

**Job portal**

**A PROJECT REPORT**

*Submitted by*

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

**BACHELOR OF ENGINEERING**

*in*

**Computer Engineering**

**Government Engineering College, Rajkot**



**Gujarat Technological University, Ahmedabad**

**[04, 2022]**



**Government Engineering College, Rajkot**

**Mavadi-Kankot Road, Rajkot, Gujarat**

## **CERTIFICATE**

This is to certify that the project report submitted along with the project entitled **job portal** has been carried out by **Chavda Manan Kamleshbhai** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in Computer Engineering, 8<sup>th</sup> Semester of Gujarat Technological University, Ahmadabad during the academic year 2021-22.

Dr. Mahesh D. Titiya

Internal Guide

Dr. Chirag S. Thaker

Head of the Department



## **Government Engineering College, Rajkot**

**Mavadi-Kankot Road, Rajkot, Gujarat**

# **DECLARATION**

We hereby declare that the Internship / Project report submitted along with the Internship / Project entitled **job portal** submitted in partial fulfillment for the degree of Bachelor of Engineering in Computer Engineering to Gujarat Technological University, Ahmedabad, is a bonafide record of original project work carried out by me at Government Engineering College, Rajkot under the supervision of Dr. Mahesh D. Titiya and that no part of this report has been directly copied from any students' reports or taken from any other source, without providing due reference.

Name of the Student

Sign of Student

1      Chavda manan kamleshbhai

\_\_\_\_\_

## ACKNOWLEDGEMENT

Every work that is completed successfully in time stands on the encouragement, goodwill and support of people around. Through this, I would like to express our gratitude to all those who have contributed support and valuable guidelines during the period of project.

I would like to thank my guide **Dr. Mahesh D. Titiya** for their guidelines and for being a constant source of inspiration to do something creative, innovative and encouragement in carrying out this project work.

I would like to express my gratitude towards staff members of Computer Engineering Department, Government Engineering College - Rajkot for their kind co-operation and encouragement which helped us in completion of this project.

## ABSTRACT

*Name of the project is "job portal". It is a website that help the people who are finding the job. Interested people will enter their information such as their academic record, skills and so on. On the other hand, the companies which are posting jobs for recruitment will specify eligibility criteria, salary provided by the company and so on.*

*This website will also maintain a database in which the information about candidate and company is stored. The best purpose of the database to provide a best match of employee-company to enhance usability.*

*When the company posts the jobs then candidates will receive the list of related jobs as per profile. when candidates apply on a post then company receive the application and further action will be taken by changing the status.*

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## Abbreviations

<b>HTML</b>	<b>Hypertext Markup Language</b>
<b>CSS</b>	<b>Cascading Style Sheets</b>
<b>JS</b>	<b>JavaScript</b>
<b>RDBMS</b>	<b>Relational Database Management System</b>
<b>E-R Diagram</b>	<b>Entity Relationship Diagram</b>
<b>XAMPP</b>	<b>X (cross platform), Apache, MySQL, PHP, Perl</b>



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# **1. Introduction**

## **1.1 Summary:**

The website is to maintain data, provide platform to company and candidates for best match, it will also simplify the process of the recruitment between candidates and companies. Job portal a website that help the people who are finding the job. Interested people will the information such as their academic record, skills and apply to companies.

It can also be use as career development website with clean and clear user looks and fill of the website.

The website is to maintain data, provide platform to company and candidates for best match, it will also simplify the process of the recruitment between candidates and companies.

## **1.2 Purpose:**

The purpose of this website to get jobs to candidates in qualified companies and to recruit the candidates to companies on bases of the job profile of candidates.

This website holds the database in which information about the candidate and companies are stored.

It can also solve the purpose of the large community to get their jobs and explore best match opportunity.

This website is helpful to reduce the unemployment and saving time of the candidate and companies. Whereas giving adds in the newspaper by the company for the recruitment.

## **1.3 Objective:**

The objective of this website is to provide an opportunity & sufficient information to candidates to get the job according to job profile, designation and so on.

In this website the data of job profile with sufficient information and provided and candidates can apply to the companies.

The objective is to provide best match jobs to candidates and best candidates to the companies as well.

To provide transparency between jobs and candidates with right details and best match.

## **1.4 Scope:**

### **Candidate:**

Registered candidates can edit profile.

Registered candidates can search the jobs as per location.

Registered candidates can see the list of applied companies.

Registered candidates can view the status and logout the account

Registered candidates don't able to make post and change status.

Registered candidates don't have right to manipulate companies.

### **Company:**

Registered companies can edit profile.

Registered companies can logout the account.

Registered companies can post jobs and change the status.

Registered companies don't able to delete candidates data.

Registered companies can see posted jobs and applied candidates.

Registered companies don't able to manipulates candidates data.

### **Admin:**

Admin can see list of entire registered companies.

Admin can see list of entire registered candidates.

Admin have full accessibility of the website & manages the website.

Admin can see all the jobs posted by companies and applied candidates on jobs.

## 1.5 Tools and technology Used:

### Technology used:

- MySQL.
- PHP

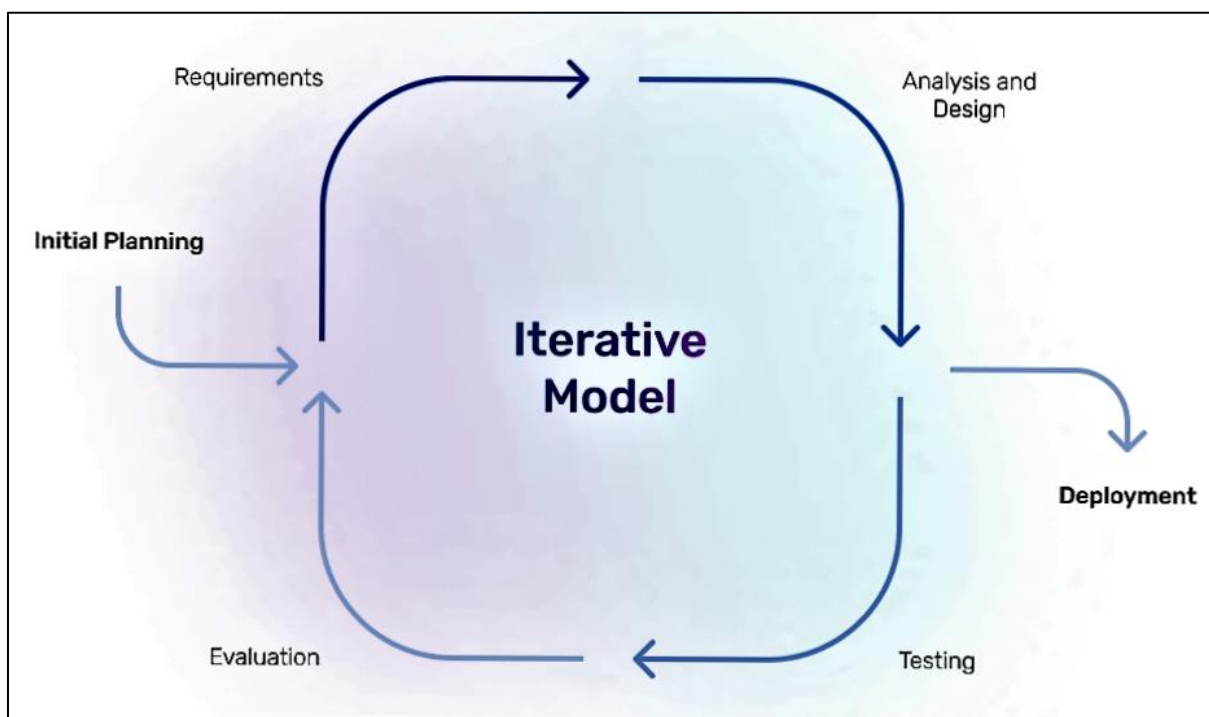
### Tools used:

- XAMPP
- Vscode editor.

## 1.6 Project Planning:

### 1.6.1 Project Development Approach and Justification:

#### Iterative Model:



**Description:** In this model, iterative process is begun with the basic implementation of specific set of requirements that iteratively improves and developing the software until the entire system is ready for deployment. the total software development is divided into iterations and each iteration has design, development, testing and evaluation.

**Requirement gathering:**

In this phase, in which the requirements for the software are gathered and analyzed.

The requirements gathered and verified by the analyst whether the requirements would fulfill or not. Once all these things are cross checked, the team would proceed to next phase.

