

JOB PORTAL

A PROJECT REPORT

**Submitted in partial fulfilment of the
Requirements for the Degree of**

MASTER OF COMPUTER APPLICATION

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CERTIFICATE

Certified that Sudarshan Pandey (2100290140137), Arpit Gupta (2100290140037), Shivam Gupta (2100290140127), Parbhat Singh (2100290140102) have carried out the project work having “Job Portal” for Master of Computer Applications from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Technical University, Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself / herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

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ABSTRACT

Job portal service was developed for creating an interactive job vacancy form for candidates. This web application manage updates both from the job seekers as well as the companies. It's unique development methodology helps in acquiring the client and candidate information and separating them according to the job requirements and vacancies.

The online access to it provides details of the job. An employer being registered in the web site has the facility to use the services. Being an authorized user he can publish vacancy details and can search no of Employees on portal and also he can search candidates on basis of the key skill which employee provides on registration.



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**Sudarshan Pandey
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Prabhat Singh**

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CHAPTER 1

INTRODUCTION

The **Job portal** is a platform for **job seeker** (student) and **job provider** (company). The Student or Job seeker can easily find and apply for job by login into system. The Employer or company can easily get expert employee from our job portal site by posting a job. The job portal website is a common place between job seeker and company.

The job seeker can login in his account and can get the details of company lists which match with his profile or education detail. So job seeker can easily apply to this job and he can also send message to company for other inquiry. The traditional methods for recruitment includes Job fairs, University career employment services, Employee referrals, advertising in the newspapers, televisions etc. With the advancement in technology and growth of internet usage, the e-recruitment has revolutionized the way organizations hire and candidates search for jobs

1.1 Project Description

1.1.1 Job Seeker Module:

- In jobseeker module candidate will be able to create his account on the portal.
- Candidate will be able to enter his details and there will be option to upload the resume.
- After successfully creating the account candidate will be able to view jobs and be able to apply for it.
- Candidate can also contact with company, if there is any issue.

1.1.2 Company Module:

- In company module, company will first create the account on the portal.
- Then company will be able to upload the details of the job on the portal.
- Afterward, when candidate will applied for the job, company will shortlist the candidate resume, for further process.

1.1.3 Admin Module

- The Admin will be able to manage Signup/Login Modules.
- Admin will be able to manage the candidate details.
- This module will be able to manage company details and job details.
- Admin will be able to get the report of the students who get the job or not.

1.2 Project Scope

With the Online Job search portals, the recruitment process is speeded up at every stage from job postings, to receiving applications from candidates, interviewing process. The cost of searching/posting jobs will be much less compared to the traditional way of advertising. The traditional job recruitment process is time taking and costly.

As of Indian market, there are ample opportunities for the job portal sites, as more and more number of educated and skilled young people are coming out each and every year. Also, as the growth rate of India is zooming to be at a healthy rate over 7%, so it is boom time for corporate also. So, more and more number of lucrative careers will be available for the job seekers. So, it is now the right period for the job portal sites to think out of the box, and to make most of the opportunities available.

1.3 Hardware/Software

1.3.1 Hard Requirements

Hardware-	: Processor i3 or above
Clock speed-	: 3.0 GHz
RAM size-	: 4 GB or above
Hard Disk capacity-	: 500 GB or above
Peripheral Devices	

1.3.2 Software Requirements

Operating System-	: Windows 10
Browser-	: Google chrome or any other
Application software-	: Visual Studio Code
Technology	: PHP
Server Required-	: Xampp
Language Required-	: Html, Css, Php
Documentation-	: Ms Word

CHAPTER 2

FEASIBILITY STUDY

A feasibility study **analyzes the viability of a project to determine whether the project or venture is likely to succeed**. The study is also designed to identify potential issues and problems that could arise while pursuing the project.

2.1 Technical Feasibility

Technical feasibility study is concerned with specifying equipment and software that will successfully satisfy the user requirement; the technical needs of the system may vary considerably. The facility to produce outputs in a given time. Our project is a web based application which is based on client-server based application. In this application every page as output is render from server to client so it is necessary that the page should be rendered in time. For this I have avoided more and more code in the page- load event.

