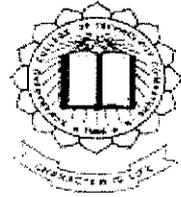


P-3236



Web Based Project Management System



PROJECT REPORT

Submitted By

V. MALINI

Register No.: 0720300019

*in partial fulfillment for the award of the degree
of*

MASTER OF COMPUTER APPLICATIONS

in

COMPUTER APPLICATIONS

KUMARAGURU COLLEGE OF TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Coimbatore)

May, 2010

KUMARAGURU COLLEGE OF TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Coimbatore)

COIMBATORE – 641 006.

Department of Computer Applications

PROJECT WORK

MAY 2010

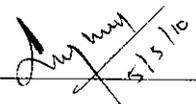
This is to certify that the project entitled
WEB BASED PROJECT MANAGEMENT SYSTEM

is the bonafide record of project work done by

V. MALINI

Register No: 0720300019

of MCA (Computer Applications) during the year 2009-2010.

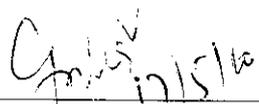


Project Guide



Head of the Department

Submitted for the Project Viva-Voce examination held on 17.05.2010



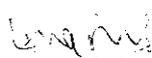
Internal Examiner



External Examiner

DECLARATION

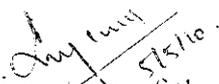
I affirm that the project work titled **WEB BASED PROJECT MANAGEMENT SYSTEM** being submitted in partial fulfillment for the award of **MASTER OF COMPUTER APPLICATIONS** is the original work carried out by me. It has not formed the part of any other project work submitted for award of any degree or diploma, either in this or any other University.


(Signature of the Candidate)

V.Malini

0720300019

I certify that the declaration made above by the candidate is true


Signature of the Guide,
Parvathamma P. G. / NCA

With Name & Designation

Apr. 30, 2010.

CERTIFICATE

This is to certify that Ms.V.Malini(07203000019) has undertaken a project with us entitled "Web Based Project Management System" and completed successfully on Apr. 30, 2010. She is a sincere and hardworking project student and reported regularly about her progress.



V. Govindaraju,
Partner

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ABSTRACT

This system is creating a website which deals with project management system and the job portal. The system is developed to manage the project through online. The admin can maintain the entire system and the admin only allocate the project to the user.

The user must register their details and select the project from project list which are provided by the admin. The user can upload the project files like, SRS, Design and Coding. The user can download the team member file with admin permission. The user should finish their task within the specific time. If they could not, the warning mail will be send automatically to the user by the system.

The guest can see the FAQ pages and they can provide the comments about the website. The user and also the guest can view the job details and they can register their details through online. The admin verify it and call them for an Walk-in Interview.

This system is fully secured and the system's main goal is to make the process of managing the project and job portal easier.

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CHAPTER 1

INTRODUCTION

1.1 ORGANIZATION PROFILE:

Bannari Amman Research Consultancy (Barcindia.net) was started in the year of 2008 by two PSG technology aluminizes, as and research institute. They have trained so many students in various platforms and on various applications. Their areas of specialization are E-LEARNING and TAMIL COMPUTING. They also a training concentrate on software development on free open sources software platforms.

1.2 PROJECT OVERVIEW:

This system “**WEB BASED PROJECT MANAGEMENT SYSTEM**” is to create a website which deals with project management system and the job portal.

The system is developed to manage the project through online. The admin can maintain the entire system and the admin only allocate the project to the user.

The user must register their details and select the project from project list which are provided by the admin. If the user is willing to do the project, the user will give the credit details and the admin will check the user details and provide the requirements and acceptance letter through mail.

The user can upload the projects files i.e., SRS, design and coding. If the user already uploaded the file, that files are displayed through link.

The user can download the team member file with admin permission. The user should finish their task within the specific time. If they could not, the warning mail will be send automatically to the user by the system and finally confirmation letter produced by the admin to the user after he/she uploaded the entire source code with documentation.

The guest can see the FAQ pages and they can provide the comments about the website.

The user and also the guest can view the job details, if they have the qualification then they can registered their details through online. The admin verify it and call them for an walk-in interview.

This system is fully secured and the system's main goal is to make the process of managing the project and job portal easier.

CHAPTER 2

SYSTEM ANALYSIS

2.1 EXISTING SYSTEM

The existing system is the manual system. There is a tedious manual labor to maintaining all the details.

2.1.1 Drawbacks of the existing system

- The students has to search the projects in companies manually
- Process of getting the letters and asking about projects requirements and doubts to the companies is tedious job.
- The existing system is more time consuming and tedious job
- The system involves lot of human resource, paper work and cost.

2.2 PROPOSED SYSTEM

Proposed system is an integrated system of the existing system. There is no chance of error in recording and accessing the details. Time is saved in this process. It has both the facilities of the old system as well as some additional features.

2.2.1 Benefits of Proposed System

- The student can search efficiently and ease of getting the project confirmation through the system.
- Asking doubts through online itself.
- The system is making to less time consume, human resources and cost
- The system is very secure and can handle the workload.
- Student progress is monitored automatically by the way of fulfilling milestones.

CHAPTER 3

SYSTEM REQUIREMENTS SPECIFICATION

3.1 HARDWARE ENVIRONMENT

Client side Configuration

Processor	:	Pentium III
Processor Speed	:	1.4 GHz
Memory (RAM)	:	128 MB
Hard Disk	:	40 GB

Server side Configuration

Processor	:	Pentium IV
Processor Speed	:	1.7 GHz
Memory (RAM)	:	256 MB
Hard Disk	:	40 GB

3.2 SOFTWARE ENVIRONMENT

Operating System	:	Windows XP
Designing Tool	:	HTML, CSS, JAVA SCRIPT
Scripting Language	:	PHP
Web Server	:	Wamp Server
Back-end	:	My SQL

3.3 SOFTWARE OVERVIEW

WINDOWS-XP

Windows-XP is a powerful system. It includes many useful programs and accessories. It provides a wealth of features and it keeps the complex features relatively simply to use.

It tries to create a work environment for the computers that model the actual working environment on our desk. Windows XP has many new and enhanced features.

- It has the facility for multitasking.
- It is user friendly.
- Every application has its own online help facility.

PHP

PHP is a server-side scripting language designed specifically for the Web. Within an HTML page, you can embed PHP code that will be executed each time the page is visited. Your PHP code is interpreted at the Web server and generates HTML or other output that the visitor will see. PHP was conceived in 1994 and was originally the work of one man, Rasmus Lerdorf. It was adopted by other talented people and has gone through three major rewrites to bring us the broad, mature product we see today. As of January 2001, it was in use on nearly five million domains worldwide, and this number is growing rapidly. PHP is an Open Source product.

Advantage of PHP

Some of PHP's main competitors are Perl, Microsoft Active Server Pages (ASP), Java Server Pages (JSP), and Allaire Cold Fusion.

In comparison to these products, PHP has much strength including the following:

- High performance
- Interfaces to many different database systems
- Built-in libraries for many common Web tasks
- Low cost
- Ease of learning and use
- Portability
- Availability of source code

MySQL

MySQL is a very fast, robust, *relational database management system (RDBMS)*. A database enables you to efficiently store, search, sort, and retrieve data. The MySQL server controls access to your data to ensure that multiple users can work with it concurrently, to provide fast access to it, and ensure that only authorized users can obtain access. Hence, MySQL is a multi-user, multi-threaded server.

It uses *SQL (Structured Query Language)*, the standard database query language worldwide. MySQL has been publicly available since 1996, but has a development history going back to 1979.

Why Use PHP and MySQL?

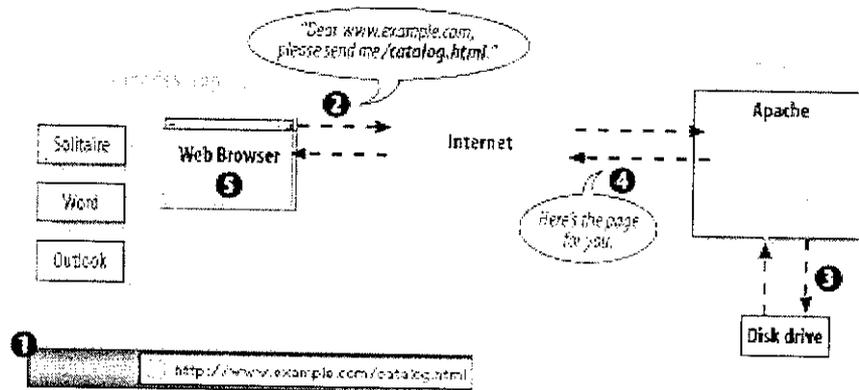
When setting out to build an e-commerce site, there are many different products that you could use. You will need to choose hardware for the Web server, an operating system, Web server software, a database management system, and a programming or scripting language. Some of these choices will be dependent on the others. For example, not all operating systems will run on all hardware, not all scripting languages can connect to all databases, and so on. In PHP, we do not pay much attention to your hardware, operating system, or Web server software. We don't need to. One of the nice features of PHP is that it is available for Microsoft Windows, for many versions of UNIX, and with any fully functional Web server. MySQL is similarly versatile.