**Analysis and Design:**

In Design phase, an analysis is performed to point out the appropriate business logic, database models and to know any other requirements of this particular stage.

This system design helps in defining the overall system architecture and designing of software will begin.

**Implementation:**

In coding phase, the actual implementation or coding of the system is carried out.

In this with inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.

**Testing:**

In testing phase the software is integrated and tested.

All the units developed in the implementation phase are integrated into a system after testing of each unit. Then integrate the entire system is tested for any faults and failures.

**Evaluation:**

The final phase of the Iterative life cycle is the evaluation phase, where the entire team along with the client, examine the status of the project and validate whether it is as per the suggested requirements.

**Deployment of System:**

Once the functional and non-functional testing is done then product is deployed in the customer environment or released into the market.

**Advantages:**

- Testing and debugging during smaller iteration are easy.
- It is easily acceptable to ever-changing needs of the project.
- Risks are identified and resolved during iteration.
- Progress can be measured.
- Limited time spent on documentation and extra time on designing.

### 1.6.2 Project Effort, Time and Cost Estimation:

#### **Effort:**

Effort Technical is performing in the following task:.

Analysis the technical skills and capabilities of the developer and Determines whether the relevant technology is stable and established

The technology chosen for software development has a large number of users so that they can be consulted when problems arise or improvements are required.

We will need technical skill like PHP (hypertext pre-processor), Html (hypertext markup language) language, CSS (Cascade style sheet) for our job portal project.

We will also need database technical skill for store our job portal project data and The following also needs for our project. Such as JavaScript, jQuery, Bootstrap.

#### **Cost:**

Software is said to be economically feasible if it focuses on the issues listed below:

Cost incurred on software development to produce long- term gains for an organization and

Cost required to conduct full software investigation (such as requirements elicitation and requirements analysis)

Cost of hardware, software, development and No any additional cost is required to develop this project.

Moreover, since this project is developed as no any development cost is required.

Considering all these we can say that our project is feasible.

#### **Time:**

Time feasibility is the period of time within it a software should produce relevant answer. It's the maximum time software is supposed to do answer. We can compare two or more software with time feasibility. Software having least time feasibility will be better one under the same category.

We have total time of 12 weeks for documentation and implementation each and To complete our job portal project, we will require expected 12 weeks.

### **1.6.3 Roles and Responsibilities**

The roles and responsibilities in project are as follow:

Develop a detailed project plan to monitor, track progress and Identify Risk and find way to resolve risk.

Finding creative solutions and overcoming obstacles are the responsibilities and Develop schedules to implement project plan and assist your work to complete in given deadline.

Define a clear list of expectations and goals with this project and analyze the outcomes and Prepare documentation and report..

A roles and responsibilities possesses strong critical thinking skills that empower them to achieve success no matter the situation.

### **1.6.4 Group Dependencies**

In group dependency there is an internal dependency are defined between student and project guide.

In this student has a complete access to develop project activities till accomplishment of project and dependent on project guide to resolve and providing best direction to lead project work.

The process of dependency between student and project guide dependent on each other to accomplish work with guidance.

The student will develop project, test, prepare report and continuous guidance will provide by guide till accomplishment of project.



## **2. System Analysis:**

### **2.1 Study of current system:**

In current system, candidates and companies make use this system to get best match and simplified the process of recruitment with status option.

Candidate can do registration & make a profile, apply to companies, they can see the list of the applied companies, status, post of recruitment posted by companies and update the profile and logout the account .

Company can do registration, make a profile, see the list of applied candidates to companies, change the status, make a post to recruit and update the profile and logout the account.

Candidates will search the companies & see the profile of the companies and they can see the post of recruitment posted by the companies.

This website holds the database in which information about the candidate and companies are stored. Companies will see the profile of the candidates & they can hire the candidate according to requirements.

Admin have full accessibility of the website & manages the website.

### **2.2 Problem and weaknesses of Current System:**

Main drawback of the system is few important features like resume downloaded and watched is not available to acknowledge candidates.

We don't have features to provide free courses to make job ready candidates to learn and explore.

We don't have features like jobs notification to the candidates according to profile via mail.

### **2.3 Requirements of New System:**

The main requirements of this project are to build website which simplify the process of recruitment, find best match and gather useful data.

There is various career development website but the new features are the status option where candidate gets notified with status (hired, shortlisted, rejected).

The features are shown in following subsection.

## **2.4 System Feasibility**

### **2.4.1 Does the system contribute to the overall objectives of the organization?**

It will contribute the overall objective of corporate culture and helps the candidates as part of career development. It will provide jobs and applied candidates get opportunity as per designation, profile.

It is developed with code reusability, provide good look and fill.

### **2.4.2 Can the system be implemented using the current technology and within the given cost and schedule constraints.**

The technology chosen for software development has a large number of users so that they can be consulted when problems arise or improvements are required.

Developed with technical skill like PHP (hypertext pre-processor), Html (Hypertext mark-up language) language, CSS (Cascade style sheet) for this job portal project.

Moreover, since this project is developed as no development cost is required. Moreover, the cost of hardware and software used to develop project is personal owned and database is open source.

The project is developed in schedule constraints to meet deadlines with testing part as well.

### **2.4.3 Can the system be integrated with other systems which are already in place?**

In integration process with other system we have to enable sharing of data with no redundancy.

## **2.5 Features of New System / Proposed System**

The users of the websites will get the simple and easy to use GUI and Design the well architectures database to store and simplify the process of operation.

Registered candidates will perform search, apply to companies with 100% profile,

Registered candidates make a profile and see the post of current recruitment.

Registered candidate will see the list of the applied companies, status of applied jobs is the important features, edit the profile and logout the login account.

Registered Companies will make a profile and can make a post with 100% profile to recruit the right candidate to the companies is the important features.

Registered companies will see the list of applied candidates to the company, change status of candidates is the important features, Edit the profile and logout the login account.

Admin can see list of entire registered companies & candidates.

Admin can see all the jobs posted by companies and how many candidates have applied to the post is shown to admin is the important feature.

## **2.6 List Main Modules:**

**There are three users:**

Candidate.

Company

Admin.

**Candidate:**

- Dashboard.
- Search jobs.
- Update profile.
- Logout.

**Company:**

- Dashboard.
- Post jobs.
- Update profile.
- Logout.

**Admin:**

- Dashboard.
- Candidate list.
- Company list.
- Job post list.

## **2.7 Hardware and Software Requirements:**

### **Hardware Requirements:**

For developing the application, the following are the Hardware Requirements:

Processor: Intel Pentium 4 or later.

Hard Disk: 40 GB.

Memory (RAM): 4 GB.

### **Software Requirements:**

For developing the application, the following are the Software Requirements:

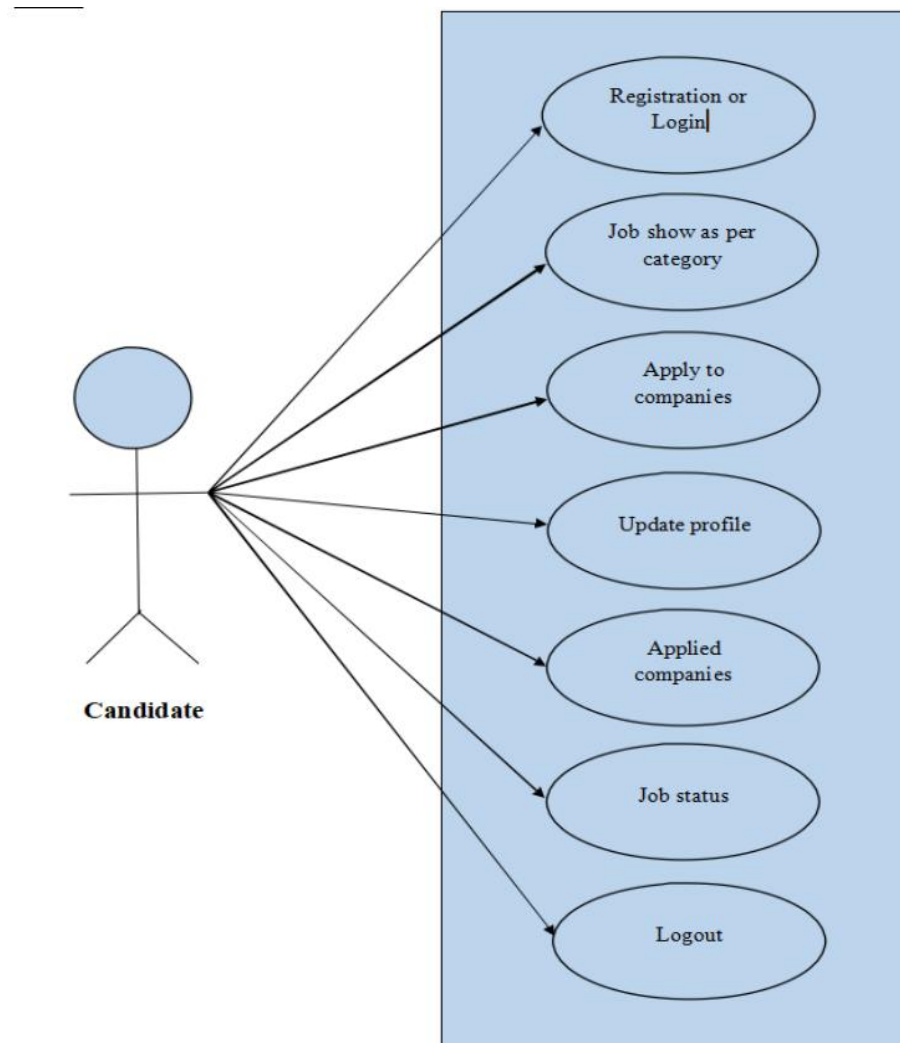
Visual studio code: visual studio code editor is used as a coding part for project it is used to design the project.

