A Project Report

on
Online Job Portal

Submitted in partial fulfillment of the
requirement for the award of the degree of

Bachelor of Technology in Computer Science and Engineering

Under The Supervision of
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Submitted By

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SCHOOL OF COMPUTING SCIENCE AND ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GALGOTIAS UNIVERSITY, GREATER NOIDA, INDIA

DECEMBER - 2021

SCHOOL OF COMPUTING SCIENCE AND ENGINEERING
GALGOTIAS UNIVERSITY, GREATER NOIDA

CANDIDATE'S DECLARATION

I/We hereby certify that the work which is being presented in the project, entitled **" ONLINE JOB PORTAL "** in partial fulfillment of the requirements for the award of the **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING** submitted in the **School of Computing Science and Engineering** of Galgotias University, Greater Noida, is an original work carried out during the period of **JULY-2021 to DECEMBER-2021**, under the supervision of **Dr. M. Thirunavukkarasan, Assistant Professor**, **Department of Computer Science and Engineering** of School of Computing Science and Engineering , Galgotias University, Greater Noida

The matter presented in the project has not been submitted by me/us for the award of any other degree of this or any other places.

18SCSE11010578 – ISHAN MITTAL

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This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Supervisor

(Dr. M.Thirunavukkarasan, Assistant Professor)

CERTIFICATE

The Final Thesis/Project/ Dissertation Viva-Voce examination of **18SCSE1010578 – ISHAN MITTAL, 18SCSE1010034 – PRANJAL GUPTA** has been held on _____ and his/her work is recommended for the award of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING**.

Signature of Examiner(s)   **Signature of Supervisor(s)**

Signature of Project Coordinator   **Signature of Dean**

Date:

Place:

ABSTRACT

In this competitive era, the education among the people is so increasing that the jobs for them are now decreasing. The companies even want the people who are best in their fields. At that time, it becomes difficult to find the people who are intelligent enough to be hired. The work for the companies also increases to find the people who can fulfil their requirements. Thinking about these problems, one can think about the process which can handle this process and make the work less complex. This project is about the recruitment process which is done online. The recruitment process here is handled by the system. This project will allow the person to apply for a job in the company for the interested vacancy which would be available at the company. The person will be having the account after registration and will be then called the applied user. If he would be qualified, he would be interacting with the system for the updates. The project is created for fulfilling the requests of the company managers so that the recruitment module can be placed in the company's website and the users who visit the website can view the vacancies in the company and will be able to apply directly from remote place even. The vacancies will be posted by the administrator on the basis of needs of the manpower in the company. The admin will have all rights of handling this process except the evaluation process as it is the company specific and so the steps of the evaluation process cannot be predicted. It also includes the layers at the admin side so the privileges will have great impact on the functionalities given to the different levels of admin. The privileges will be user specific, so different admin even at same level will have different privileges and so different functionalities. The higher level admin will handle whole system by himself. Although the lower level admin is given such privileges that he can send any kind of request to the higher level admin. The higher level admin can approve or disapprove the request. Whatever the result of the request approval, the notification will be sent to the lower level admin. This project plays main role at admin side for recruitment process. The start dates and end dates for applications' acceptance, the grace period, the job vacancies' postings, modifying the privileges etc. are the special features of this system.

