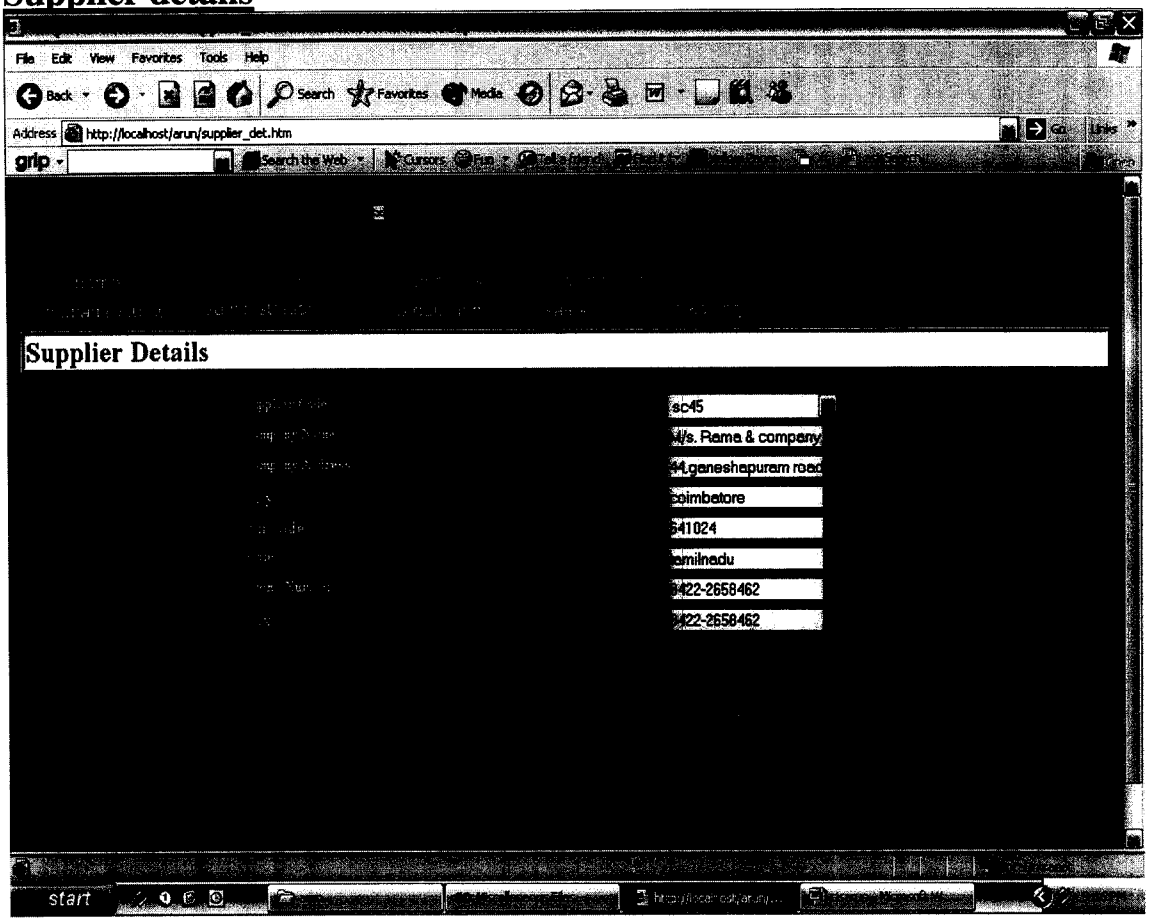
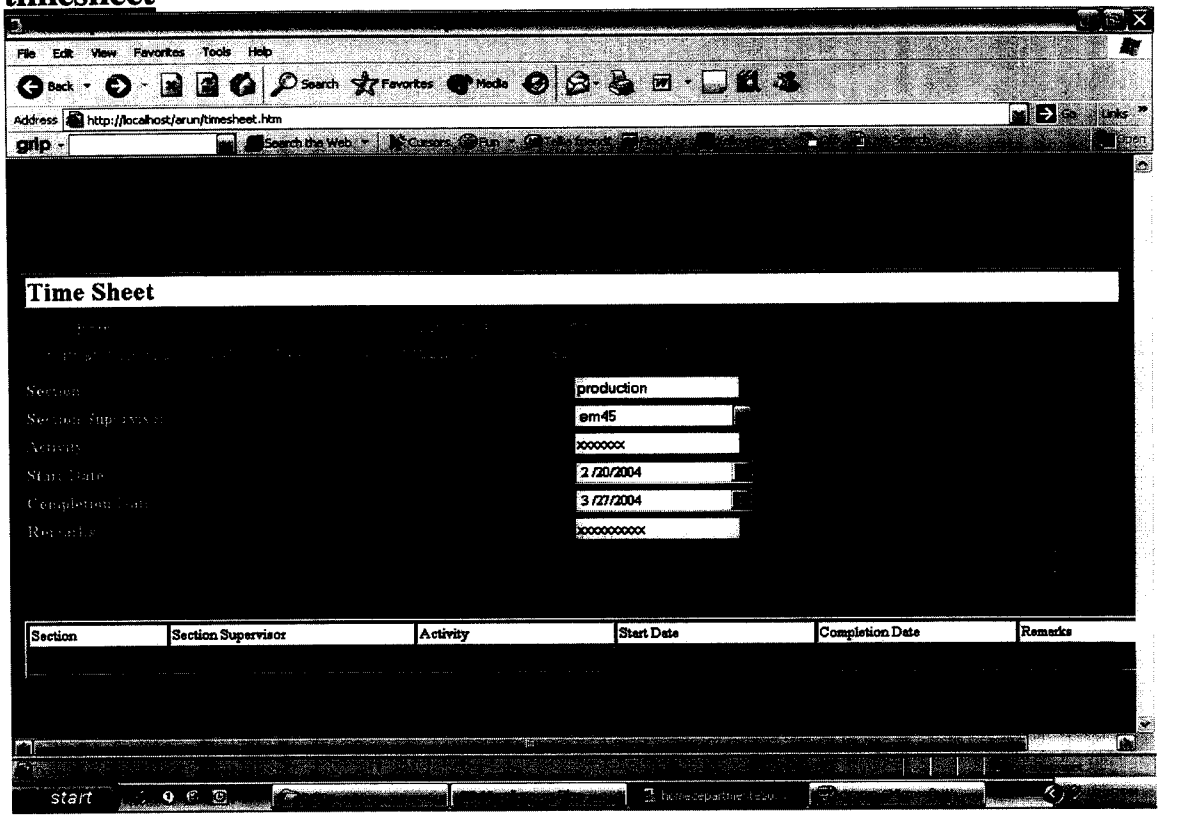


timesheet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