XAMPP: XAMPP is used to provide server and provide the interconnection between server and client.

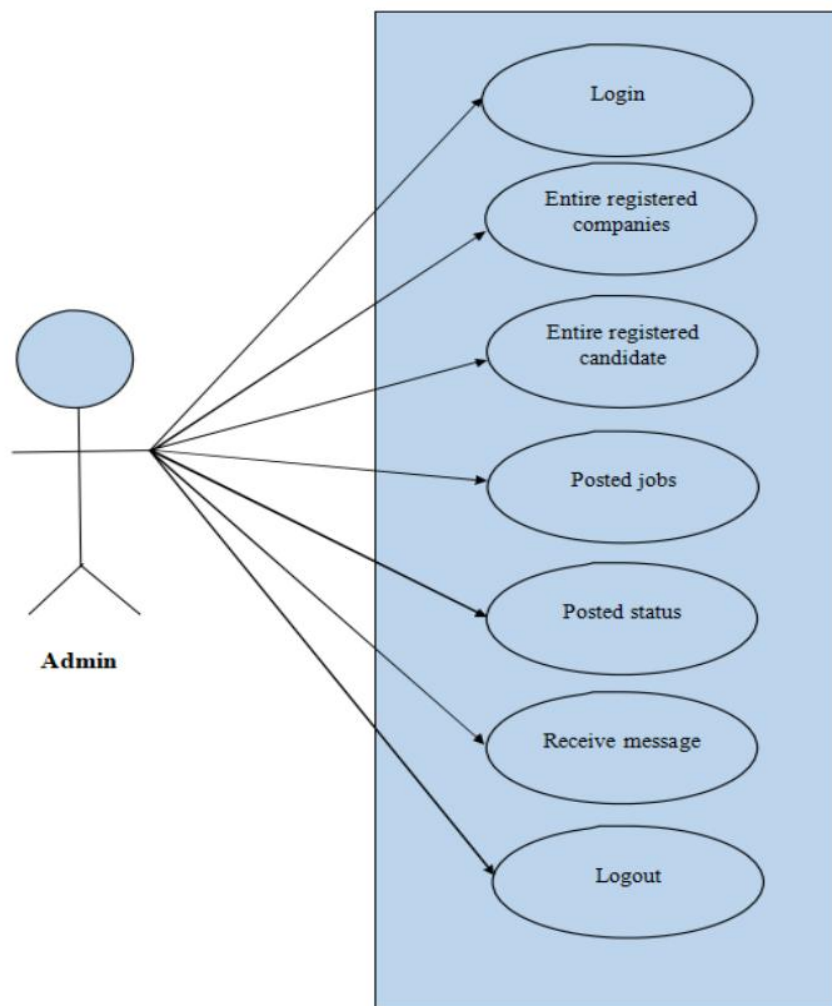
Mozilla / Microsoft edge: Browsers used for client side output which is processed by server.