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Acronyms

HTML	Hypertext Markup Lanuage
CSS	Cascading Style Sheets
JS	Java script

CHAPTER-1

Introduction

Job Search Portal is a web application, which serves jobseekers to find available job vacancies and Employers to identify eligible job seekers with the prospect of selecting the most qualified candidates. The only way to select best-qualified candidate is to have a pool of eligible applicants, which is possible by drawing the interest of individuals in the market. Job search portals best serve this purpose. E-recruitment has become the standard means for employers and job seekers to meet their respective objectives. 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. 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. Job search portal stands as an effective means for Employers to outline the job vacancies, responsibilities and qualifications to attract jobseekers. Using the portal jobseekers can extensively search for jobs in companies, organizations and regions they may otherwise have not learnt. In addition, candidates/Employers can write a review about an organization, which might help them to change the way things are done.
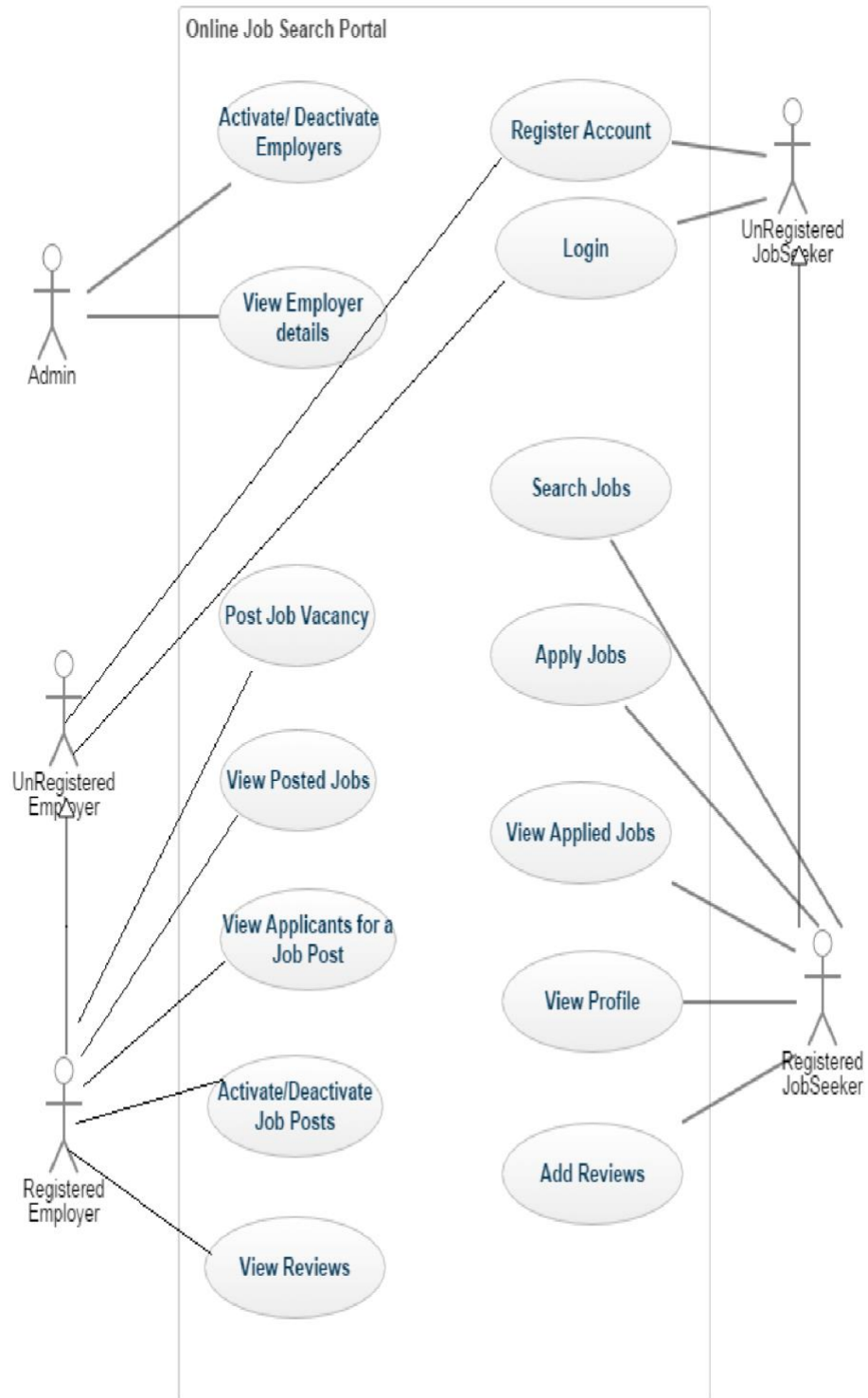
CHAPTER-2

Literature Survey

Based on the Job Search Portal application's requirements, I have made the choice of frameworks to be used. This application primarily consists of 2 main components; a web application that allows recruiters to outline job vacancies with required information for which jobseekers can view and apply according to their interests and an android application that displays the jobs that are available and applied by the applicants. This android application is developed by using the RESTful web services provided by the web application. The Java based web application is developed using jsp and servlet to connect to the MySQL database. The front end is developed using HTML, CSS, JavaScript and jQuery. Based on information from the literature review, as well as the identified job aspirants' requirements, a new web job portal was proposed. This portal is a knowledge management system for the job seekers and employers [11]. The main aim for designing this system is to achieve the objectives of this study. The job seekers' requirements for the new portal were identified from the findings of the surveys, discussed in the previous chapter. The new portal serves as a web-based tool which caters to the needs of: students and users who are already employed as general users; unemployed as the job seekers in the system, and organizations as the employers. The Admin is considered as a different category of user that manages, controls, and views the whole process in the system. According to the objectives of this study, this portal also acts as a knowledge management system, which provides information to job seekers to help them in selecting desired future

careers. Also, this system should contain information on the industries. Hence, the importance of having a job portal that shares knowledge and provides information is highlighted . This section of the portal design provides information about the different job vacancies which are offered by companies and how they relate to future jobs in the industry. A knowledge portal is a website which presents online information and services to its users. In addition, this knowledge portal can be a suitable medium for the job seekers to establish a link with the employers or HR managers. Moreover, this portal which provides updated information about the job vacancies and other related topics is a good way to satisfy the job seekers' requirements. A main feature of knowledge portals is the sharing of information from authenticated or authorized sources. This section of the portal is open for to users and will be more helpful, especially, for the students who are deciding to choose the major and selecting the courses to study and how the courses they take can affect the type of jobs, in future. In designing a system, the functional requirements reflect a set of inputs, the actions and the outputs of the system. They define the reactions of the designed system in different situation. The developed portal which also acts as a job portal also to help fresh graduates and final year job seekers to search for jobs has three sections- Admin, non-registered users and registered users.