2.2 Behavioural Feasibility

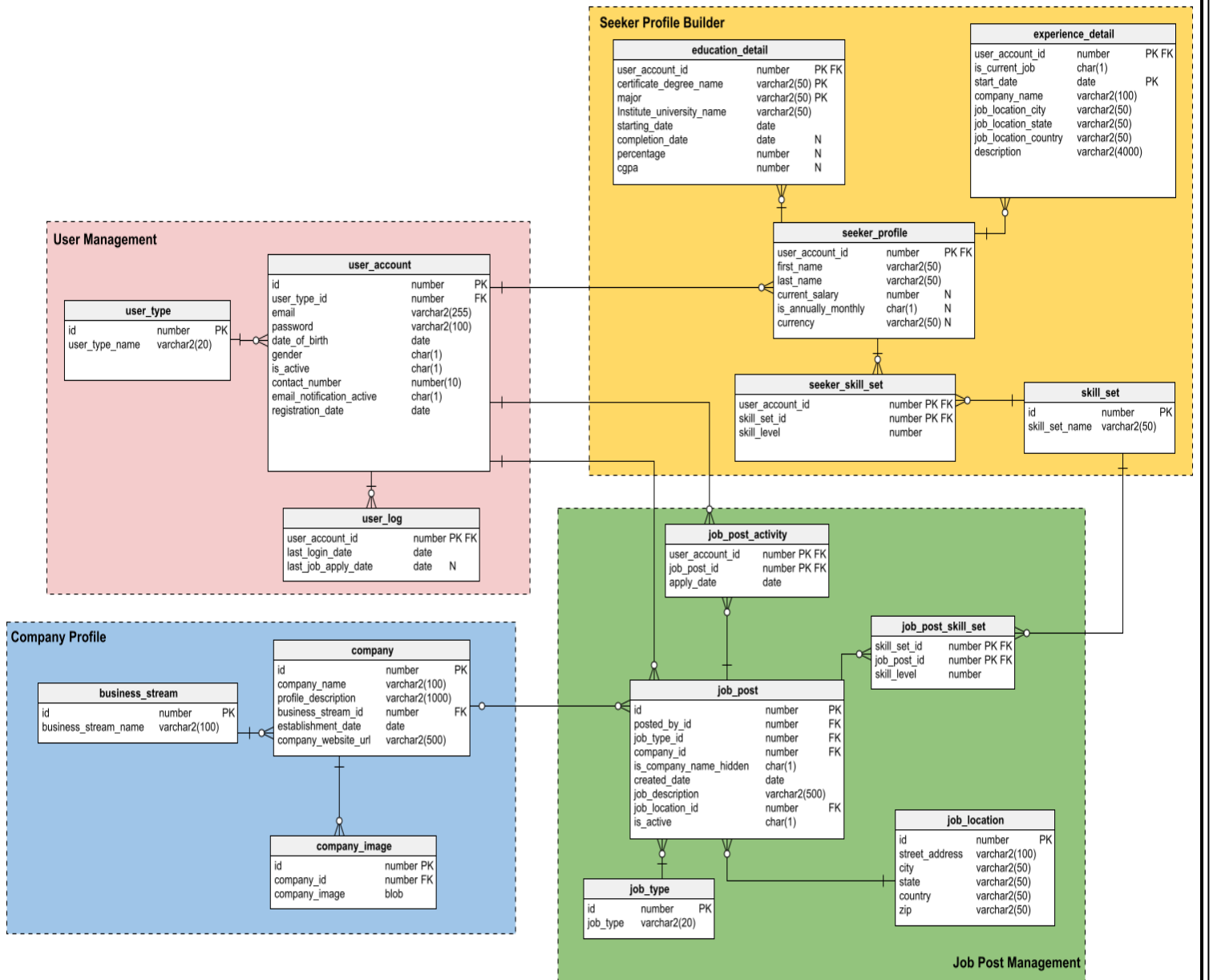
Behavioural feasibility is the measure to determine the cost and benefit of the proposed system. A project is economical feasible which is under the estimated cost for its development. These benefits and costs may be tangible or intangible. Job Portal is the cost-effective project in which there is less possibility of intangible cost so there is no difficulty to determine the cost of the project.

2.3 Operational Feasibility

Operation feasibility is used to check whether the project is operationally feasible or not. Our project is mainly different from the other system because of its web-support feature. So the measure for operational feasibility is something different from other system. Generally the operational feasibility is related to organization aspects. The change determination is as such that early product were either a man or group of men or the jobs based manual but now a day with the advent of Internet technology.

CHAPTER 3

DATABASE DESIGN



3.1 Database Table

3.1.1 Login Table

Field	Type	Constraints
Email	Varchar(255)	-
Password	Varchar(255)	-

3.1.2 Company Table

Field	Type	Constraints
Id_Company	int	Primary Key
Name	Varchar(255)	-
Company name	Varchar(255)	-
Country	Varchar(255)	-
State	Varchar(255)	-
City	Varchar(255)	-
Contact no	Varchar(255)	-
Website	Varchar(255)	-
Email	Varchar(255)	-
Password	Varchar(255)	-
About me	Varchar(255)	-
Logo	Varchar(255)	-
Active	int	-

3.1.3 Job Post Table

Field	Type	Constraints
Id_jobpost	int	Primary key
Id_Company	int	-
jobtitle	varchar(255)	-
minimum_salary	int	-
Maximum_salary	int	-
experience	varchar(255)	-
qualification	Varchar(255)	-
Create date	timestamp	-