## 2.8 Use Case Diagram:

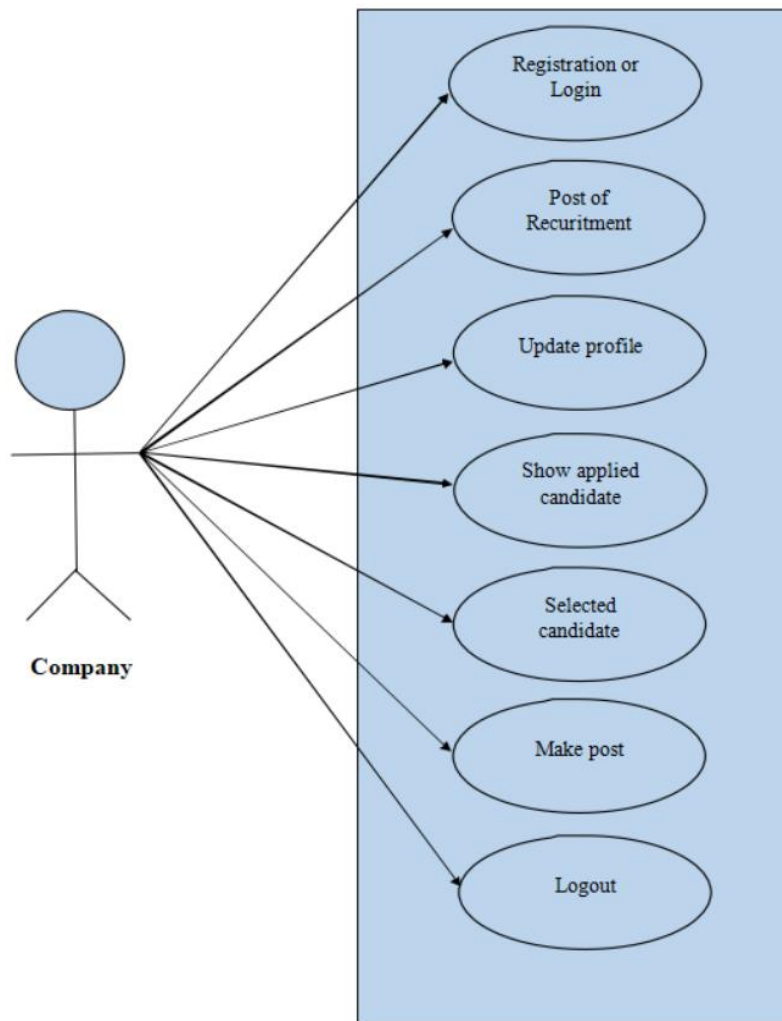
### 2.8.1 Candidate Use Case Diagram



### 2.8.2 Admin Use Case Diagram



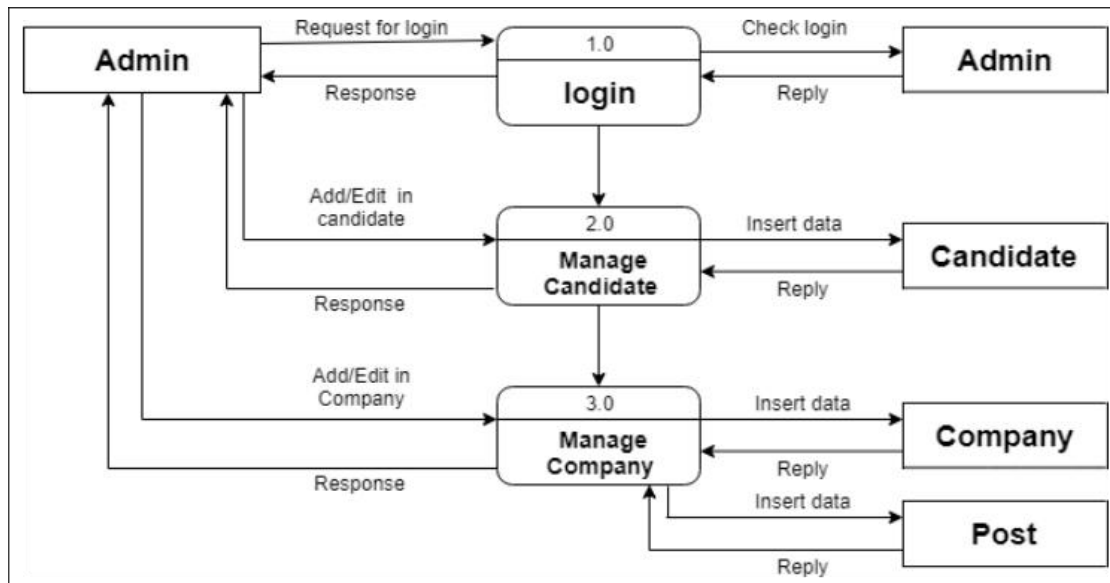
### 2.8.3 Company Use Case Diagram



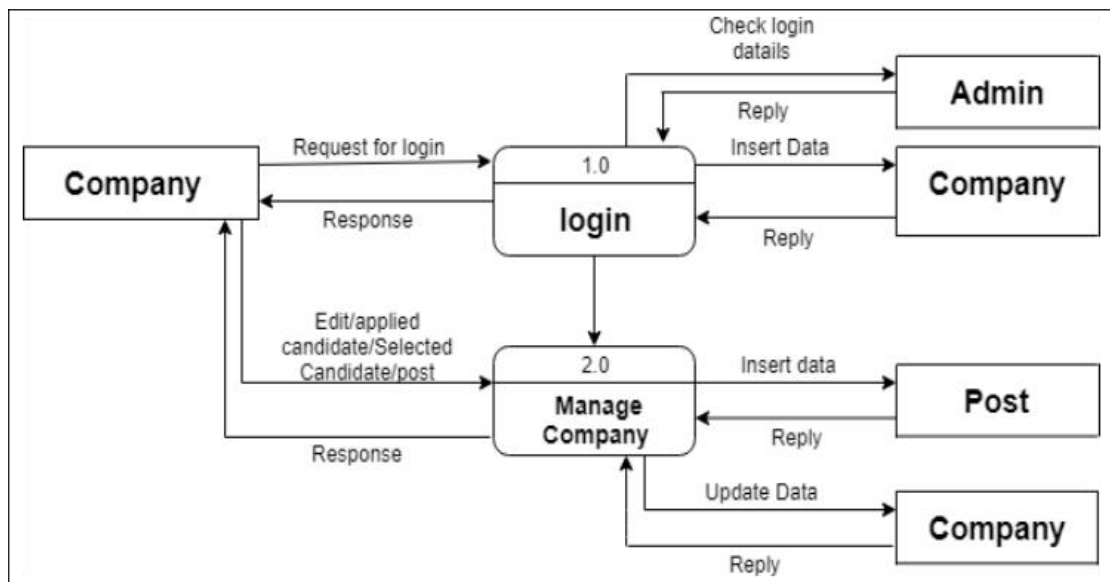
### 3.0 System Design and Methodology:

#### 3.1 Data Flow Diagram:

##### 3.1.1 Data Flow Diagram Level 1 (ADMIN)

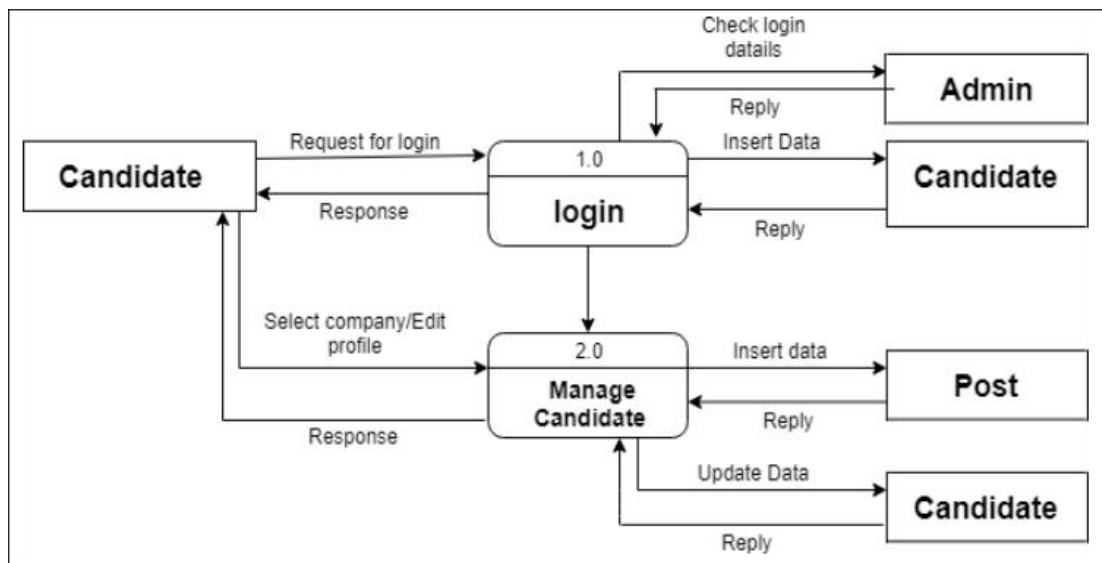


##### 3.2.2 Data Flow Diagram Level 1 (Company)





### 3.2.3 Data Flow Diagram Level 1 (Candidate)



## 3.2 Database Design:

3.2.1 Register member		
Column name	Data type	Constraint
reid	Int (10)	Primary key
fname	Varchar (40)	Not null
lname	Varchar (40)	Not null
Company_name	Varchar (100)	Not null
email	Varchar (40)	Not null
password	Varchar (150)	Not null
mobile	Varchar (50)	Not null
profilepic	Varchar (400)	Not null
designation	Varchar (40)	Not null
role	Varchar (20)	Not null
bdate	Varchar (150)	Not null
categories	Int (15)	Not null
joblocation	Varchar (250)	Not null
gender	Varchar (20)	Not null
hometown	Varchar (150)	Not null
cv	Varchar (255)	Not null
website	Varchar (250)	Not null
noofemployee	Varchar (150)	Not null
cprofile	text	Not null
compnylogo	Varchar (250)	Not null
status	Varchar (50)	Not null
regidate	timestamp	Not null

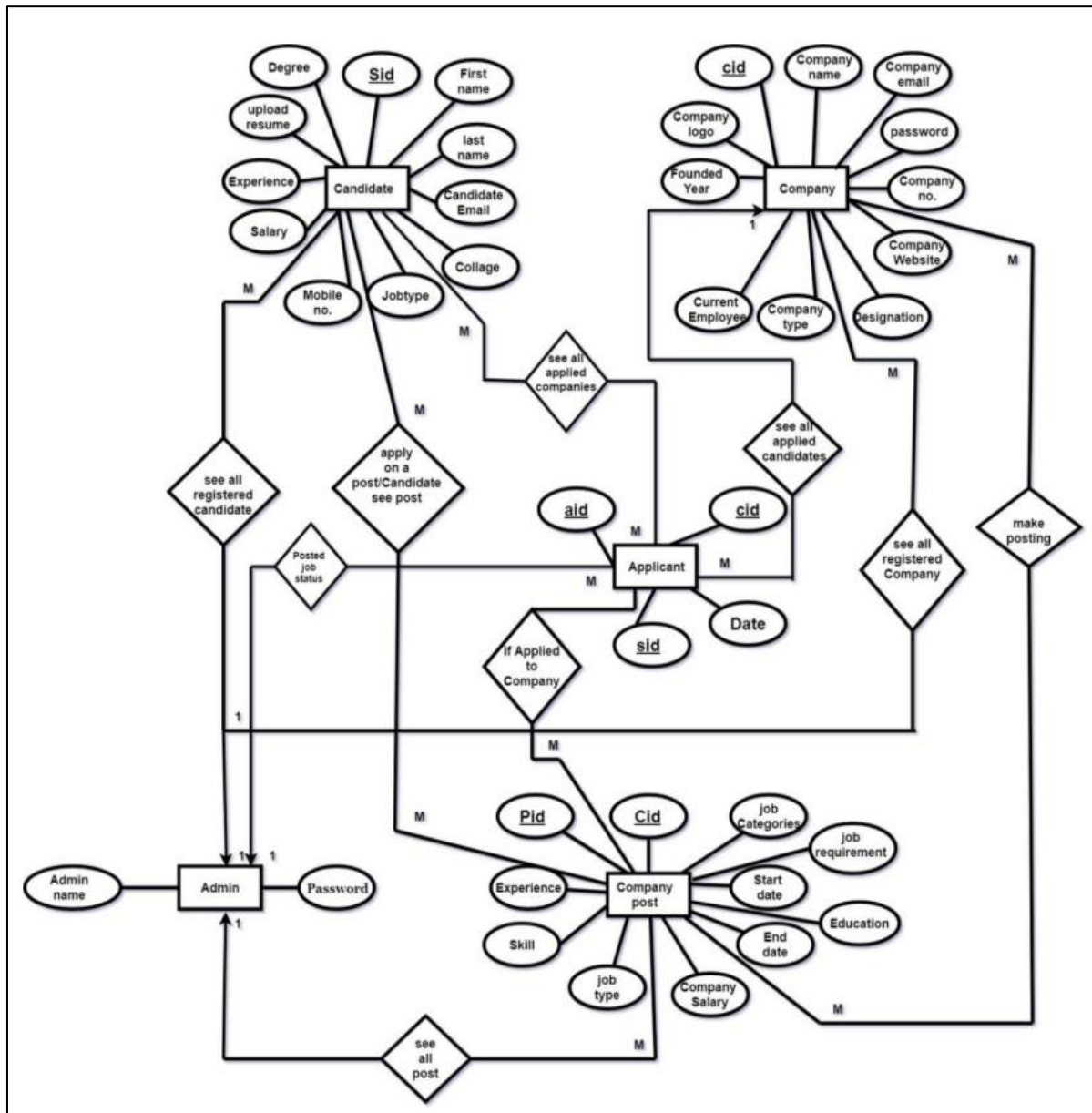
<b>3.2.2 Job post</b>		
<b>Column name</b>	<b>Data type</b>	<b>Constraint</b>
pid	Int (10)	Primary key
cid	Int (10)	Foreign key
job_requirement	Varchar (50)	Not null
job_category	Varchar (40)	Not null
start_date	Varchar (10)	Not null
end_date	Varchar (10)	Not null
company_salary	Int (11)	Not null
job_type	Varchar (20)	Not null
skill	Varchar (500)	Not null
experience	Varchar (500)	Not null
education	Varchar (50)	Not null