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Use Case Diagram

Online Job Search Portal

Activate/ Deactivate Employers

Register Account

View Employer details

Login

Admin

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Search Jobs

Apply Jobs

Post Job Vacancy

View Applied Jobs

UnRegistered Employer

View Posted Jobs

View Applicants for a Job Post

View Profile

Registered JobSeeker

Activate/Deactivate Job Posts

Add Reviews

Registered Employer

View Reviews

ER-Diagram

<<Java Class>>
⊖ JobSeekerController
com.ksu.controller

- ⚡ JobSeekerController()
- ● registrationPage(Map<String,Object>,H...
- ● loginPage(Map<String,Object>)
- ● jobSearch(Map<String,Object>)
- ● searchJobs(JobDetails,Map<String,Obj...
- ● myProfile(Map<String,Object>)
- ● addReview(Map<String,Object>,HttpSe...
- ● saveReview(Review,HttpServletRequest)
- ● validateLogin(JobSeeker,HttpServletRe...
- ● validateLogin(HttpServletRequest,Map<...
- ● jobSeekerDashboard(Map<String,Obje...

<<Java Class>>
⊖ AdminController
com.ksu.controller

- ⚡ AdminController()
- ● registrationPage(Map<String,Obje...
- ● homepage(Map<String,Object>)
- ● logout(HttpServletRequest)
- ● getEmployers():ModelAndView
- ● updateStatus(HttpServletRequest)

<<Java Class>>
⊖ EmployerController
com.ksu.controller

- ⚡ EmployerController()
- ● registrationPage(Map<String,Object>)
- ● loginPage(Map<String,Object>)
- ● validateLogin(Employer,HttpServletRequest)
- ● saveVehicleDetails(Employer,HttpServletRe...
- ● postNewJob(Map<String,Object>)
- ● saveJobDetails(JobDetails,HttpServletRequ...
- ● getJobDetails():ModelAndView
- ● updateStatus(HttpServletRequest)
- ● getReviews(HttpServletRequest,Map<String,...
- ● getCandidates(HttpServletRequest)
- ● getAppliedCandidates(HttpServletRequest):...

~adminService   ~adminService

~jobSeekerService 0..1   0..1   0..1   ~employerService 0..1

<<Java Class>>
⊖ JobSeekerService
com.ksu.service

- ⚡ JobSeekerService()
- ● saveJobSeekerDetails(JobSeeker):void
- ● validateLogin(JobSeeker):JobSeeker
- ● isJobSeekerExist(String):boolean
- ● applyJob(Integer,Integer):void
- ● getJobDetails(JobDetails):List<JobDetails>
- ● validateLogin(String,String):JobSeeker

<<Java Class>>
⊖ AdminService
com.ksu.service

- ⚡ AdminService()
- ● getEmployers():List<Employer>
- ● updateStatus(Integer,String):void

<<Java Class>>
⊖ EmployerService
com.ksu.service

- ⚡ EmployerService()
- ● saveEmployer(Employer):void
- ● saveJobDetails(JobDetails):void
- ● getJobDetails():List<JobDetails>
- ● updateStatus(Integer,String):void
- ● getCandidates(Integer):Set<AppliedJobs>
- ● validateLogin(Employer):Employer
- ● getReviews(Integer):List<Review>

~jobSeekerDAO 0..1   ~adminDAO 0..1   ~employerDAO 0..1

<<Java Class>>
⊖ JobSeekerDAO
com.ksu.dao

- △ sessionFactory: SessionFactory

- ⚡ JobSeekerDAO()
- ● saveJobSeekerDetails(JobSeeker):void
- ● saveReview(Review):void
- ● activateJobSeeker(String,Integer)
- ● validateLogin(JobSeeker):JobSeeker
- ● validateLogin(String,String):JobSeeker
- ● isJobSeekerExist(String):boolean
- ● applyJob(Integer,Integer):void
- ● getJobDetails(JobDetails):List<JobDetails>
- ● getAppliedJobDetails(Integer):List<JobDetails>

<<Java Class>>
⊖ AdminDAO
com.ksu.dao

- △ sessionFactory: SessionFactory

- ⚡ AdminDAO()
- ● getEmployers():List<Employer>
- ● updateStatus(Integer,String):void

<<Java Class>>
⊖ EmployerDAO
com.ksu.dao

- △ sessionFactory: SessionFactory

- ⚡ EmployerDAO()
- ● saveEmployerDetails(Employer):void
- ● saveJobDetails(JobDetails):void
- ● getJobDetails():List<JobDetails>
- ● updateStatus(Integer,String):void
- ● getCandidates(Integer):Set<AppliedJobs>
- ● validateLogin(Employer):Employer
- ● getReviews(Integer):List<Review>