PHP's Place in the Web World:

PHP is a programming language that's used mostly for building web sites. Instead of a PHP program running on a desktop computer for the use of one person, it typically runs on a web server and is accessed by lots of people using web browsers on their own computers. This section explains how PHP fits into the interaction between a web browser and a web server.

When you sit down at your computer and pull up a web page using a browser such as Internet Explorer or Mozilla, you cause a little conversation to happen over the Internet between your computer and another computer. This conversation and how it makes a web page appear on your screen is illustrated in Figure 1.

Figure 1. Client and server communication without PHP

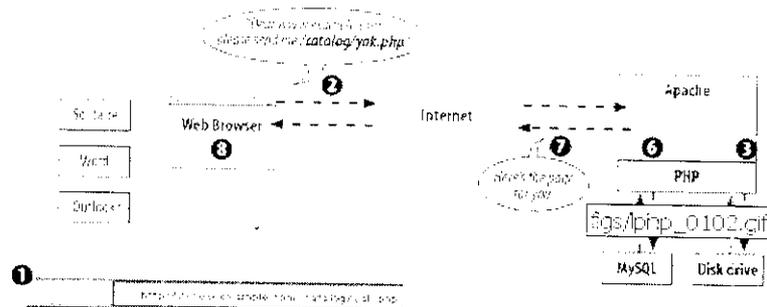


Here's what's happening in the numbered steps of the diagram:

You type `www.example.com/catalog.html` into the location bar of Internet Explorer. Internet Explorer sends a message over the Internet to the computer named `www.example.com` asking for the `/catalog.html` page. Apache, a program running on the `www.example.com` computer, gets the message and reads the `catalog.html` file from the disk drive. Apache sends the contents of the file back to your computer over the Internet as a response to Internet Explorer's request. Internet Explorer displays the page on the screen, following the instructions of the HTML tags in the page.

Every time a browser asks for `http://www.example.com/catalog.html`, the web server sends back the contents of the same `catalog.html` file. The only time the response from the web server changes is if someone edits the file on the server. When PHP is involved, however, the server does more work for its half of the conversation. Figure 2 shows what happens when a web browser asks for a page that is generated by PHP.

Figure 2. Client and server communication with PHP



Here's what's happening in the numbered steps of the PHP-enabled conversation: You type `www.example.com/catalog/yak.php` into the location bar of Internet Explorer. Internet Explorer sends a message over the Internet to the computer named `www.example.com` asking for the `/catalog/yak.php` page. Apache, a program running on the `www.example.com` computer, gets the message and asks the PHP interpreter, another program running on the `www.example.com` computer, "What does `/catalog/yak.php` look like?"

The PHP interpreter reads the file `/usr/local/www/catalog/yak.php` from the disk drive. The PHP interpreter runs the commands in `yak.php`, possibly exchanging data with a database program such as MySQL.

The PHP interpreter takes the `yak.php` program output and sends it back to Apache as an answer to "What does `/catalog/yak.php` look like?" Apache sends the page contents it got from the PHP interpreter back to your computer over the Internet in response to Internet Explorer's request. Internet Explorer displays the page on the screen, following the instructions of the HTML tags in the page.

"PHP" is a programming language. Something in the web server reads your PHP programs, which are instructions written in this programming language, and figures out what to do. The "PHP interpreter" follows your instructions. Programmers often say "PHP" when they mean either the programming language or the interpreter. In this book, I mean the language when I say "PHP." When I say "PHP interpreter," I mean the thing that follows the commands in the PHP programs you write and that generates web pages. If PHP (the programming language) is like English (the human language), then the PHP interpreter is like an English-speaking person. The English language defines various words and combinations that, when read or heard by an English-speaking person, translate into various meanings that cause the person to do things such as feel embarrassed, go to the store to buy some milk, or put on pants. The programs you write in PHP (the programming language) cause the PHP interpreter to do things such as talk to a database, generate a personalized web page, or display an image.

PHP is called a server-side language because, as Figure 2 illustrates, it runs on a web server.

Languages and technologies such as JavaScript and Flash, in contrast, are called client-side because they run on a web client (like a desktop PC). The instructions in a PHP program cause the PHP interpreter on a web server to output a web page. The instructions in a JavaScript program cause Internet Explorer, while running on your desktop PC, to do something such as pop up a new window. Once the web server has sent the generated web page to the client (Step 7 in the Figure 2), PHP is out of the picture. If the page content contains some JavaScript, then that JavaScript runs on the client but is totally disconnected from the PHP program that generated the page.

A plain HTML web page is like the "sorry you found a cockroach in your soup" form letter you might get after dispatching an angry complaint to a bug-infested airline. When your letter arrives at airline headquarters, the overburdened secretary in the customer service department pulls the "cockroach reply letter" out of the filing cabinet, makes a copy, and puts the copy in the mail back to you. Every similar request gets the exact same response.

In contrast, a dynamic page that PHP generates is like a postal letter you write to a friend across the globe. You can put whatever you like down on the page — doodles, diagrams, haikus, and tender stories of how unbearably cute your new baby is when she spatters mashed carrots all over the kitchen. The content of your letter is tailored to the specific person to whom it's being sent. Once you put that letter in the mailbox, however, you can't change it any more. It wings its way across the globe and is read by your friend. You don't have any way to modify the letter as your friend is reading it.

Now imagine you're writing a letter to an arts-and-crafts-inspired friend. Along with the doodles and stories you include instructions such as "cut out the little picture of the frog at the top of the page and paste it over the tiny rabbit at the bottom of the page," and "read the last paragraph on the page before any other paragraph." As your friend reads the letter, she also performs actions the letter instructs her to take. These actions are like JavaScript in a web page. They're set down when the letter is written and don't change after that. But when the reader of the letter follows the instructions, the letter itself can change. Similarly, a web browser obeys any JavaScript commands in a page and pops up windows, changes form menu options, or refreshes the page to a new URL.

CHAPTER 4

SYSTEM DESIGN

Design begins when management approves the feasibility study produced during detailed analysis and authorizes the necessary funds and personnel to continue. It concludes when management approves the design and authorizes development of the actual system.

The responsibility of all persons involved with the new system, including end-user, computer operators and support personnel. Scan the full spectrum of system components, including input of data to distribution of output or results. Roles are often stated in the form of procedures.

The system design is a process through which the user requirement regarding keeping track of transactions, manipulating, updating, querying and getting reports are being met by designing software. The step involved in design phase were.

- The functions performed were identified.
- The input, output and file design were performed.
- The system and component test requirements were specified.



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4.1 USE-CASE DIAGRAM

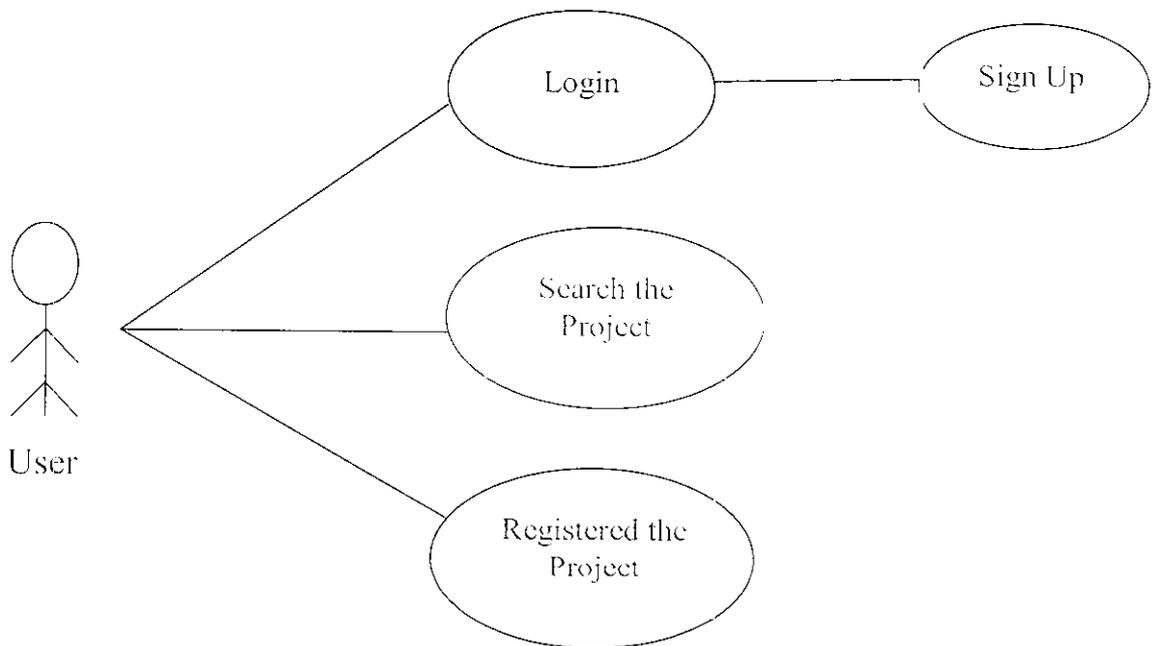
A use case diagram is a type of behavioral diagram defined by the Unified Modeling Language (UML) created from a use case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals represented as use cases and any dependencies between those use cases.