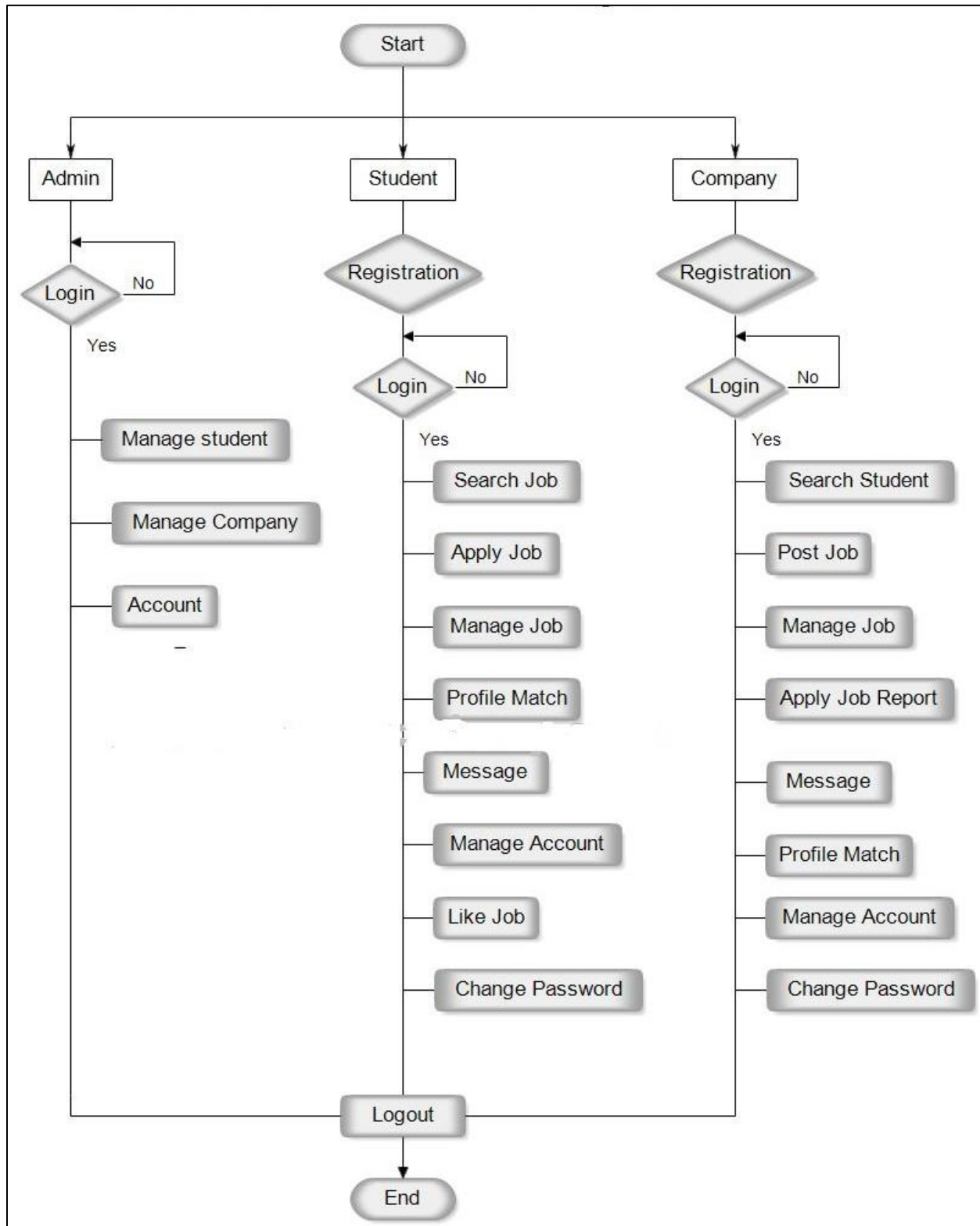
3.1.4 Mailbox Table

Field	Type	Constraints
Id_mailbox	int	Primary key
Id_fromuser	int	-
Id_touser	Varchar(255)	-
subject	Varchar(255)	-
message	Varchar(255)	-
Created_at	timestamping	-