<b>3.2.3 Applicant</b>		
<b>Column name</b>	<b>Data type</b>	<b>Constraint</b>
aid	Int (10)	Primary key
sid	Int (10)	Foreign key
cid	Int (10)	Foreign key
Date	Varchar (10)	Not null

<b>3.2.4 Admin</b>		
<b>Column name</b>	<b>Data type</b>	<b>Constraint</b>
aid	Int (10)	Primary key
admin_name	Varchar (10)	Primary key
password	Varchar (10)	Not null

<b>3.2.5 contact details</b>		
<b>Column name</b>	<b>Data type</b>	<b>Constraint</b>
contactid	Int (10)	Primary key
yourname	Varchar (40)	Not null
contactemail	Varchar (40)	Not null
msg	Varchar (200)	Not null

### 3.3 E-R diagram (Entity-Relational Diagram)



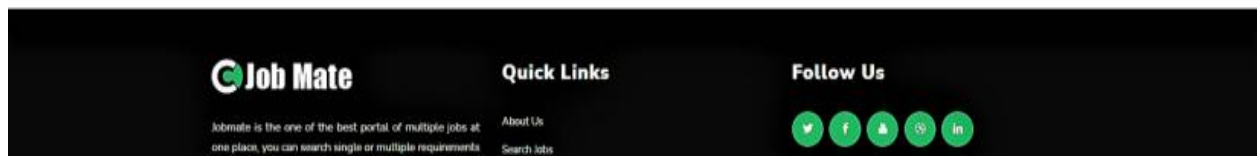
### 3.4 Input / Output and Interface Design

#### 3.4.1 Samples of Forms, Reports and Interface

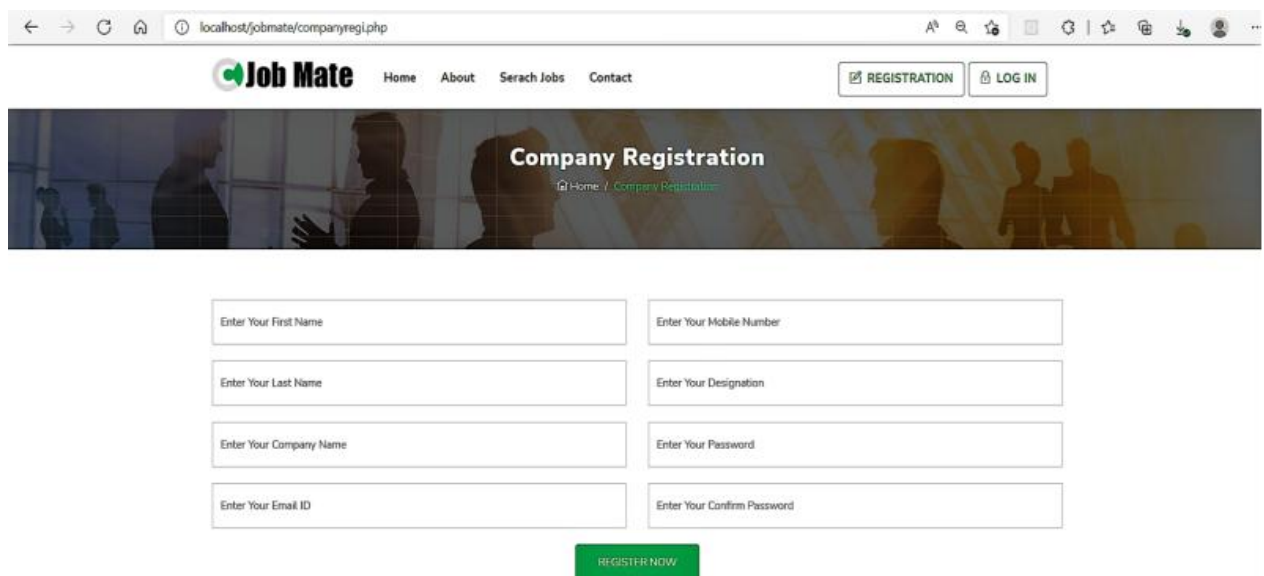
##### 3.4.1.1 Registration Form:



The screenshot shows the 'Candidate Registration' form on the Job Mate website. The header includes the Job Mate logo, navigation links (Home, About, Search Jobs, Contact), and buttons for REGISTRATION and LOG IN. The form itself is titled 'Candidate Registration' and includes a breadcrumb trail 'Home / Candidate Registration'. It contains five input fields: 'Enter Your First Name', 'Enter Your Last Name', 'Enter Your Email ID', 'Enter Your Mobile Number', and 'Enter Your Password'. A 'REGISTER NOW' button is located at the bottom of the form.