Actors

This system will be used by the following actors:

1. Admin
2. User
3. Guest

4.1.1. User Login Use Case:



Brief Description

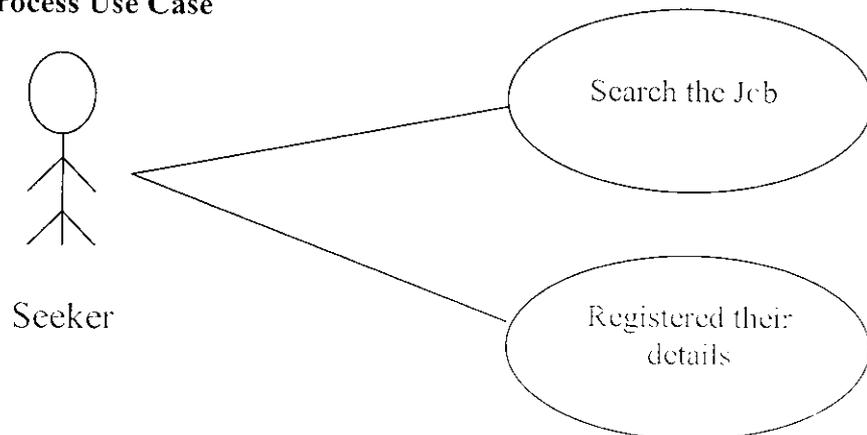
The User access the Barcindia Website, searches for project and then register for the project if applicable.

Initial Step by Step Description

Before this use case can be invited, the User has already accessed the Barcindia Website.

1. The User searches the project in this website.
2. The system displays the project list to the User.
3. The users select the project.
4. The users register for the desired projects.
5. The system response their applications.

4.1.2. Seeker Process Use Case



Brief Description

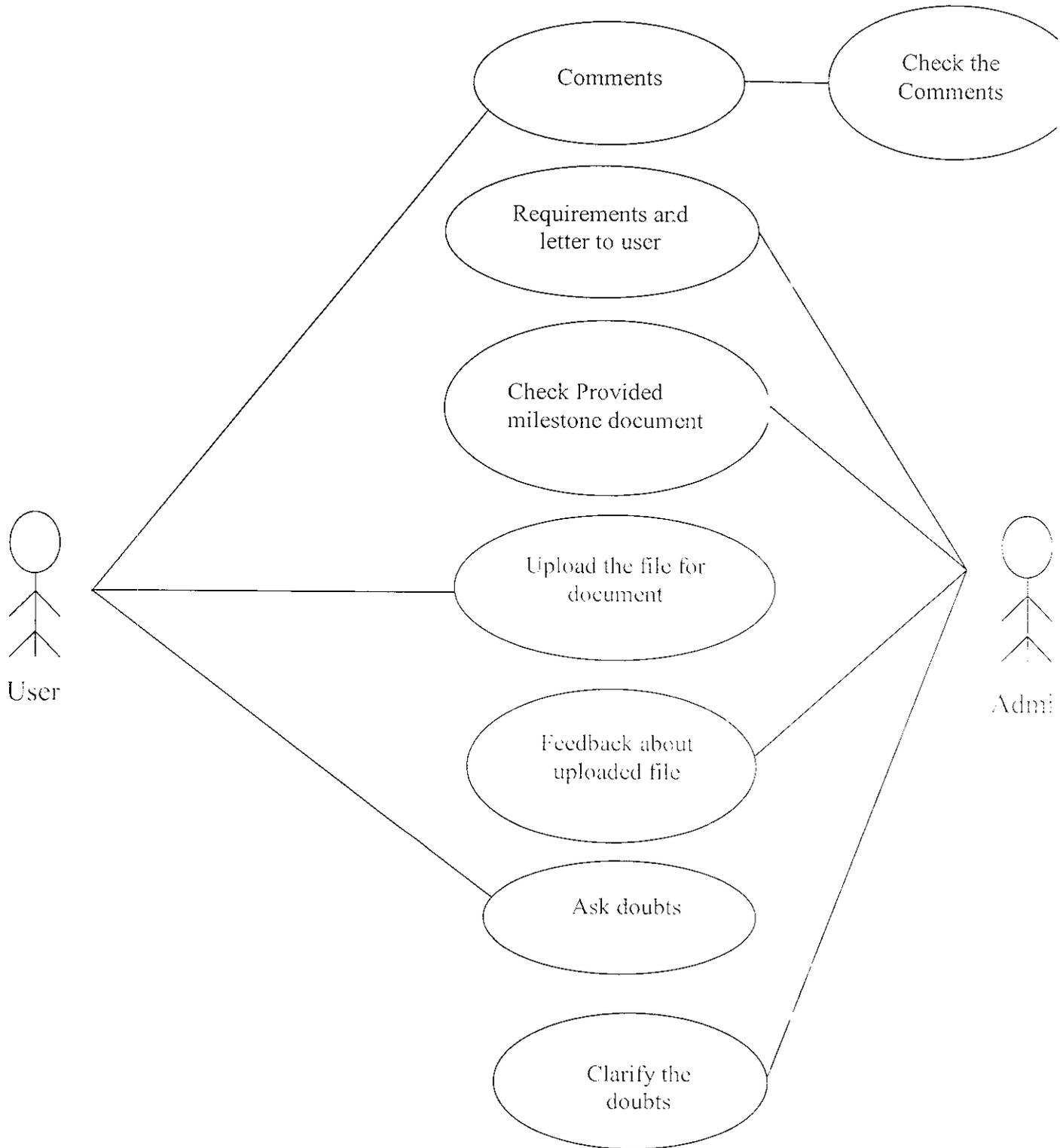
The job seeker enters into Online Job Portal Website, searches for a jobs and also company information.

Initial Step by Step Description

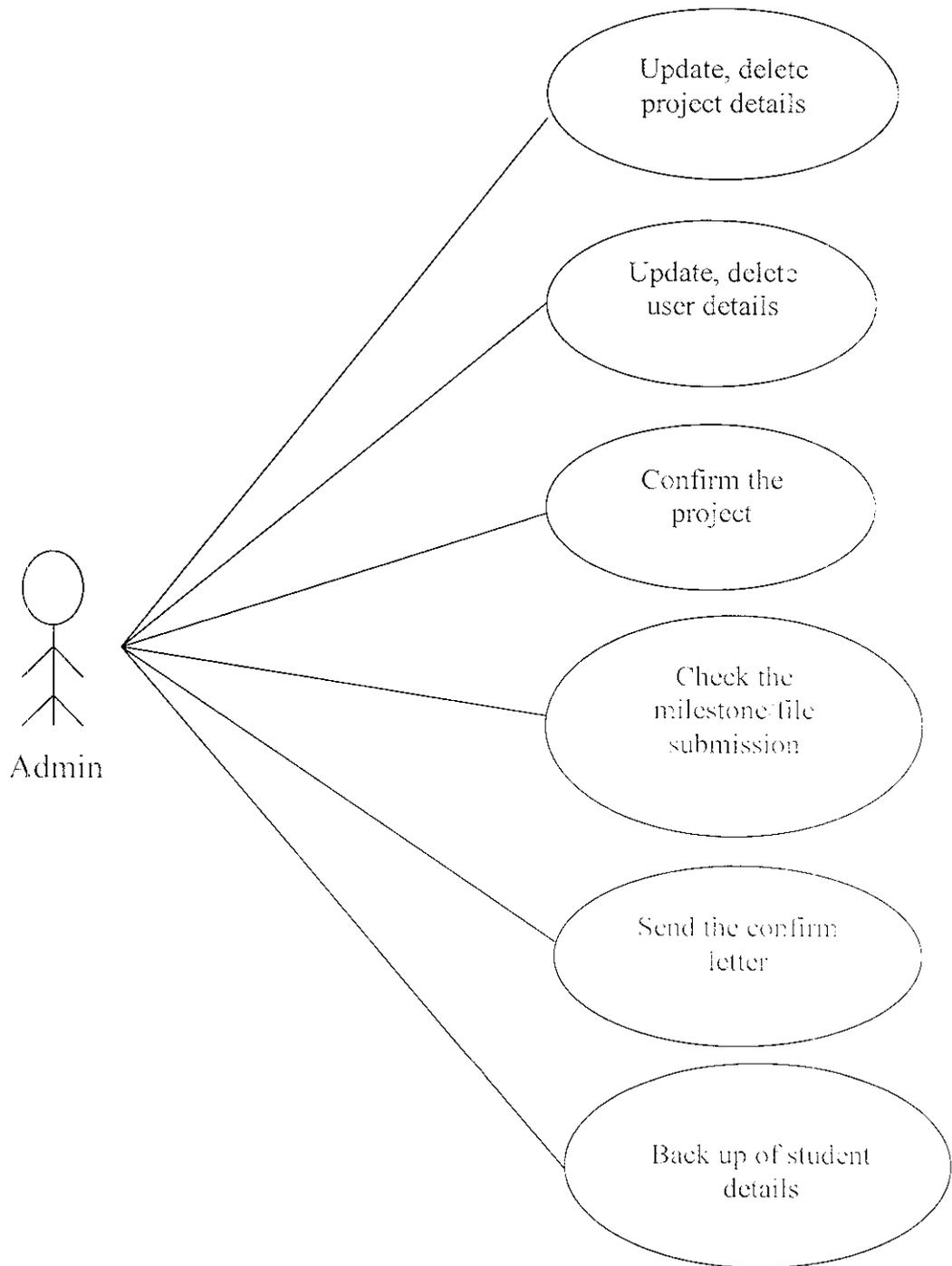
Before this use case can be invited, the job Seeker has already accessed the Barcindia Website.