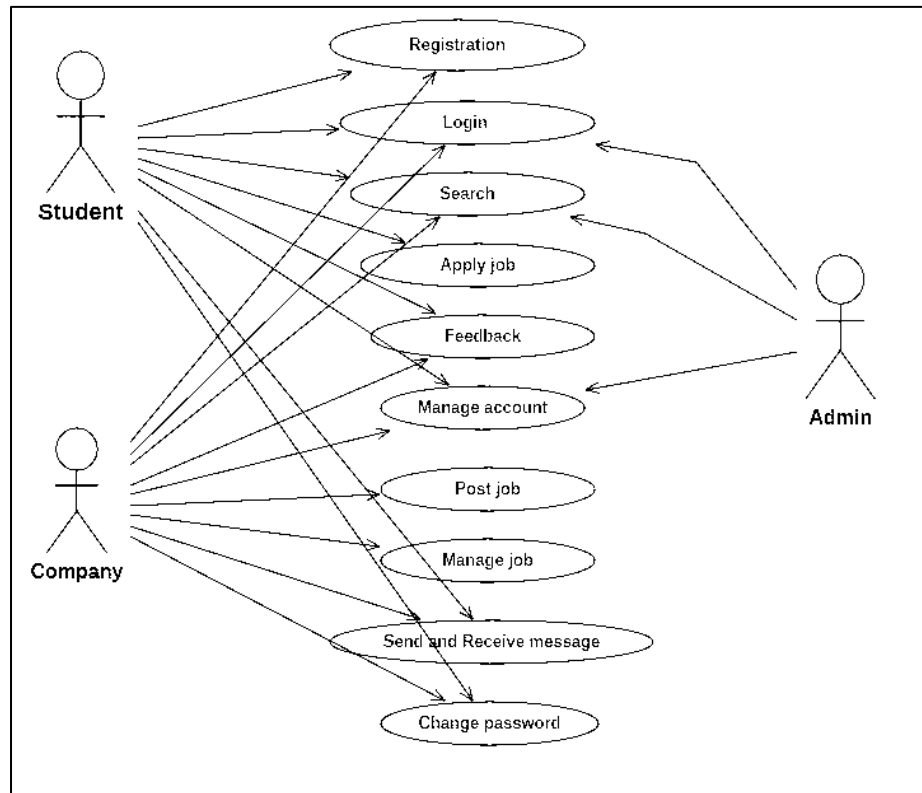
3.1.5 User Table

Field	Type	Constraints
Id_user	int	Primary Key
firstname	Varchar(255)	-
lastname	Varchar(255)	-
email	Varchar(255)	-
password	int	-
address	Varchar(255)	-
city	Varchar(255)	-
state	Varchar(255)	-
Contact no	int	-
qualification	Varchar(255)	-
stream	Varchar(255)	-
passingyear	int	-
dob	int	-
age	Varchar(255)	-
designation	Varchar(255)	-
resume	Varchar(255)	-
hash	Varchar(255)	-
active	int	-
About me	text	-
skill	text	-