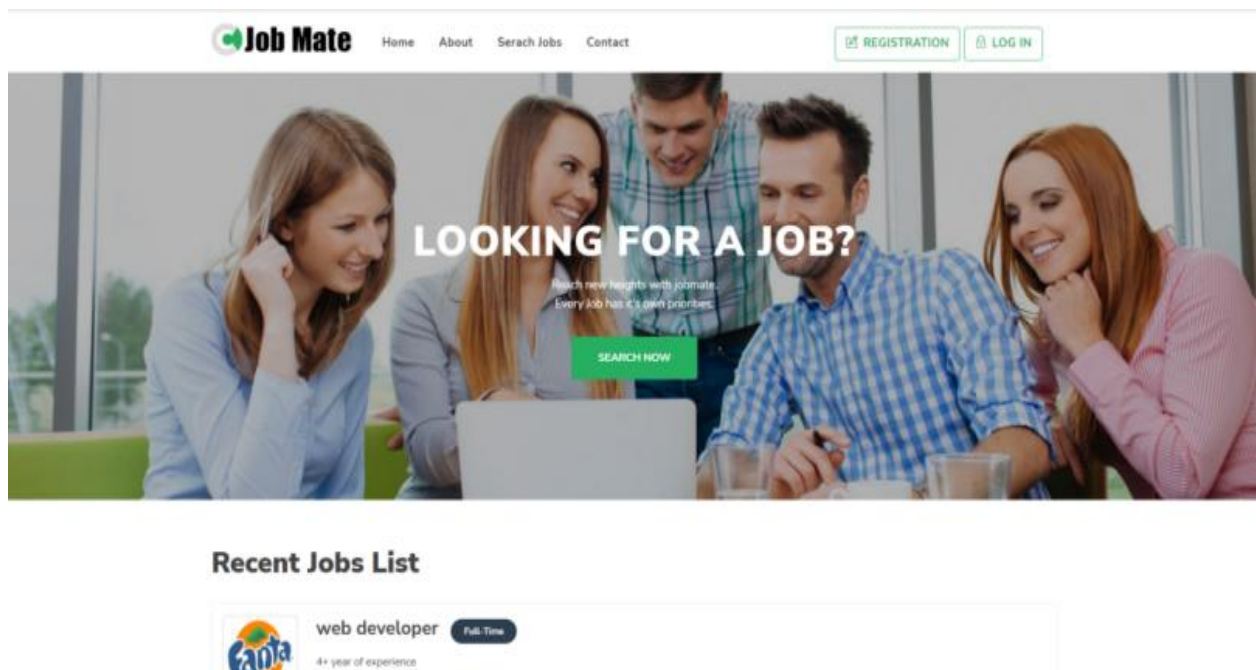
#### Candidate Registration Form



The screenshot shows the 'Company Registration' form on the Job Mate website. The header is identical to the previous form. The form is titled 'Company Registration' and includes a breadcrumb trail 'Home / Company Registration'. It contains six input fields: 'Enter Your First Name', 'Enter Your Last Name', 'Enter Your Company Name', 'Enter Your Email ID', 'Enter Your Mobile Number', and 'Enter Your Password'. A 'REGISTER NOW' button is located at the bottom of the form.

#### Company Registration Form

### 3.4.1.2 Homepage and login page

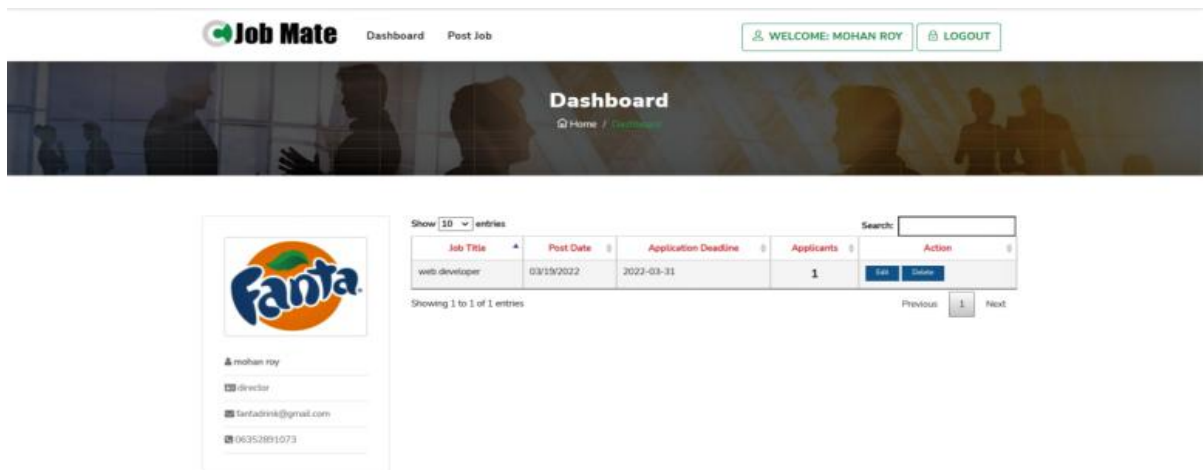


Homepage



Login page

### 3.4.1.3 company dashboard and applied candidate list

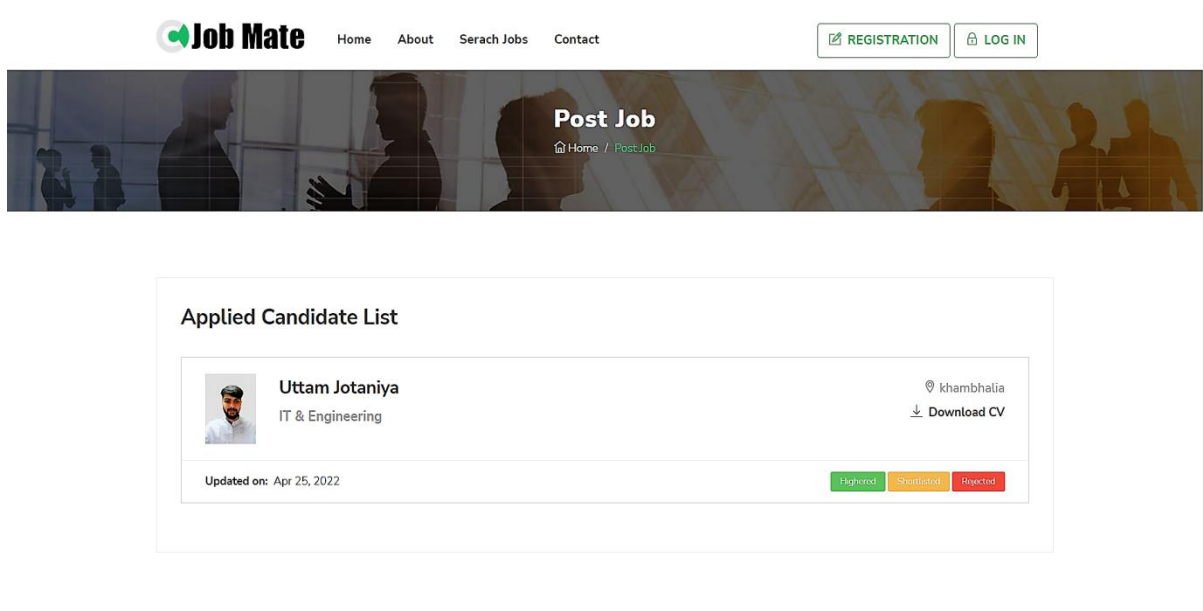


The screenshot shows the 'Job Mate' dashboard for a user named Mohan Roy. The header includes the 'Job Mate' logo, navigation links for 'Dashboard' and 'Post Job', and a 'WELCOME: MOHAN ROY' message with a 'LOGOUT' button. The main content area features a 'Dashboard' title, a breadcrumb trail 'Home / Dashboard', and a table of job listings. A sidebar on the left displays the user's profile for 'mohan roy', who is a 'director' at 'fanta' with contact details: 'fanta@fanta.com' and '06352891073'.


Job Title	Post Date	Application Deadline	Applicants	Action
web developer	03/19/2022	2022-03-31	1	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 1 of 1 entries

### Company Dashboard



The screenshot shows the 'Job Mate' 'Post Job' page. The header includes the 'Job Mate' logo, navigation links for 'Home', 'About', 'Search Jobs', and 'Contact', and a 'REGISTRATION' button with a 'LOG IN' button. The main content area features a 'Post Job' title, a breadcrumb trail 'Home / Post Job', and an 'Applied Candidate List' section. The list shows a candidate named 'Uttam Jotaniya' with a profile picture, a location pin for 'khambhatia', and a 'Download CV' button. The candidate's status is 'Applied' (highlighted in green), and the list was updated on 'Apr 25, 2022'.

Applied Candidate List
<div>  <div> <b>Uttam Jotaniya</b>            IT &amp; Engineering         </div> <div>           khambhatia  <a href="#">Download CV</a> </div> </div> <div>           Updated on: Apr 25, 2022           <span>Applied</span> <span>Rejected</span> </div>