1. The Job seeker searches the job in the website.
2. The system presents the job details to the seeker.
3. The job seeker enters the details about him/her.
4. The system response for the seeker.

4.1.3. Project Process Use Case



4.1.4. Admin Use Case



Brief Description

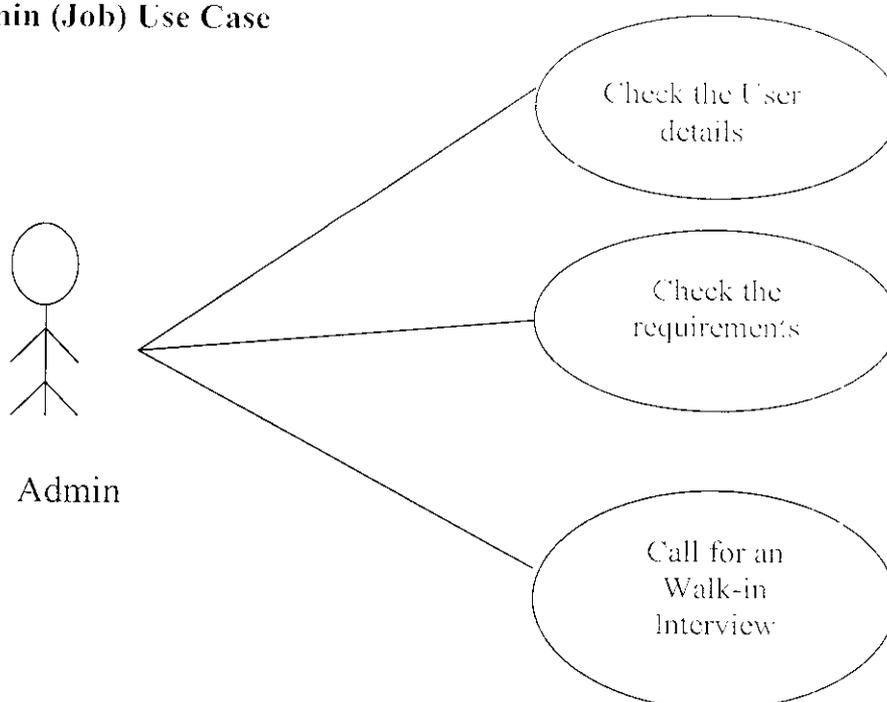
The user project process is shown, the user can send comments and the admin response for the user comments and the user upload the project files and the admin check that file and the user can ask their doubts through online. The admin only maintain a entire system.

Initial Step by Step Description

Before this use case can be invited , the user has already accessed the Barcindia Website.

1. The user can upload the project files.
2. The System shows the user previous files if they uploaded already.
3. The admin give feedback about the user uploaded file.
4. The user can ask doubts about project .
5. The admin clarify the user doubts through internet.
6. The admin can update, del project and user details.
7. The admin only confirm the project for the user.
8. The admin check the milestone/file submission.
9. The admin only send the letter and requirements to the user through online.
10. The admin can take backup of user details.

4.1.5. Admin (Job) Use Case



Brief Description

The Admin check the seeker details and check the job requirements. The job seeker has the qualification for that job means that seeker call for a walk-in Interview.

Initial Step by Step Description

Before this use case can be invited, the job Seeker has already accessed the Barcindia Website.

1. The admin entered and check the job requirements details.
2. The system presents the details about the seeker.
3. The admin only can proceed that checking details about job seeker.
4. If the job seeker has the qualification for that job, the admin call the job seeker for walk-in Interview.

Following is a list of functionalities of the system. More functionality that you find appropriate can be added to this list. And, in places where the description of functionality is not adequate, you can make appropriate assumptions and proceed.

1) The system has the following type of users:

- 1) End-Users.
- 2) System administrator.

2) The Users can perform the following tasks:

End-Users:

- User and Guest both are come under here.
- User entered their information for register the project.
- User can ask doubts and can give comments about the project and website.
- Guest can view the some pages only that is, FAQ and the guest can give comments about the website.

System Administrator:

- System Administrator only maintains the entire system.

- Administrator only can check the user details and allocate the project for the user.
- Admin can clarify the user doubts in the project through online.
- System administrator only calls the job seeker for the interview.

3) The System has following Interfaces,

1) Login

- a) End-User
- b) System Administrator

2) Interface for filling up the following information

- a) User – Personal Information, credit details.
- b) Job Seeker – Educational, Skill sets, personal details

3) Interface for searching a user on various attributes.

4) Logout

4) Come up with the database design. The Login to the system is database driven that is a user will be allowed to access the system if and only if he/she is the valid user of the system.

4.2 ELEMENTS OF DESIGN

4.2.1 Input Design

Input design is a process of converting the user-originated inputs into the computer-based format. The goal of designing input data is to make the automation as easy and free from errors as possible. The requirements of input design such as user friendliness, consistent format and interactive dialogues for giving the right message and help for the user at right time are also considered for the development of the project.

Major activities that come under this design are:

- Providing certain limitations to users while entering data.
- Checking data entered by the user.
- Converting the verified data in to computer acceptable format.

The inputs forms used in this system are:

a. User login page:

It allows the existing users to log on the site and to create new login for new users.

b. Project page:

This page will show the available projects and the user can choose the project.

c. Phase page:

The user can upload their files which is related to their project.

d. Comments page:

It allows the users to provide their comments and ask their doubts to admin and to other users.

e. Guest Feedback page:

This page allows the guest to enter their feedback about our website.

f. Admin main page:

It includes admin login which allows admin to update the projects and manage user accounts and check the user uploaded files and view the reports.

g. Job seeker page:

This page shows the available job details in our company. the seeker can register their details in this page.

4.2.2 Output Design

The Output is mainly used to communicate with the user, processing the input data given by the user. It is documented in each stage of the project to ensure error free output. The output screens are designed in a very simple and easy to understand format. All user options are presented in well-formatted forms. The quality refers to the way by which the output is presented to the user. The output design of the reports is the screens that display the skill gap based on the user uploaded files and job seeker details.

4.2.3 Database Design

A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. During database design analyst studies the data to determine which data will require store on external storage device. Here, the analyst is responsible for designing a control system to prevent tampering with the data stored by the computer. The details about the relevant data for the system are first identified. According to their relationship, tables are designed through following method.

- The data type for each data item is decided.
- The tables are then normalized.

4.2.3.1 Table Structure:

This project has following database tables.