Architecture

TEST MODULE	TEST CASE	EXPECTED RESULT	TEST RESULT
ADMIN	Provide valid login credentials	User successfully logged in and directed to the admin dashboard page	PASS
ADMIN	Enters invalid login credentials	Displays Error message	PASS
ADMIN	Upon successful login, click on the 'List of Employers' tab.	Displays the details of list of active employers registered with the application	PASS
ADMIN	Click on 'Active/Deactivate' tab under status of the employer	The status of the employer will be changed to active/deactivate.	PASS
EMPLOYER	Provide details for registration	Employer successfully registered with the application	PASS
EMPLOYER	Upon successful login, click on 'Post New Job' tab	Employer posts jobs with the required details	PASS
EMPLOYER	Employer trying to post job with insufficient details	Prompts to fill in all the necessary details of the job	PASS
EMPLOYER	Employer clicks on the 'List Posted Jobs' tab	All the jobs posted by the employer will be displayed.	PASS
EMPLOYER	Employer clicks on 'Active/deactivate' under Status	The status of the job posting will changed to active/deactivated.	PASS
EMPLOYER	Employer clicks on the 'view' tab under candidates column	The list of the details of applicants for a particular job posting are displayed.	PASS
JOBSEEKER	Provide details for registration	Jobseeker successfully registered with the application	PASS
JOBSEEKER	Enters invalid login credentials	Error message displayed	PASS
JOBSEEKER	Upon successful login, click on 'My Profile' tab	List details of jobseeker	PASS

JOBSEEKER	Upon successful login, click on 'Search Jobs' tab	Details of the active job postings are displayed.	PASS
JOBSEEKER	Upon successful login, click on 'Applied Jobs' tab	Details of the jobs that are applied by the jobseeker are displayed	PASS
JOBSEEKER	Click on 'Add Review' tab	Displays a form to fill in the review details of the company	PASS
JOBSEEKER	Logout	Redirects to the Home page of the application	PASS

Table 1-Unit Test Cases for web application

The test cases for the android application are as follows.

Test Objectives: Navigation from Splash screen to Jobs screen

TEST CONDITION	INPUT SPECIFICATION	OUTPUT SPECIFICATION	PASS/FAIL
The user is currently on the Splash screen	User enters credentials and clicks on login button	Directs to Jobs screen	PASS

Table 2-Test Case for navigation to Jobs screen

Test Objectives: Navigation from Jobs Screen to Job details Screen

TEST CONDITION	INPUT SPECIFICATION	OUTPUT SPECIFICATION	PASS/FAIL
The user is currently on the Jobs screen	User clicks on the view against a particular job	Directs to Job details screen	PASS

Table 3-Test Case for navigation to job details screen

Test Objectives: Successfully submits the Job application

TEST CONDITION	INPUT SPECIFICATION	OUTPUT SPECIFICATION	PASS/FAIL
The user is currently on the Jobs page	User clicks on the 'Apply' tab against a job post	Prompts a message as "Successfully applied to this job"	PASS

Table 4-Test Case for applying jobs

Test Objectives: User checks for applied jobs

TEST CONDITION	INPUT SPECIFICATION	OUTPUT SPECIFICATION	PASS/FAIL
The user is currently on the Jobs page	User clicks on 'Applied Jobs' tab	Lists all the jobs that are applied	PASS

Source Code:

1.) Login Page

Frontend:

```html
<html>

  <head>

    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

    <title> Login Page</title>

    <link rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" >

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"

></script>

    <link rel="stylesheet" type="text/css" href="css/style.css"/>

  </head>

  <body>

    <jsp:include page="header.jsp"></jsp:include>

     <jsp:include page="navbar.jsp"></jsp:include>

     <jsp:include page="logindiv.jsp"></jsp:include>

     <jsp:include page="footer.jsp"></jsp:include>

  </body>

</html>
```