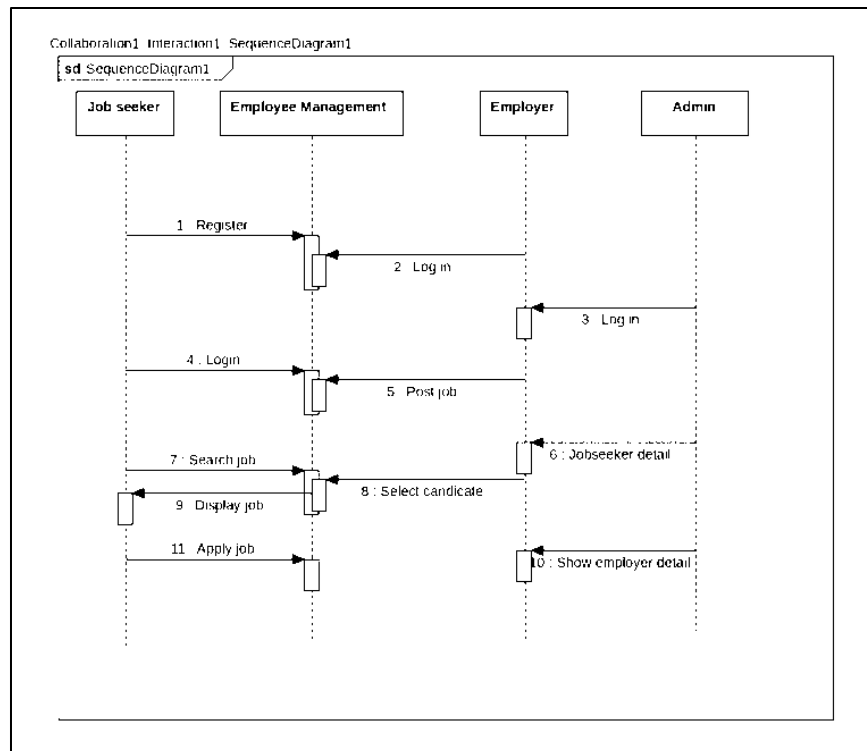
3.2 Flowchart Diagram



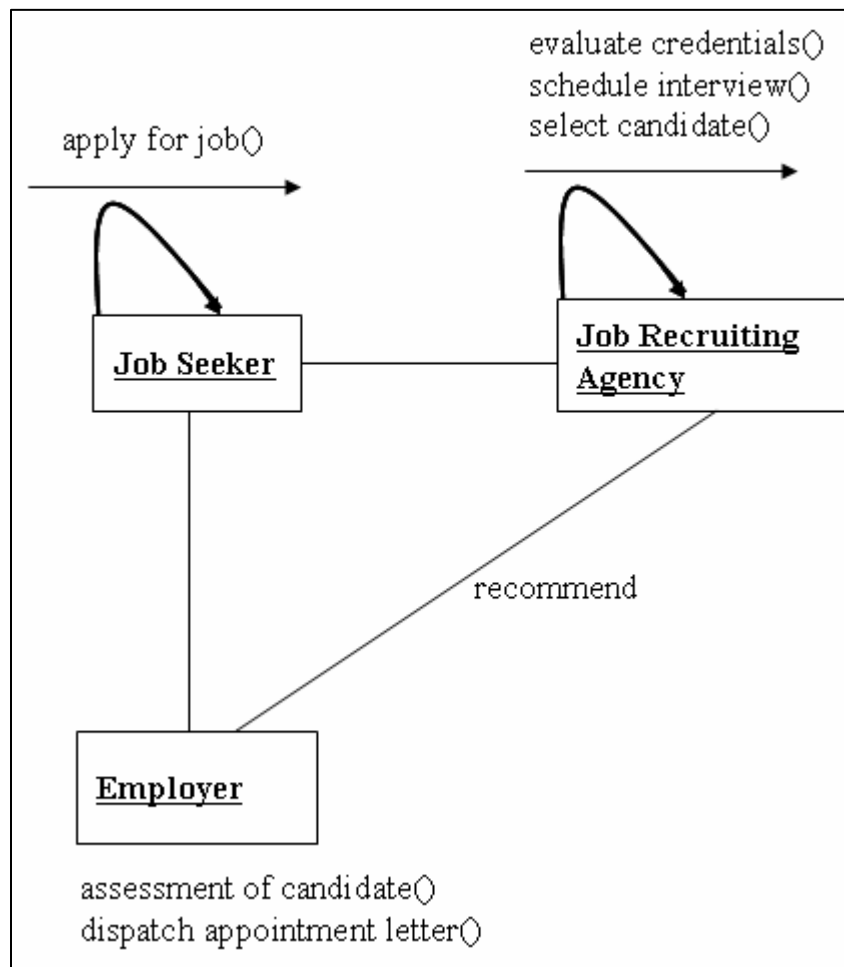
3.3 Use Case Diagram



3.4 Sequence Diagram



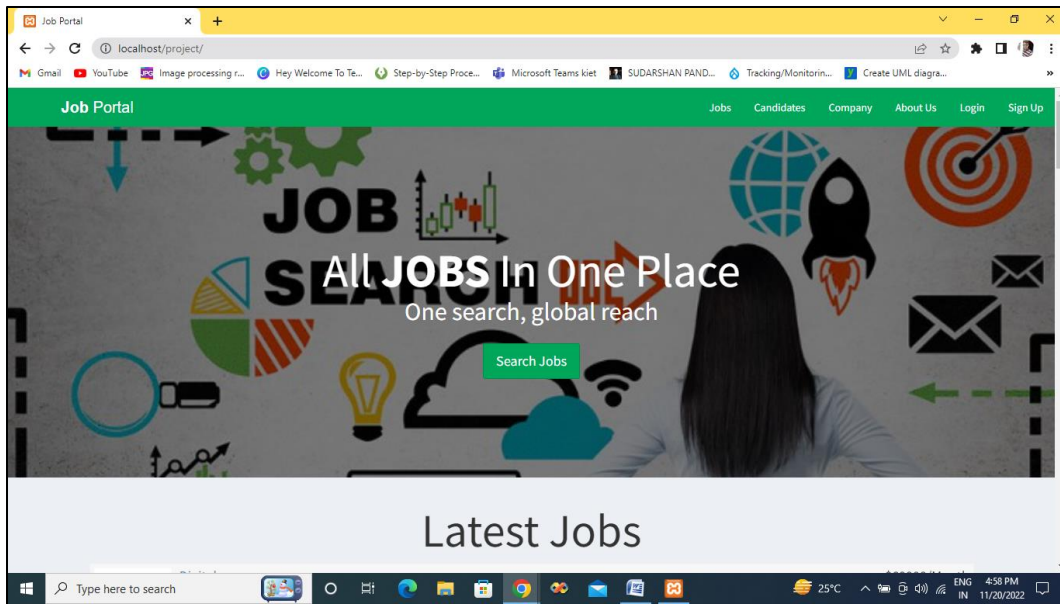
3.5 Collaborative diagram



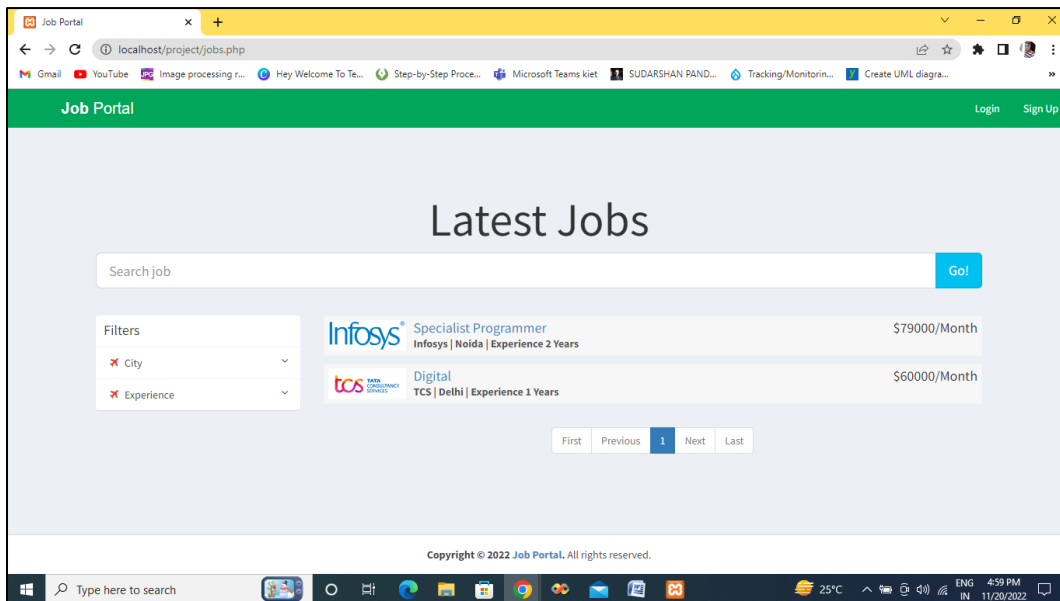
CHAPTER 4

FORM DESIGN

4.1 Home Page



4.2 Job Search Page



4.3 Candidate Registration Page

The screenshot shows a web browser window with the URL `localhost/project/register-candidates.php`. The page has a green header with the text "Job Portal" and navigation links for "Jobs", "Login", and "Sign Up". The main content area is titled "CREATE YOUR PROFILE" and contains a registration form with the following fields:

- First Name *
- Last Name *
- Email *
- Brief intro about yourself *
- Date Of Birth (mm/dd/yyyy)
- Password *
- Confirm Password *
- Phone Number
- Address
- City
- State

The Windows taskbar at the bottom shows the system time as 4:59 PM on 11/20/2022.

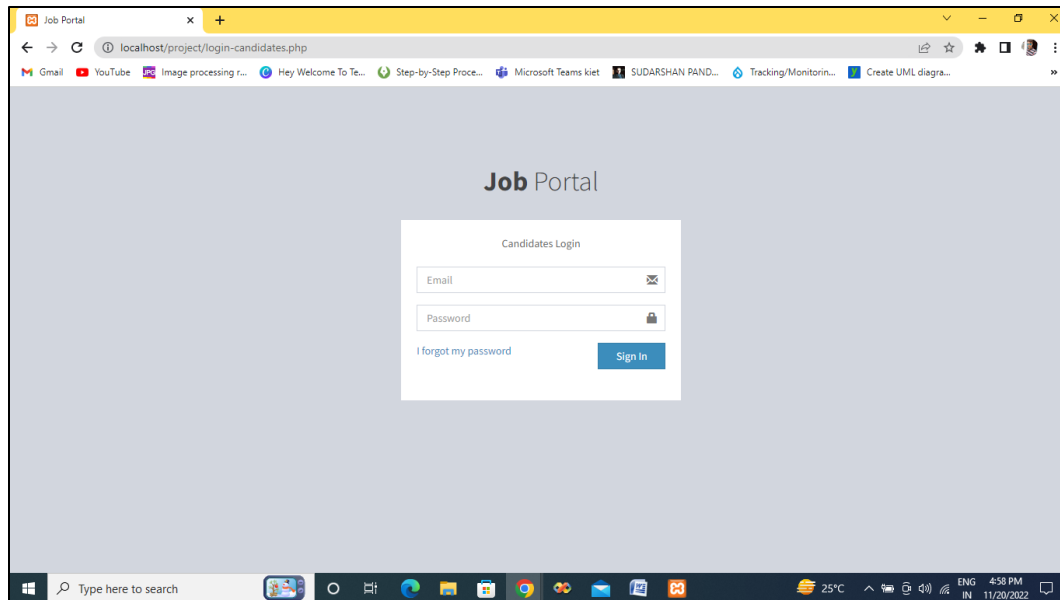
4.4 Company Registration Page

The screenshot shows a web browser window with the URL `localhost/project/register-company.php`. The page has a green header with the text "Job Portal" and navigation links for "Jobs", "Login", and "Sign Up". The main content area is titled "CREATE COMPANY PROFILE" and contains a registration form with the following fields:

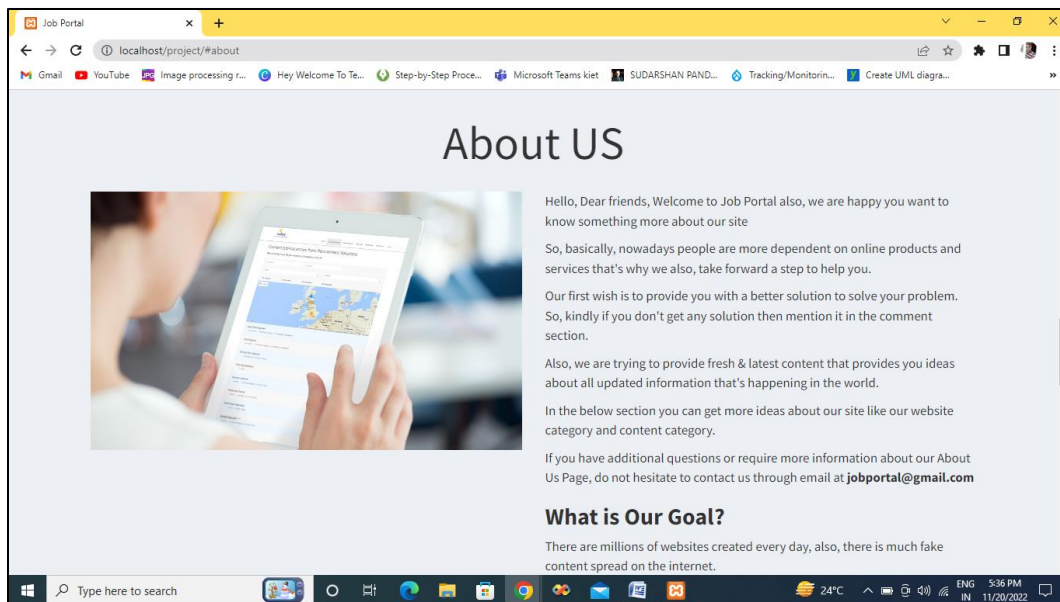
- Full Name
- Company Name
- Website
- Email
- Brief info about your company
- Password
- Confirm Password
- Phone Number
- Select Country (dropdown menu)
- Attach Company Logo (Choose File button, No file chosen)

At the bottom of the form, there is a checkbox labeled "I accept terms & conditions". The Windows taskbar at the bottom shows the system time as 4:59 PM on 11/20/2022.