Table Name: Project lists

Primary Key: Pcode

Field Name	Data type	Description
Pcode	Integer	Code of the project
Ptitle	Varchar(50)	Title of project
Frontend	Varchar(50)	Front end of the project
Backend	Varchar(10)	Back end of the project
Time	Integer	Duration of the project
Desc	Varchar(200)	Description of the project
Amount	Float	Amount of the project
Count	Integer	Count used for project allocation

Table Name: User Registration**Primary Key: Userid**

Field Name	Data type	Description
Userid	Integer	User id for the User
Passwd	Varchar(30)	Password for the User
Firstname	Varchar(30)	First Name of the User
Lastname	Varchar(30)	Last Name of the User
Degree	Varchar(30)	Degree of the User
Branch	Varchar(30)	Branch of the User
Areaint	Varchar(200)	Area of Interest of the User
Language	Varchar(200)	Language Skill of the User
College	Varchar(100)	College Name of the User
University	Varchar(200)	University of the User
Degreepercent	Float	Degree Percentage of the User
Hs	Float	Higher Secondary percentage
Sslc	Float	SSLC Percentage
Gender	Varchar(10)	Gender of the User
Mailid	Varchar(40)	Mail Id of the User
Address	Varchar(500)	Address of the User
Mobileno	Integer(10)	Mobile no of the User
Date	Date	Date of User Registration
Question	Varchar(200)	Security Question for the User
Answer	Varchar(200)	Answer for that question

Table Name: User-Project

Field Name	Data type	Description
Userid	Integer(5)	User id of users
Projectid	Integer(5)	Project id of users
DD	Varchar(10)	DD no of the User
Probdef	Date	Problem Definition date
Diagrams	Date	Diagrams date
SRS	Date	SRS date
Scrdesign	Date	Screen Design date
Coding1	Date	First part coding date
Coding2	Date	Second part coding date
Testing	Date	Testing and Documents date

Table Name: Feedback

Field Name	Data type	Description
Name	Varchar(30)	Name of the guest
Emailid	Varchar(40)	Email id of the guest
First name	Varchar(30)	First Name of the seeker

Table Name: FAQ

Field Name	Data type	Description
Language	Varchar(30)	FAQ language
Question	Varchar(40)	Question for FAQ
Answer	Varchar(30)	Answer for FAQ

Table Name: Scheduling**Primary Key: Pcode**

Field Name	Data type	Description
Pcode	Integer	Code of the project
Pd	Integer	Problem definition duration
Diagrams	Integer	Diagrams duration
SRS	Integer	SRS duration
Coding1	Integer	First part coding duration
Coding2	Integer	Second part coding duration
Testing	Integer	Testing and documents duration

Table Name: Pfiledat

Field Name	Data type	Description
Title	Varchar(30)	Title of the phase
Userid	Varchar(40)	User id of users
Ondate	Date	File uploaded date
Subdate	Date	File submission date
File	Long blob	file type
Fname	Varchar(30)	file name

Table Name: Comments

Field Name	Data type	Description
Userid	Varchar(30)	User id of the user
Date	Date	Date of the comments entered
Comments	Varchar(300)	Comments of the user

Table Name: Seeker Registration**Primary Key: Seekerid**

Field Name	Data type	Description
First name	Varchar(30)	First Name of the seeker
Last name	Varchar(30)	Last Name of the Seeker
Qualification	Varchar(30)	Qualification of the seeker
Degreepercent	Float	Degree Percentage of the User
Hs	Float	Higher Secondary percentage
Ssle	Float	SSLC Percentage
Gender	Varchar(10)	Gender of the User
Address	Varchar(50)	Address of seeker
Mothertongue	Varchar(20)	Mother tongue
Mobileno	Integer(10)	Mobile no of the seeker
landlineno	Integer(20)	Landline no of seeker
Resumeaddr	Varchar(50)	Address of posted resume

4.2.4 Modular Design

This System has three main modules such as,

- User module
- Project creation and processing modules
- Jobs modules

User Module:

This module has login form for the existing user and the user can create the account. The user can choose the project and should enclose the bonafide certificate for do the project. The user can upload their files in phase form. Automatically warning mail send by this phase form. The user can provide their comments for the next user and can ask doubt in comment page.

Project creation and processing Module:

This module has project details for create and update the project list and this module has validate registration form for check the user registration details and allocate the project for the users and it has validate file form for check the user uploaded file and check the user details. The admin can send mail to the users. This module has faq question page and the questions are entered by the admin.

Jobs Module:

Jobs module has carrier page for job seeker registered their details and their details are verified by the admin and call them for walk in Interview.

CHAPTER 5

SYSTEM TESTING AND IMPLEMENTATION

5.1 SYSTEM VERIFICATION

Verification testing checks whether the product development is moving towards the actual product needed by the customer requirements and specification.

Verification is done in a step by step process.

In the Web based project management system, verification was done during the development itself. Each database bindings are verified after binding to test whether the control is bound to the right data field.

5.2 SYSTEM VALIDATION

Validation testing is done to ensure whether the work steps and deliverables during the project are acceptable. It verifies whether right data is being accessed and performs the functions properly.

In the Web based project management system, the user registration and carrier registration and all pages validated. Validation is performed after a work product is produced against established criteria ensuring that the product integrates correctly into the environment.

It determines the correctness of the final software product by a development project with respect to the user needs requirements.

5.3 TESTING

Testing is executing a program to test the logical changes needed in it and with intention of finding errors. Tests are conducted to find discrepancies between the new system and its original objective, current specifications and documents.

5.3.1 Unit Testing

In unit testing, we have to test the program making up the system. Unit testing focuses first on the modules independently of one another, to locate errors. This enables within that module alone.

In this project, each page was tested separately as a unit. The flow of control and data through that page was tested. Each page is tested with the previously prepared test cases to find cases to find errors in the page. After rectifying the errors, once again it was tested to ensure whether there was no error.

5.3.2 Integration Testing

Data can be lost across any interfaces. Once module can have an adverse effect on another, sub functions when combined, may not produce the desired major functions. Integrations testing for conducting tests to uncover errors associated within the interface. The objective is to take unit-tested module and build a program structure. The entire module are combined and tested as whole.

In Web based project management System, top down integration testing was followed. In this system, for example, first the user should give the name of valid username. If the user name is not valid this will show the label as "This username invalid". This process is continued from the page level to module level and finally the whole system is tested.

5.3.3 Output Testing

Asking the users about the format required by them tests the outputs generated by the system under consideration. It can be considered in two ways. One on the screen and the others is printed format. The output format on the screen is found to be correct as the format designed in the system design. Output testing was done and it did not result in any change or the correction in the system.

5.3.4 Acceptance Testing

The acceptance is the final stage of testing phase. The user does this. The developed project is given to user and test the system with live data. The various possibilities of the data are entered and response from the system is tested.

5.4 SYSTEM IMPLEMENTATION

The implementation of the “Web based Project Management System” involves the individual programming, system testing, user training and the operational running of developed system that application subsystems. One major task of preparing for implementation is project management, which should really have taken place much earlier in the project when they were being involved in the investigation and design work.

The implementation phase of software development is concerned with translating design specifications into source code. The developed system is tested by the user and changes are made according to their needs.

A crucial phase in the system life cycle is the successful implementation of the new system design. Implementation simply means converting a new system design into operation.

The User Authentication module and Jobs Module has very useful to the users and job seekers. Then the Users can view their uploaded files and the user can get the mail from admin.

This involves,

- The user can upload their files through network and stored in the server.
- The user can communicate with another user through network.
- Admin can verify the user details and allocate the project and check the user uploaded file whether it's correct or not.

CHAPTER 6

CONCLUSION AND FUTURE ENHANCEMENT

6.1 CONCLUSION

The application developed and designed in such a way that any further enhancements can be done with ease. The system has the capability for easy integration with other systems. New modules can be added to this system with less effort.

The system has been found to work effectively and will be implemented in short period of time. Proper documentation is provided. The end user can easily understand how the whole system is implemented by going through the documentation. The module developed would be friendly and does demand a little computer knowledge to work.

The system has been keeping in mind all the given possible conditions and found to work efficiently and effectively.