Backend:

```java
import java.io.IOException;

import java.io.PrintWriter;
```

```java
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;



import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;



/**
 *
 * @author dell
 */
public class Login extends HttpServlet
{

    @Override
    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException
    {
        resp.setContentType("text/html");
```

```java
        PrintWriter out = resp.getWriter();


        String email2 = req.getParameter("email1");

        String pass2 = req.getParameter("pass1");

        String rememberme2  =req.getParameter("remember1");

        String name , gender,city,field ;
    try
    {
        Class.forName("com.mysql.jdbc.Driver");

        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal","root","root");

        PreparedStatement ps = con.prepareStatement("select * from register where email=? and
pass=? ");


        ps.setString(1, email2);

        ps.setString(2, pass2);


        ResultSet rs = ps.executeQuery();


        if(rs.next())
        {
            name=rs.getString("name");

            gender = rs.getString("gender");

            field = rs.getString("field");

            city = rs.getString("city");
```

```java
HttpSession session = req.getSession();

session.setAttribute("session_name", name);

session.setAttribute("session_gender", gender);

session.setAttribute("session_field", field);

session.setAttribute("session_city", city);

session.setAttribute("session_email", email2);


String about="";

String skill="";

PreparedStatement ps2 =con.prepareStatement("select * from about_users where
email=?");


ps2.setString(1, email2);

ResultSet rs2 =ps2.executeQuery();


while(rs2.next())

{

    about=rs2.getString("about");

    skill  =rs2.getString("skills");

}

session.setAttribute("session_about", about);

session.setAttribute("session_skill", skill);


String filename="";

PreparedStatement ps3=con.prepareStatement("select * from profile_pics where
email=?");
```

```java
        ps3.setString(1, email2);

        ResultSet rs3  =ps3.executeQuery();

        while(rs3.next())
        {
            filename=rs3.getString("path");
        }
        session.setAttribute("session_profilepic", filename);
        resp.sendRedirect("profile.jsp");
    }
    else
    {
        RequestDispatcher rd1= req.getRequestDispatcher("header.jsp");
        rd1.include(req, resp);

        RequestDispatcher rd2 = req.getRequestDispatcher("navbar.jsp");
        rd2.include(req, resp);

        RequestDispatcher rd3 = req.getRequestDispatcher("loginerror.jsp");
        rd3.include(req, resp);

        RequestDispatcher rd4= req.getRequestDispatcher("logindiv.jsp");
        rd4.include(req, resp);

        RequestDispatcher rd5= req.getRequestDispatcher("footer.jsp");
```

```
                rd5.include(req, resp);

            }

        }

        catch(Exception e)

        {

            e.printStackTrace();

        }

    }

}
```
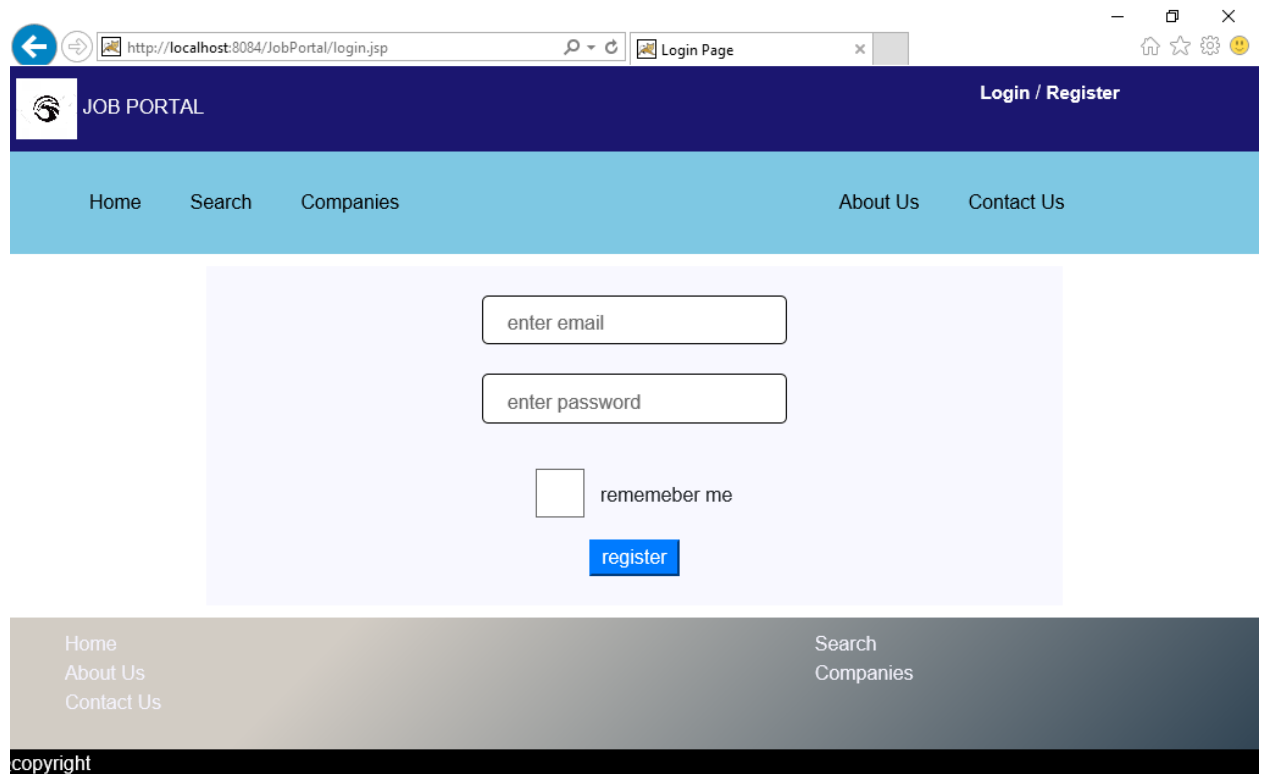
2.) Register Page:

Frontend:

```html
<html>

  <head>

    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

    <title> RegisterS Page</title>

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" >

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
></script>

    <link rel="stylesheet" type="text/css" href="css/style.css"/>


    <script>

      function val(v)

      {

         document.getElementById(v).innerHTML="";

      }


      function validation()

      {

         var flag=true;

        var name2  =document.form1.name1.value;

        var email2 = document.form1.email1.value;

        var pass2  =document.form1.pass1.value;

        var gender2 = document.form1.gender1.value;
```

```javascript
var city2  =document.form1.city1.value;

var name_pattern= /^[a-zA-Z]{5,30}$/ ;
var email_pattern=/^[a-zA-Z0-9.!#$%&'*+/=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*$/ ;

var pass_pattern=/^[a-zA-Z0-9@# ]{8,20}$/;
if(!name2.match(name_pattern))
{
    document.getElementById('name_error').innerHTML="format" ;
    flag=false ;
}

if(name2==="")
{
    document.getElementById('name_error').innerHTML="name cant be empty" ;
    flag=false ;
}

if(!email2.match(email_pattern))
{
    document.getElementById('email_error').innerHTML="format" ;

    flag=false ;
}
```

```javascript
if(email2==="")

{

    document.getElementById('email_error').innerHTML="email id cant be empty" ;


     flag=false ;

}


if(!pass2.match(pass_pattern))

{

    document.getElementById('pass_error').innerHTML="format" ;

    flag=false ;

}

 if(pass2==="")

{

    document.getElementById('pass_error').innerHTML="password cant be empty" ;

    flag=false ;

}

 if(gender2==="")

{

    document.getElementById('gender_error').innerHTML="gender cnt be empty" ;

     flag=false ;

}


if(city2==="select City")

{
```

```
            document.getElementById('city_error').innerHTML="please select the city";

              flag=false ;

            }


         return flag ;



         }



    </script>

  </head>

  <body>

     <jsp:include page="header.jsp"></jsp:include>

      <jsp:include page="navbar.jsp"></jsp:include>



      <div class="row">

        <div class="col-md-2">



        </div>

        <div class="col-md-8 register_design_div " >

           <form method="post" name="form1" onsubmit="return validation()"  action="reg">

              <h3>Register Here</h3>

              <input type="text" placeholder="enter name" name="name1"

class="reg_textfield_design" onkeyup="val('name_error')" > <br><span id="name_error"

style="color: red;"></span>  <br> <br>


                <input type="text" placeholder="enter email" name="email1"
```

```
class="reg_textfield_design" onkeyup="val('email_error')"> <br> <span id="email_error"
style="color: red;"></span> <br> <br>

            <input type="password" placeholder="enter password" name="pass1"
class="reg_textfield_design" onkeyup="val('pass_error')"> <br><span id="pass_error"
style="color: red;"></span><br> <br>

            Select Gender: <input type="radio" name="gender1" value="Male" class="option-
input radio" >Male  <input type="radio" name="gender1" value="Female" class="option-input
radio">Female  <br>  <span id="gender_error" style="color: red;"></span>  <br> <br>

            Select Fields:

                <input type="checkbox" class="option-input checkbox" name="field1"
value="Information Technology" />

                Information Technology


            <input type="checkbox" name="field1" value="Marketing" class="option-
input"/>Marketing <br>

            <input type="checkbox" name="field1" value="Sales" class="option-input"/>
Sales <br> <br>



            <select name="city1" class="reg_textfield_design" onkeyup="val('city_error')" >
                <option>select City</option>
                <option value="Aligarh">Aligarh</option>
                <option value="Delhi">Delhi</option>
                <option value="Mumbai">Mumbai</option>
                <option value="Gurgaon"> Gurgaon</option>
            </select>   <br>  <span id="city_error" style="color: red;"></span>  <br>  <br>
```

```html
                <input type="submit" value="register" class="btn-success">


            </form>

        </div>

        <div class="col-md-2">


        </div>


    </div>

    <jsp:include page="footer.jsp"></jsp:include>

  </body>
</html>
```