### Applied Candidate List

### 3.4.1.3 candidate dashboard and candidate profile



### Candidate Dashboard

Dashboard
Search Jobs
WELCOME: UTTAM JOTANIYA
LOGOUT

**First Name**

**Birthdate**

**Last Name**

**Looking for Job**

**Email Id**

**Location for a job**

**Password**

**Gender**

☒ Male ☐ Female

**Mobile number**

**Hometown**

**Upload pic**

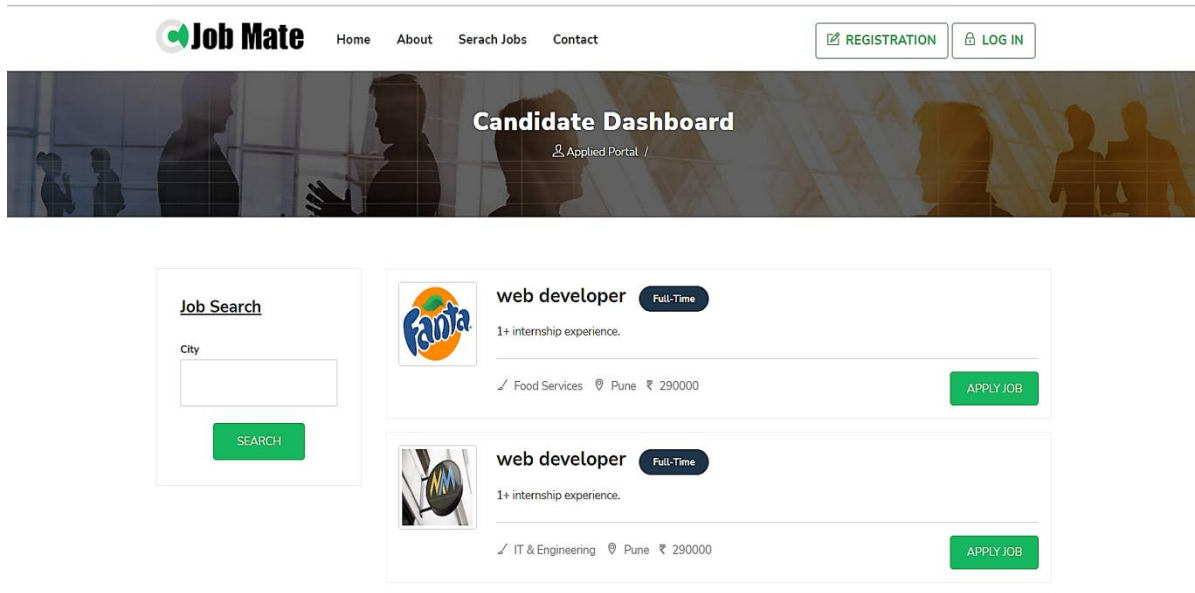
No file chosen

**Upload cv**

No file chosen

### Candidate Profile

### 3.4.1.4 Search Jobs



The screenshot displays the 'Candidate Dashboard' of the 'Job Mate' website. The header includes the 'Job Mate' logo, navigation links (Home, About, Search Jobs, Contact), and buttons for 'REGISTRATION' and 'LOG IN'. The main banner area features the text 'Candidate Dashboard' and 'Applied Portal /'. Below the banner, there is a 'Job Search' section with a 'City' input field and a 'SEARCH' button. To the right, two job listings are shown for 'web developer' (Full-Time). Each listing includes a company logo (Fanta and a generic icon), '1+ internship experience.', and details like 'Food Services', 'Pune', and '₹ 290000'. An 'APPLY JOB' button is present for each listing.

### Search Jobs

### 3.4.1.5 Admin Login Page and Dashboard



The screenshot shows the 'Admin Login Page' with a 'Welcome to Jobmate' message. Below the message is a login form with a blue header bar containing the text 'Please login with your Username and Password.'. The form has two input fields: 'Please Enter Your Username' (with a user icon) and 'Please Enter Your Password' (with a lock icon). A 'Sign in' button is located at the bottom of the form.

### Login Page



Jobmate Admin

ADMIN ACCESS

- Dashboard
- Student List
- Company List
- Job Post List

Home / Dashboard

Total Student  
5

Total Company  
4

Total Job Post  
4

Registered Student

Image	Name	Email ID	Mobile Number
	Parth Goraniya	9898444488	pg@gmail.com
	Uttam Jotaniya	9979979975	uj@gmail.com
	Sahil11 Gh	8989898989	sahil1234@gmail.com

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Registered Company

Image	Name	Email ID	Mobile Number
	Cocacola drinks	9000129002	cocadrinks@gmail.com
	Fanta	06352891073	fantadrink@gmail.com
	Mj	888888888	mj@gmail.com

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Job Post

Company Logo	Company Name	Job Title	City	Start Date	Application Deadline
	fanta	web developer	Pune	Mar 19, 2022	Mar 31, 2022
	rituraj	web developer	Pune	Mar 19, 2022	Mar 31, 2022

## Admin Dashboard

## **4. Implementation**

### **4.1 Implementation Platform / Environment:**

#### **Implementation Platform:**

In implementation process we have built and provide new features into use, train user for usability and gather data.

The implementation there are types of implementations are computer system to replace a manual system. To problem encountered are covering files, training user, creating accurate files and verifying data for integrity and Implementation of a new system to replace an existing one.

In implementation we have added features to replace with existing one using the same computer system and it is relatively easy to handle.

#### **Implementation Environment:**

The implementation environment of the developed system facilitates multiple users to use this system simultaneously. The user interfaces are designed keeping in mind that the users of this system are familiar to using GUI-based systems.

### **4.2 Process / Program / Technology / Modules Specification(s)**

The website is developed using the Bootstrap, Html5, Css3, jQuery in frontend, MySQL database and PHP.

HTML5 is a next version of HTML. Here, you will get some brand-new features which will make HTML much easier. These new introducing features make your website layout clearer to both website designers and users.

CSS3 makes the Web Pages more attractive. It takes less time to create a page and make it responsive.

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. It is used to store the collection of records in an organized form. It allows us to hold the data into tables, rows, columns, and indexes to find the relevant information frequently. We can access and manage the records through the database very easily.

PHP is an open-source, interpreted, and object-oriented scripting language that can be executed at the server-side. PHP is well suited for web development. Therefore, it is used to develop web applications.

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## Candidate Registration

[Home](#) / [Candidate Registration](#)

Name: kamat  
 Phone Number: 9090901111  
 Last Name: mehta  
 Password: .....  
 Email: km@gmail.com  
 Password: .....

[REGISTER NOW](#)

## Candidate Registration Page

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## Jobmate || Login

[Home](#) / [Jobmate || Login](#)

Email: km@gmail.com  
 Password: .....

[Login](#)

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**Job Mate**  
 Jobmate is the one of the best portal of multiple jobs at one place, you can search single or multiple requirements at a time, you can also search different salary packages.

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 Join our mailing list to stay up to date and get notices about our new releases!

## Login Page

### 4.3 Finding / Results / Outcomes

The outcome is the make profile. When user gets register then after it will redirect to login page and after login, he/she will redirect to make profile.

The screenshot shows the 'Job Mate' website interface. At the top, there is a navigation bar with the logo, 'Dashboard', and 'Serach Jobs' links. On the right, a user is logged in as 'KAMAL MEHTA' with a 'WELCOME: KAMAL MEHTA' message and a 'LOGOUT' button. Below the navigation bar is a dark banner image. The main content area displays a profile update form with the following fields:

- First Name:** Input field containing 'kamal'.
- Last Name:** Input field containing 'mehta'.
- Email id:** Input field containing 'km@gmail.com'.
- Password:** Input field with masked characters '\*\*\*\*\*'.
- Mobile number:** Input field containing '9090901111'.
- Upload pic:** File upload area showing 'Choose File' and 'No file chosen'.
- Birthdate:** Empty date input field.
- Looking for Job:** Dropdown menu showing 'All Categories'.
- Location for a job:** Empty text input field.
- Gender:** Radio buttons for 'Male' and 'Female'.
- Hometown:** Input field containing 'Hometown'.
- Upload cv:** File upload area showing 'Choose File' and 'No file chosen'.

At the bottom of the form is a green 'UPDATE NOW' button.

### 4.4 Result Analysis / Comparison / Deliberations

We have done analysis of login and logout account. Whenever user gets registered and login with email. During login email gets verify with database and gives accurate result in less time. The result analysis of the update profile. After login the use able to make and update profile. We have verified the details get update in database with best accuracy.

The result analysis of the status operation is done. The candidate will get notified on dashboard whenever further action will be taken by companies, and update status in database with accuracy.

The analysis of database operation is to be done and developed Sql queries to perform operation gives accurate result.

The result and analysis of modules develop are analyzed with requirements and gives the accurate result in less time.

## 5.0 Testing

Testing is an evaluation to determine the correctness of the website under the requirement gathered. The main intent of testing is to detect failures of the application such as bugs, errors, security and performance. so that failures can be discovered and corrected.

### 5.1 Testing Plan / Strategy

Testing plan represents the objective and scope of software testing and focuses on the endeavor. It is derived with the help of Use Case documents, SRS (Software Requirement Specification), and Product Description.

A test plan is specified at the project level and important attributes are objective, scope, approach etc. Develop testing plan to perform dynamic testing with white box testing.

#### **White Box Testing:**

White Box Testing is a software testing method in which the internal structure or design along with the workings is known to the tester. It is also known as glass testing or open-box testing.