6.2 FUTURE ENHANCEMENT

“Web based project management System” will be enhanced further with the following features:

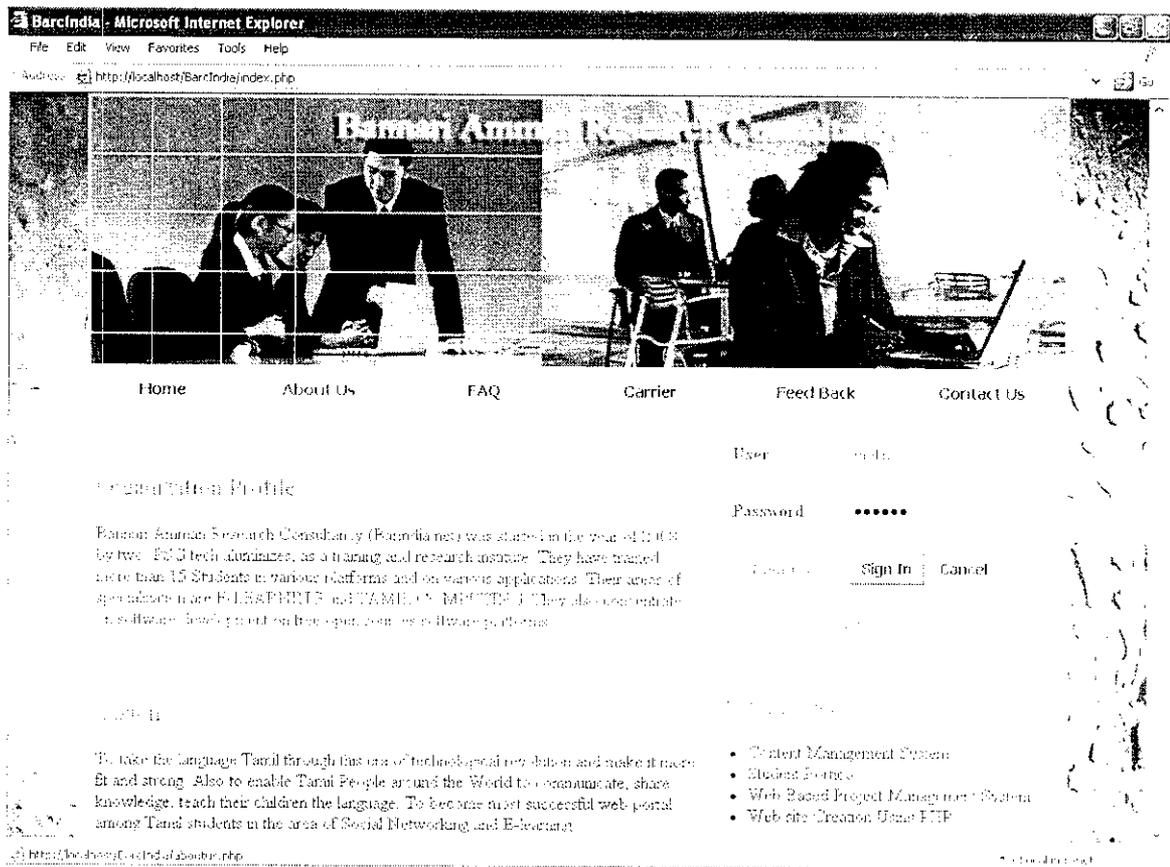
- By developing Chat Service users can speak with one another through this system.
- Job portal will develop for all type of degree holders.

CHAPTER 7

APPENDIX

7.1 SCREEN SHOTS

Home Page:



About Us:

BarcIndia - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://localhost/BarcIndia/aboutus.php

BarcIndia - Social Networking and E-learning

Home About Us FAQ Carrier Feed Back Contact Us

About us:

We are a research consultancy mainly involved in development of software on Tamil Computing that is on multi lingual software development. We are one of the pioneering company specializing in Social Networking and E-learning in multi-lingual capacity. We believe that our research will be helping the people speaking a second language. Our founder CEO Dr. A.Muthukumar is a recognized Ph.D., M.S., Supervisor at Anna University, Coimbatore.

Social Networking and E-learning

Social networking (SN) has large webpage hits in recent times. People of all age groups, especially the young are using SN most widely. Even though the language for communication is in English, there are some SN in regional languages. Our aim is to develop SN in a regional language like Tamil. Since Tamil is spoken in India, Sri Lanka, Singapore, Malaysia and other parts of the world by the Tamil Diaspora, we believe that the need of such application is immediate. This will enable the people to

Feedback :

BarcIndia - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://localhost/BarcIndia/feedback.php

BarcIndia - Social Networking and E-learning

Home About Us FAQ Carrier Feed Back Contact Us

Feedback

Feel free to give your feedback

Name

Email ID

Feed Back

Submit Reset

Carrier page:

Barcinda - Windows Internet Explorer
http://localhost/Barcinda/Carrier.php

Barcinda



[Home](#) [About Us](#) [FAQ](#) [Carrier](#) [Feed Back](#) [Contact Us](#)

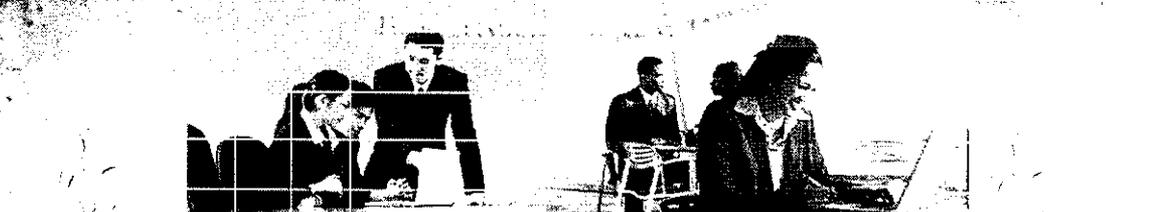
Register your details below.... You will have an Interview if you get qualified.

First Name	Shalini
Last Name	Walu
Degree	B.E
Branch	computer science
Area of Interest	C++, java
Software Skills	php, oracle
Address	437022
Mother Tongue	hindi
Mobile No	9214224422
E-mailing No	5555666

FAQ page:

Barcinda - Windows Internet Explorer
http://localhost/Barcinda/FAQ.php

Barcinda



[Home](#) [About Us](#) [FAQ](#) [Carrier](#) [Feed Back](#) [Contact Us](#)

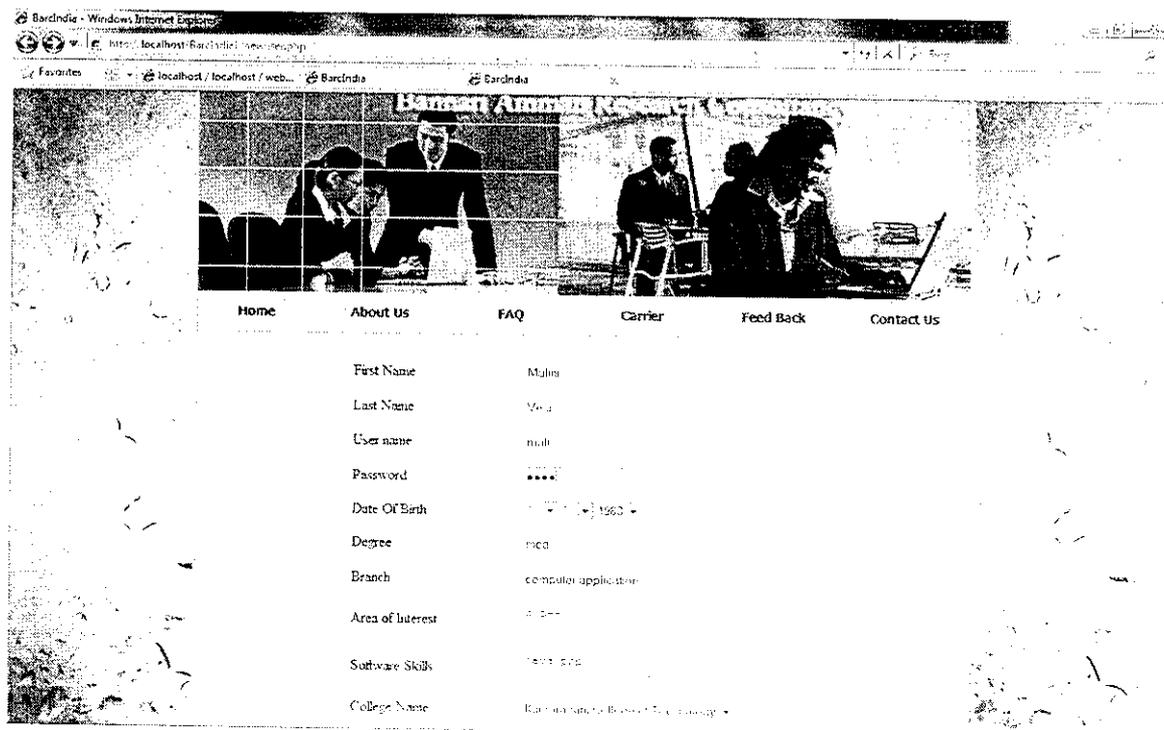
Question: What is php?

Answer: PHP is a server-side scripting language designed especially for the Web. With an HTML page, you can embed PHP code that will be executed each time the page is visited.