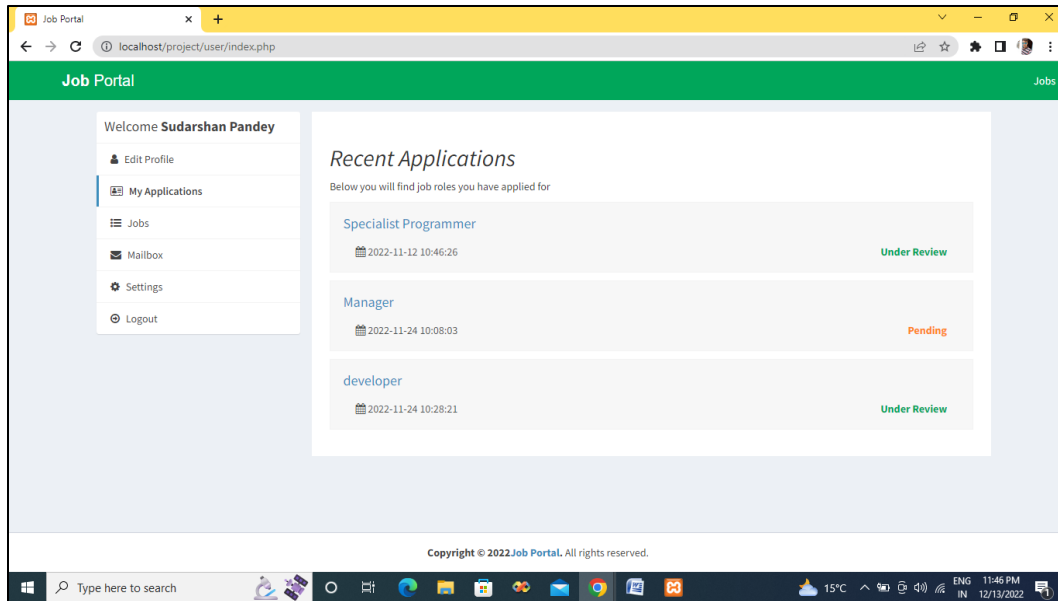
4.5 Login Page



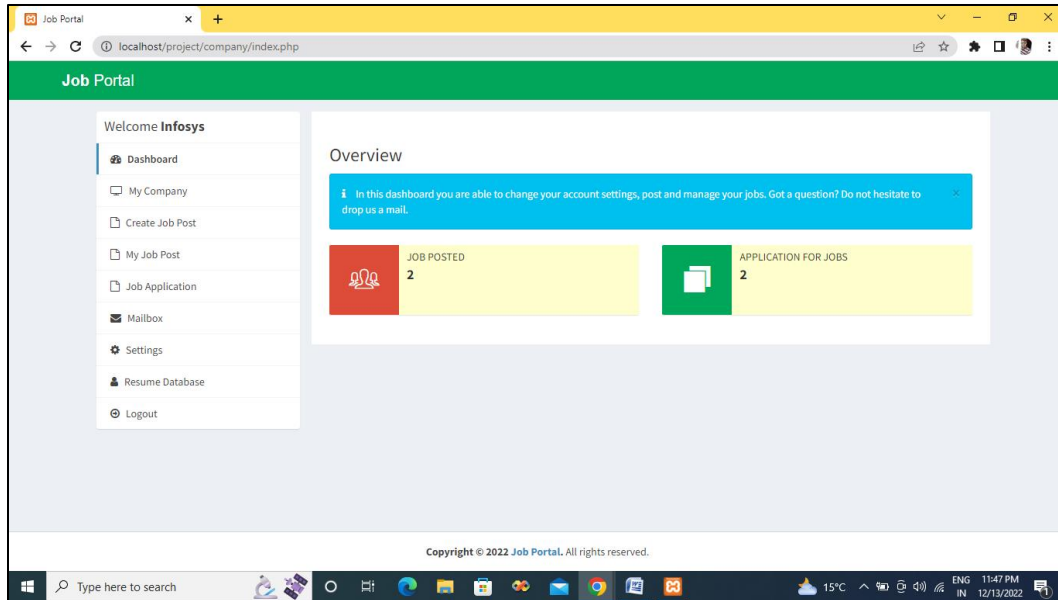
4.6 About Us Page



4.7 Candidate Dashboard



4.8 Company Dashboard



Chapter 5

CODING

5.1 Login Page Coding

```
<?php
session_start();
if(isset($_SESSION['id_user']) || isset($_SESSION['id_company'])) {
header("Location: index.php");
exit();
}
?>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<title>Job Portal</title>
<!-- Tell the browser to be responsive to screen width -->
<meta content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no"
name="viewport">
<!-- Bootstrap 3.3.7 -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/3.3.7/css/bootstrap.min.css">
<!-- Font Awesome -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
<!-- Icons -->
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/ionicons/2.0.1/css/ionicons.min.css">
<!-- Theme style -->
<link rel="stylesheet" href="css/AdminLTE.min.css">
<!-- iCheck -->
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/iCheck/1.0.2/skins/square/blue.css">
<!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
<!--[if lt IE 9]>
<script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script
```

5.2 Mailbox Code

```
<?php
session_start();

if(empty($_SESSION['id_company'])) {
header("Location: ../index.php");
exit();
}
require_once("../db.php");

if(isset($_POST)) {
$to = $_POST['to'];
$subject = mysqli_real_escape_string($conn, $_POST['subject']);
$message = mysqli_real_escape_string($conn, $_POST['description']);
$sql = "INSERT INTO mailbox (id_fromuser, fromuser, id_touser, subject, message) VALUES
('$_SESSION[id_company]', 'company', '$to', '$subject', '$message')";
```

5.3 Database Connection Code

```
<?php

//Your Mysql Config
$servername = "localhost";
$username = "root";
$password = " ";
$dbname = "job_portal";

//Create New Database Connection
$conn = new mysqli($servername, $username, $password, $dbname);

//Check Connection
if($conn->connect_error) }
```

CHAPTER 6

TESTING

Testing is a process of executing a program with the intent of finding bugs that makes the application fail to meet the expected behavior. Regardless of the development methodology, the ultimate goal of testing is to make sure that what is created does what it is supposed to do. Testing plays a critical role for assuring quality and reliability of the software. I have included testing as a part of development process. The test cases should be designed with maximum possibilities of finding the errors or bugs. Various level of testing are as follows.

Test Case

6.1 For User Registration

Field	Details
Id_user	1
firstname	Sudarshan
lastname	Pandey
email	sudarshanpandey@gmail.com
password	*****
address	Jogi Nawada
city	Bareilly
state	Uttar Pradesh
Contact no	8279372340
qualification	MCA
stream	CS
passingyear	2023
dob	13/02/1999
age	23
designation	SE
resume	Resume.pdf
hash	JND@\$N\$KML
active	1
About me	hello
skill	C,C++

Record Entered Sucessfully

6.2 For Company Registration

Field	Type
Id_Company	11
name	TCS
Company name	Tata Consultancy Services
country	India
state	Uttar Pradesh
city	Noida
Contact no	8439126990
website	www.tcs.com
email	tcs@gmail.com
password	*****
About me	Hello
logo	Logo.png
active	1

Record Entered Successfully

6.3 Login Case

Field	Type
Email	sudarshanpandey@gmail.com
Password	*****

Login Successfully

BIBLIOGRAPHY

[1] Introduction To PHP Retrieved on 10/10/2022 from
<https://www.tutorialspoint.com/php/index.htm>