Backend:

```java
import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;


import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;
```

```java
import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;


public class Registration extends HttpServlet

{


    @Override

    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws

ServletException, IOException

    {

        resp.setContentType("text/html");

        PrintWriter out = resp.getWriter();


        String name2 = req.getParameter("name1");

        String email2 = req.getParameter("email1");

        String pass2 = req.getParameter("pass1");

        String gender2= req.getParameter("gender1");

        String[] field2 = req.getParameterValues("field1");

        String city2 = req.getParameter("city1");


        String fields2  ="";


        if(field2!=null)

        {


            for (String s : field2)
```

```java
      {

         fields2 = fields2 + "," + s;

      }

   }


   try

   {

      Class.forName("com.mysql.jdbc.Driver");

      Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal", "root", "root");

      PreparedStatement ps1 = con.prepareStatement("insert into

register(name,email,pass,gender,field,city) values(?,?,?,?,?,?)");


      ps1.setString(1, name2);

      ps1.setString(2, email2);

      ps1.setString(3, pass2);

      ps1.setString(4, gender2);

      ps1.setString(5, fields2);

      ps1.setString(6, city2);

      int i1= ps1.executeUpdate();


      PreparedStatement ps2=con.prepareStatement("insert into

about_users(email,about,skills) values(?,?,?)");

      ps2.setString(1, email2);

      ps2.setString(2, "");

      ps2.setString(3, "");
```

```java
        int i2  = ps2.executeUpdate();


        PreparedStatement ps3  =con.prepareStatement("insert into profile_pics(email,path)
values(?,?)");

        ps3.setString(1, email2);

        ps3.setString(2, "profilepic.png");


        int i3  =ps3.executeUpdate();


        if(i1>0 && i2>0 && i3>0)

        {

          HttpSession session = req.getSession();

          session.setAttribute("session_name", name2);

          session.setAttribute("session_email", email2);

          session.setAttribute("session_gender", gender2);

          session.setAttribute("session_city", city2);

           session.setAttribute("session_field", fields2);

           session.setAttribute("session_about", "");

           session.setAttribute("session_skill", "");

           session.setAttribute("session_profilepic", "profilepic.png");


          resp.sendRedirect("profile.jsp");


        //  out.print("registered succeefully");

         }

        else
```

```
        {

            out.println("registration failed");

        }

    }

    catch(Exception e)

    {

     out.print(e);

    }

  }

}
```
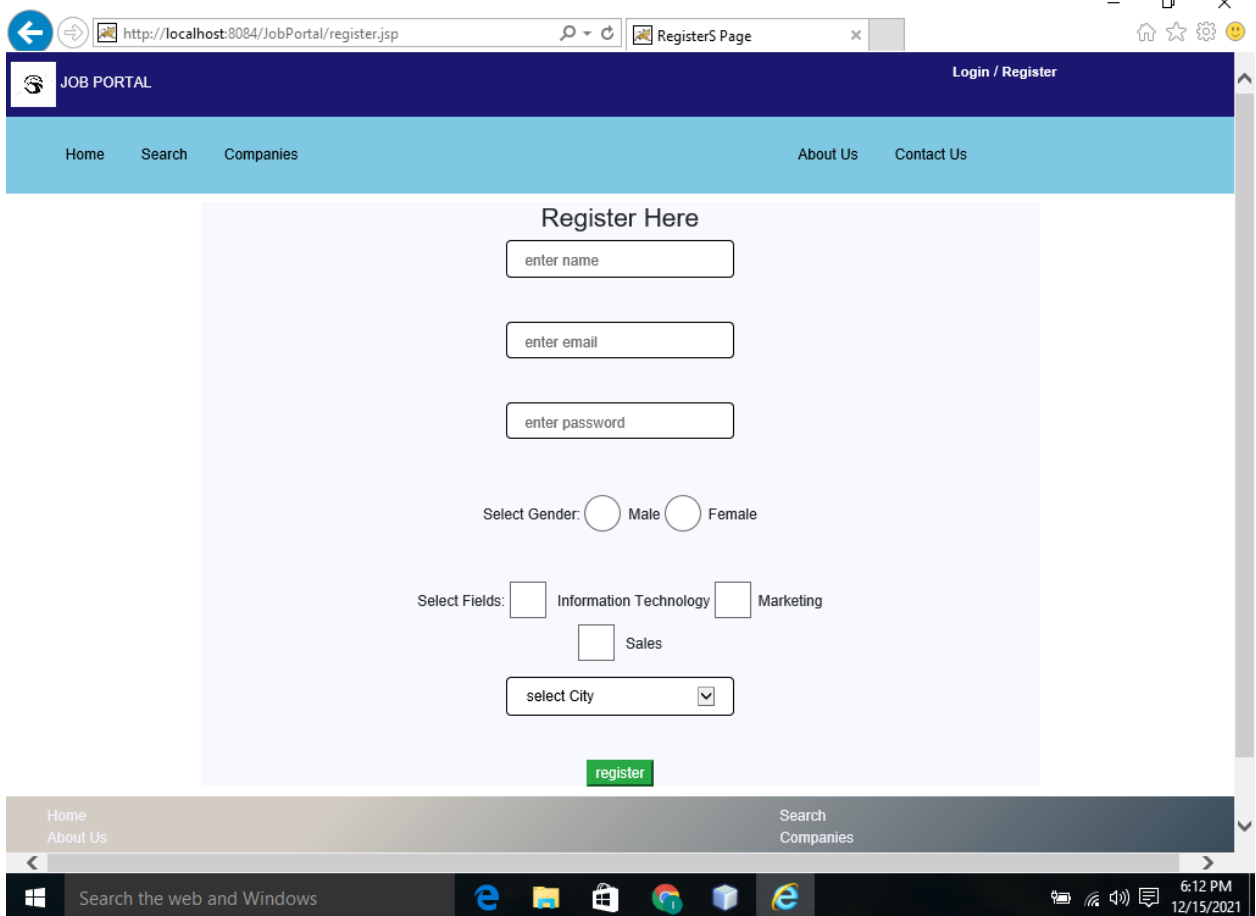