Copyright Reserved by Barcinda. 2010

User pages:

Registration page:

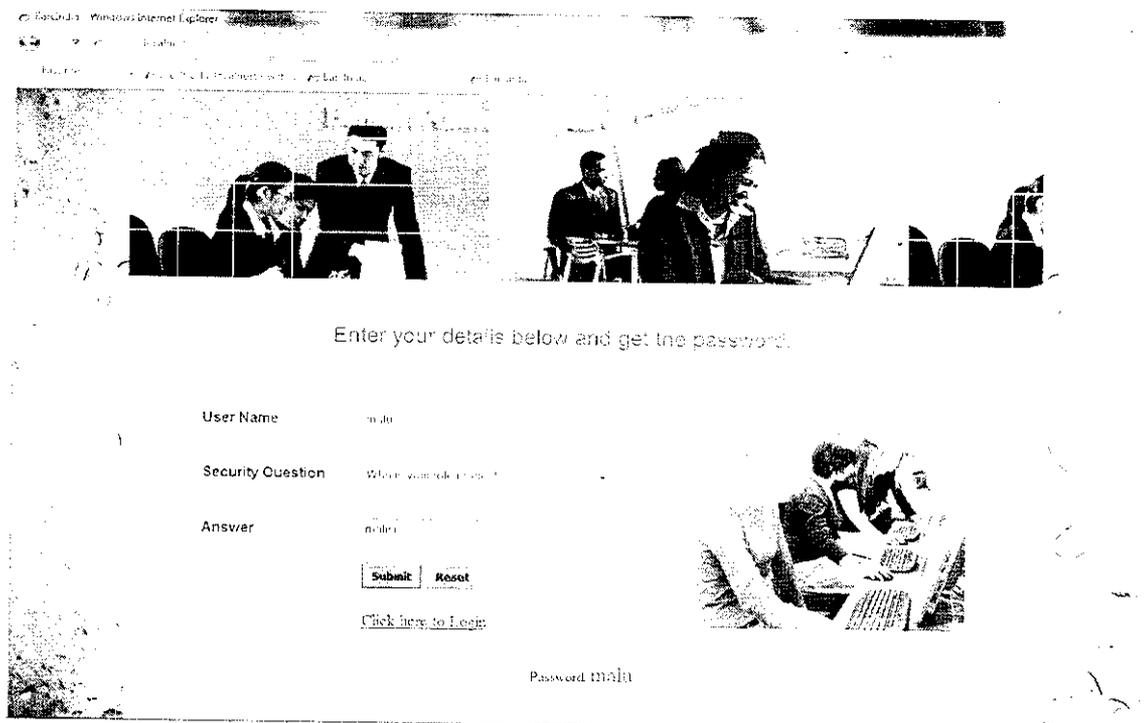


Bardonia - Windows Internet Explorer
http://localhost/Bardonia/registration.php

Home About Us FAQ Career Feed Back Contact Us

First Name: Mahn
Last Name: Maha
User name: maha
Password: *****
Date Of Birth: 11/11/1983
Degree: mca
Branch: computer application
Area of Interest: *****
Software Skills: java, c++
College Name: Bardonia Institute of Technology

Forgot Password page:



Bardonia - Windows Internet Explorer
http://localhost/Bardonia/forgotpassword.php

Home About Us FAQ Career Feed Back Contact Us

Enter your details below and get the password.

User Name: maha
Security Question: What is your mother's name?
Answer: maha

Submit Reset

[Click here to Login](#)

Password: maha

Project List:

Project List Phase List Down Load Comments

[Log Out](#)

Welcome mah

Project Code	Project Title	Front End	Back End	Amount	Duration in Month	Description
1	E-Shop	Asp.Net	Sql Server	2000	6	Create online shopping

Project Code:
 DD No:
 Bouafide Certificate: [Browse...](#)

Copyright Reserved by BarcIndia

Phase List:

Project List Phase List Down Load Comments

[Log Out](#)

Welcome mah

Phase Name	Start Date	End Date	Download
Problem Definition	2010-05-25	2010-06-01	Upload
Diagrams	2010-05-27	2010-06-01	Upload
SRS	2010-06-01	2010-06-01	Upload
Screen Design	2010-07-01	2010-07-01	Upload
Coding Part One	2010-08-15	2010-08-15	Upload
Coding Part Two	2010-09-02	2010-09-02	Upload
Testing and Documents	2010-11-01	2010-11-01	Upload

Copyright Reserved by BarcIndia

Download page:

Barclada - Windows Internet Explorer
http://localhost/Barclada/...
localhost / localhost / web... / Barclada

Project List Phase List Down Load Comments
Log Out

Welcome malu.

Certificate

Reference
[PHP and MySQL tutorial](#)
[Online tutorial for Synching Online tutorial for PHP](#)

Uploaded Files
Problem Definition malu datadictionary.doc 2010-05-05

Request Files:

Copyright Reserved by Barclada

Comment Page:

Barclada - Windows Internet Explorer
http://localhost/Barclada/...
localhost / localhost / web... / Barclada

Project List Phase List Down Load Comments
Back Log Out

Welcome malu.

Submit Your Comment Here

Post Cancel

Your comment is added successfully.

Other Users Comments

User Name	Posted Date	Comments
malu	2010-05-05	How to use email function in php?

Admin Pages:

Add a new Project:

The screenshot shows the 'Admin Page' of the Bannari Amman Research Consultancy. The page has a navigation menu with the following items: Report, Project Update, Validate User Reg, Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. Below the menu is a form for adding a new project. The form fields are as follows:

Project Code	
Project Title	E-Shop
Front End	Asp.net
Back End	Sql Server
Duration	6
Description	Online shopping
Amount	5000

At the bottom of the form, there are two buttons: 'ADD' and 'Reset'.

Add a new Scheduling date:

The screenshot shows the 'Admin Page' of the Bannari Amman Research Consultancy. The page has a navigation menu with the following items: Reports, Project Update, Validate User Reg, Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. Below the menu is a form for adding a new scheduling date. The form fields are as follows:

Project Code	
Problem definition	02
Diagram	01
SRS	01
Screen Design	01
Code	01
Testing & Document	01

At the bottom of the form, there are two buttons: 'ADD' and 'Reset'.

Update a project details:

The screenshot shows a web browser window with the URL `http://localhost:8080/BannariAmman/updates/modifyProjectDetails.jsp`. The page title is "Bannari Amman Research Consultancy Admin Page". The navigation menu includes: Report, Project Update, Validate User Reg, Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. A "Log Out" button is also present. The form contains the following fields:

Select Project Code	- Select -
Project Title	E-Shops
Front End	App Net
Back End	Sql Server
Duration	6
Description	Create online shopping
Cost	0
Amount	2000

At the bottom of the form, there are "UPDATE" and "Reset" buttons. The status bar at the bottom indicates "All Rights Reserved © 2012".

Delete a project details:

This screenshot is identical to the one above, showing the "Project Update" form in the "Bannari Amman Research Consultancy Admin Page". The form fields and navigation elements are the same as described in the previous block.

Validate User Registration Details:

The screenshot shows a web browser window titled "BarcIndia - Windows Internet Explorer" with the address bar displaying "http://localhost:BarcIndia/validate.php?userdetails". The page content includes a navigation menu with items: Reports, Project Update, Validate User Reg (highlighted), Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. Below the menu, there are buttons for "Back" and "Log Out".

The main section is titled "User Registration Details" and contains a table with the following data:

User	Area of Interest	Language Known	Pcode	Title	DD NO	Date
malu	c c++	java php	1	E-Shop	623453	2010-05-05

Below the table, there is a form for "User Registration Details" with fields for "User Name" (a dropdown menu), "Bonafide Certificate" (with a "query.txt" file selected), and "Certificate" (with a "Browse..." button). A "Submit" button is located below these fields.

There is also a section titled "Change the Project for Particular User" with fields for "User Name" (a dropdown menu) and "Project Code" (a dropdown menu), followed by an "Update" button.

Validate File:

The screenshot shows a web browser window titled "Web Based Project Management" with the address bar displaying "http://localhost:Web Based Project Management/validate.php?filedetails". The page content includes a navigation menu with items: Project Update, Validate User Reg, Validate File (highlighted), Validate Job Reg, Visitors Tracking, Feed Back, FAQ, and Report. Below the menu, there are buttons for "Back" and "Log Out".

The main section is titled "Validate File" and contains a form with fields for "File Name" (with a dropdown menu), "User Name" (with a dropdown menu), "Email ID", and "Comment". There are "Send" and "Cancel" buttons below the form.

Below the form, there is another section with fields for "User Name" (with a dropdown menu) and "File" (with a "Browse..." button), followed by a "Submit" button.

Visitors Tracking Page:

The screenshot shows a web browser window with the URL `http://localhost/Bannari/2010/05/05/visitors_tracking.php`. The page title is "Bannari Amman Research Consultancy Admin Page". A navigation menu includes: Report, Project Update, Validate User Reg, Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. A "Log Out" button is visible below the menu. The main content area displays a table with the following data:

First Name	Last Name	Users	Qualification	College Name	University
Malini	Velu	malu	mca	Kumaraguru College of Technology	anna university

Below the table, there are input fields for "User Name", "Phase Name", and "Days", along with a "Select" dropdown, a "Problem Definition" text area, and an "Update" button.