White Box testing is performed to check whether the system is functioning well based on the internal logic. The primary goal of white box testing is to focus on the flow of inputs and outputs through the software and strengthening the software.

Developers do white box testing. In this, the developer will test every line of the code of the program. The developers perform the White-box testing and then prepare the application.

The techniques of white box testing are statement coverage, branch coverage and path coverage.

#### **Advantages:**

- Used to check the way of input inside the code.
- Test cases of white box testing can be easily automated.
- Testing is more thorough as all code paths are usually covered.
- White box testing optimizes code so hidden errors can be identified.

#### **Statement coverage:**

In a programming language, a statement is nothing but the line of code or instruction for the computer to understand and act accordingly. A statement becomes an executable statement when it gets compiled and converted into the object code and performs the action when the program is in a running mode.

Hence Statement Coverage, as the name itself suggests, it is the method of validating whether each and every line of the code is executed at least once.

**Branch coverage:**

In branch coverage a programming language is like the “IF statements”. An IF statement has two branches: True and False. Branch coverage also called Decision coverage.

There will be two test conditions:

One to validate the true branch.

Other to validate the false branch.

**Path coverage:**

Path coverage tests all the paths of the program. This is a comprehensive technique which ensures that all the paths of the program are traversed at least once. Path Coverage is even more powerful than Branch coverage. This technique is useful for testing the complex programs.

**5.2 Test Results and Analysis**

The testing of result and analysis is completed. We perform on the basis of the branch coverage, statement coverage and path coverage.

In login account the test condition true and satisfied the branch coverage. Then after it will redirect to the dashboard and can make profile and path coverage is achieved. Every line of the code is executed at least once and statement coverage is achieved.


In admin account the test condition true and satisfied the branch coverage. Then after it will redirect to the dashboard and path coverage is achieved. Every line of the code is executed at least once and statement coverage is achieved.

**5.2.1 Test Cases (test ID, test condition, expected output, actual output, remark)**

**Test condition:** Email id and password authentication.

In this test condition the condition of authentication is satisfied. When user login email id and password are verified. Then user can make profile and Every line of the code is executed.


## Expected and actual output:


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[Serach Jobs](#)
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Jobmate is the one of the best portal of multiple jobs at one place, you can search single or multiple requirements at a time, you can also search different salary packages.

#### Quick Links

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[LOGOUT](#)

First Name

Last Name

Email id

Password

Mobile number

Upload pic

 No file chosen

Birthdate

Looking for Job

Location for a job

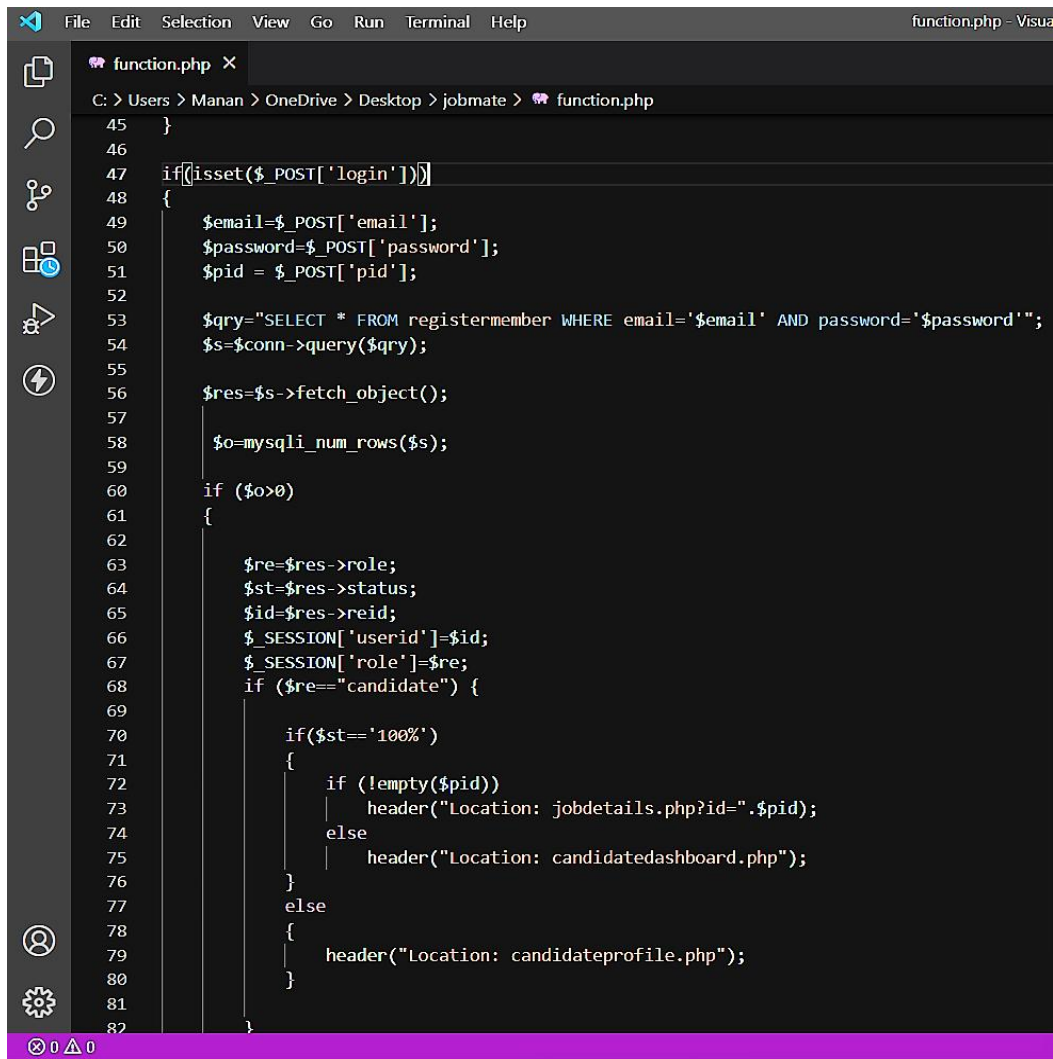
Gender

Male ☐ Female ☐

Hometown

Upload cv

 No file chosen



```
function.php
C: > Users > Manan > OneDrive > Desktop > jobmate > function.php
45 }
46
47 if(isset($_POST['login']))
48 {
49     $email=$_POST['email'];
50     $password=$_POST['password'];
51     $pid = $_POST['pid'];
52
53     $qry="SELECT * FROM registermember WHERE email='$email' AND password='$password'";
54     $s=$conn->query($qry);
55
56     $res=$s->fetch_object();
57
58     $o=mysqli_num_rows($s);
59
60     if ($o>0)
61     {
62
63         $re=$res->role;
64         $st=$res->status;
65         $id=$res->reid;
66         $_SESSION['userid']=$id;
67         $_SESSION['role']=$re;
68         if ($re=="candidate") {
69
70             if($st=='100%')
71             {
72                 if (empty($pid))
73                     header("Location: jobdetails.php?id=".$pid);
74                 else
75                     header("Location: candidatedashboard.php");
76             }
77             else
78             {
79                 header("Location: candidateprofile.php");
80             }
81         }
82     }
```



## **6.0 Conclusion and Discussion**

Thus, I conclude that from this project under the guidance of Dr. Mahesh D. Titiya, I have reached to this stage of my project work.

In this project, I have built job portal website, which helps to get jobs to candidates in qualified companies and to recruit the candidates to companies on bases of the job profile of candidates

It is helps as career development website with clean and clear user looks and fill of the website.

The website is to maintain data, provide platform to company and candidates for best match, it will also simplify the process of the recruitment between candidates and companies

Moreover, it is useful website for recruitment and career development.

### **6.1 Summary of Project work**

The project work is done with determine the correctness of the website under the requirement gathered. We have provided the best solution which simplifies the process of recruitment with status on dashboard. It will also store and maintain the database and perform operation with accuracy. My guide has been a constant source of inspiration to do something creative, innovative and encouragement in carrying out this project work. It is helpful to reduce the unemployment solve the purpose of larger community to search better opportunity.

### **6.2 Limitation and Future Enhancement**

In our future enhancement the few important features as going to include as follow:

The features like resume downloaded and resume watched via mail is added to enhance the system usability.

We provide features of free courses in categories to make job ready candidates to learn and explore.

The Jobs notification features according to categories via mail to notify the best match jobs.

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- php.net (<https://www.php.net>)

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- educba (<https://www.educba.com>)
- php.net (<https://www.php.net>)