Feedback page:

The screenshot shows the same web browser window with the URL `http://localhost/Bannari/2010/05/05/feedback.php`. The page title is "Bannari Amman Research Consultancy Admin Page". The navigation menu is identical to the previous page. The main content area displays a table with the following data:

Name	Email	FeedBack
sumathi	sumathi@gmail.com	good

Below the table, there are input fields for "Users", "Date", and "Comment", along with an "Update" button.

Validate Seeker Registration details:

Bannari Amman Research Consultancy
Admin Page

Report Project Update Validate User Reg Validate File Validate Job Reg Visitors Tracking Feed Back FAQ

[Log Out](#)

Seeker Registration Details

Name	Degree	Branch	Area of Interest	Language Known	Address	Mother Tongue	Mobile no	Landline no
Shahmiveh	BE	computer science	C++ java	php oracle	konar	tamil	9844324432	2831562

FAQ page:

Bannari Amman Research Consultancy
Admin Page

Report Project Update Validate User Reg Validate File Validate Job Reg Visitors Tracking Feed Back FAQ

[Back](#) [Log Out](#)

Java
Question

Answer

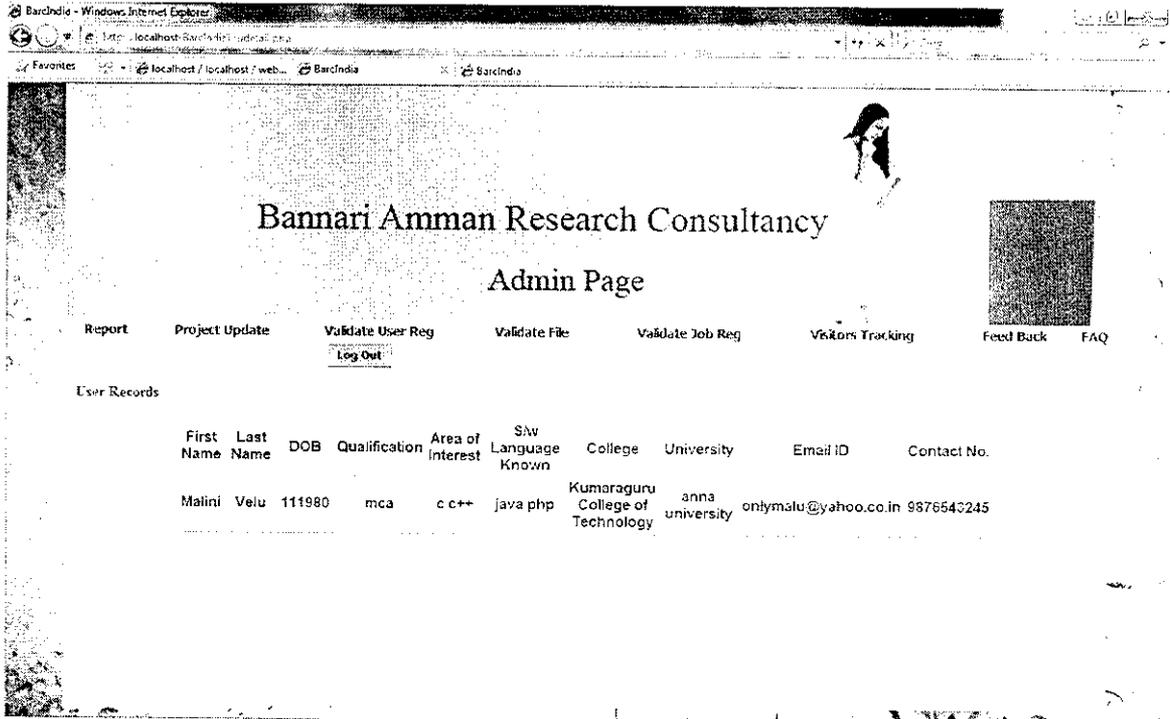
[Submit](#) [Cancel](#)

Php
Question

Answer

Reports:

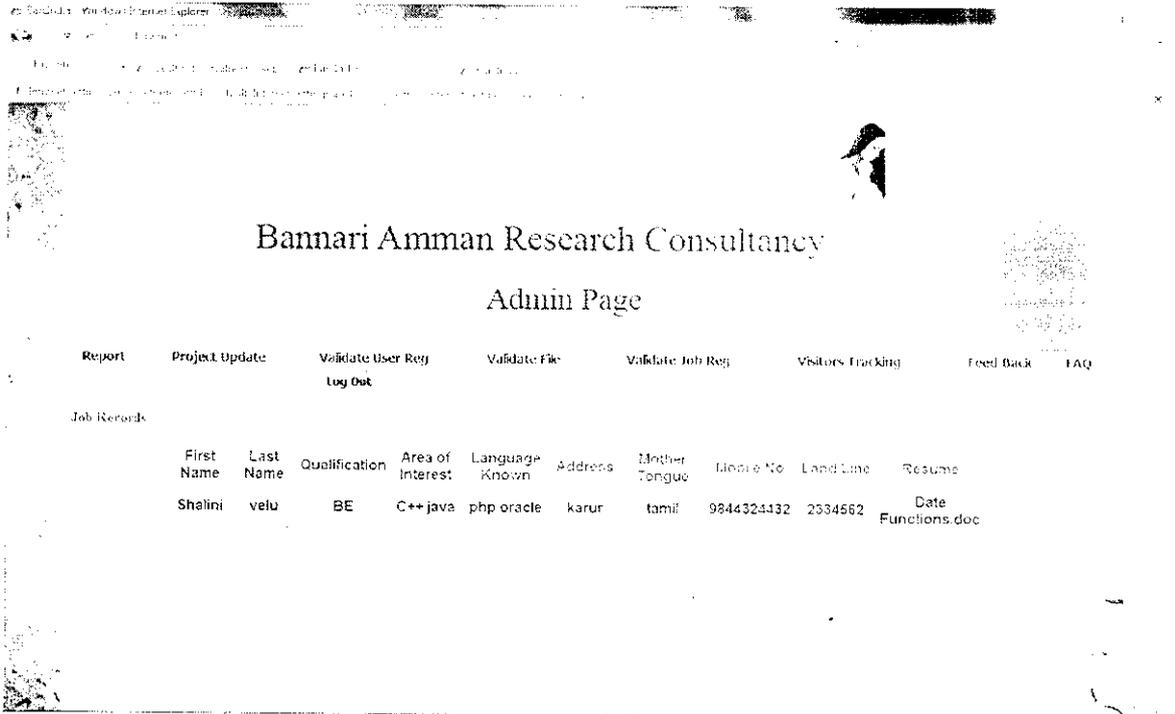
User Record:



The screenshot shows the 'Admin Page' of Bannari Amman Research Consultancy. The page has a navigation menu with the following items: Report, Project Update, Validate User Reg (with a sub-link 'Log Out'), Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. Below the menu, there is a section titled 'User Records' containing a table with the following data:

First Name	Last Name	DOB	Qualification	Area of Interest	SW Language Known	College	University	Email ID	Contact No.
Malini	Velu	111980	mca	c++	java php	Kumaraguru College of Technology	anna university	onlymalu@yahoo.co.in	9876543245

Job Record:



The screenshot shows the 'Admin Page' of Bannari Amman Research Consultancy. The page has a navigation menu with the following items: Report, Project Update, Validate User Reg (with a sub-link 'Log Out'), Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. Below the menu, there is a section titled 'Job Records' containing a table with the following data:

First Name	Last Name	Qualification	Area of Interest	Language Known	Address	Mother Tongue	Mobile No	Land Line	Resume
Shalini	velu	BE	C++ java	php oracle	karur	tamil	9844324432	2534562	Date Functions.doc

User Upload Report:

The screenshot shows the 'Admin Page' of Bannari Amman Research Consultancy. The navigation menu includes: Report, Project Update, Validate User Reg, Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. The 'User Uploaded Files' section contains a table with the following data:

Phase Name	Ondate	Submitted Date	File Name
Problem Definition	2010-05-15	2010-05-05	datadictionary.doc

User Scheduling Date Report:

The screenshot shows the 'Admin Page' of Bannari Amman Research Consultancy. The navigation menu includes: Report, Project Update, Validate User Reg, Validate File, Validate Job Reg, Visitors Tracking, Feed Back, and FAQ. The 'User Scheduling Date Details' section contains a table with the following data:

Project Code	1
DD Number	62-05-1
Problem Definition	2010-05-15
Diagrams	2010-05-30
SRS	2010-06-15
Screen Design	2010-07-04
Coding First Part	2010-08-18
Coding Second Part	2010-10-02
Testing and Documents	2010-11-01

CHAPTER 8

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