3.) Search By Technology:

Frontend:

```jsp
<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<jsp:scriptlet>

    String email=(String) session.getAttribute("session_email");

</jsp:scriptlet>

<!DOCTYPE html>

<html>

    <head>

        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

        <title>JSP Page</title>

        <link rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" >

        <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

        <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"

></script>


        <link rel="stylesheet" type="text/css" href="css/style.css"/>


        <script>

          function val(tech)

          {
```

```javascript
var obj;
 // 1 step is to creste an object
if(window.XMLHttpRequest())
{
  obj=new XMLHttpRequest();


}
else
{
   obj=new ActiveXObject("Microsoft.XMLHTTP");
}
// 2 step is to set the reuqest



obj.open("POST","SearchByTechnology?technology="+tech ,true);


//3 step is to send the request
obj.send();


obj.onreadystatechange = function()
{


  if(obj.readyState === 4 && obj.status === 200)
  {
      document.getElementById('respgenerated').innerHTML= obj.responseText;
```

```javascript
            }

        };


}
function val1(location)

{


    var obj;
     // 1 step is to creste an object
    if(window.XMLHttpRequest())

    {

        obj=new XMLHttpRequest();


    }
    else

    {

        obj=new ActiveXObject("Microsoft.XMLHTTP");

    }
    // 2 step is to set the reuqest


    obj.open("POST","SearchByLocation?location="+location ,true);


    //3 step is to send the request

    obj.send();
```

```
        obj.onreadystatechange = function()

        {


            if(obj.readyState === 4 && obj.status === 200)

            {

                document.getElementById('respgenerated').innerHTML= obj.responseText;



            }

        };

        }

    </script>

  </head>

    <style>

        body


 {

 background-image: url('images/');

 background-repeat: no-repeat;

 background-size:100% auto ;

 background-size: cover;

 height: 100%;



 }


    </style>

  <body>
```

```jsp
<div class="container-fluid imgBackground">

    <jsp:scriptlet>

    if(email==null ? email==null : email.trim().equals("null"))

    {

        </jsp:scriptlet>

    <jsp:include page="header.jsp"></jsp:include>

    <jsp:scriptlet>

    }

    else

    {

        </jsp:scriptlet>

     <jsp:include page="profileheader.jsp"></jsp:include>


    <jsp:scriptlet>

    }


    </jsp:scriptlet>


    <jsp:include page="navbar.jsp"></jsp:include>


    <!-- banner start -->

     <!-- banner start -->

      <!-- search area start -->


    <div class="row  " >
```

```html
            <div class="col-md-2 "></div>

            <div class="col-md-8 search_bar_design">

                <h4>Best platform to search for job!</h4>


                    <input type="text" placeholder="Technology.." class="textfield_design"
onkeyup="val(this.value)"><br>

                    OR <br>

                    <input type="text" placeholder="Location..." class="textfield_design"
onkeyup="val1(this.value)"/><br>


                </div >

                <div class="col-md-2"></div>


        </div>

            <!-- search area ends -->


            <div class="row">

                <div class="col-md-3">


                </div>

                <div class="col-md-6" style="background-color: #f8f2f2; margin-top: 10px;">

                    <div class="row m-2">


                        <div class="col-md-12" >

                            <span id="respgenerated" ></span>
```

```html
                    </div>

                </div>


            </div>

              <div class="col-md-3">

            </div>

          </div>

        <!-- footer part starts here -->

        <!-- footer part ends here -->


      </div>

    </body>

</html>
```

Backend:

```java
import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;
```

```java
/**
 *
 * @author dell
 */
public class SearchByTechnology extends HttpServlet
{

    @Override
    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException
    {
      PrintWriter out=resp.getWriter();
     String tech1 = req.getParameter("technology");
      String id ,jobprofile="",company="",experience="",desc="",date2="",time2="";

      try
      {
          Class.forName("com.mysql.jdbc.Driver");
         Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal","root","root");
         PreparedStatement ps = con.prepareStatement("select * from jobs where  job_profile
LIKE '%"+tech1+"%'");

         ResultSet rs=ps.executeQuery();

         while(rs.next())
```

```java
{
    id = rs.getString("id");

    jobprofile = rs.getString("job_profile");

    company = rs.getString("company");

    experience = rs.getString("experience");

    desc = rs.getString("description");

    date2 = rs.getString("date1");

    time2 = rs.getString("time1");


//          out.print(id);

//          out.print(jobprofile);

//          out.print(company);

//          out.print(experience);

//          out.print(desc);

//          out.print(date2);

//          out.print(time2);


    out.print("  <div class=\"col-md-12 display_job_div\">\n" +"
<b>"+jobprofile+"<span style=\"font-size: 10px ; float: right\">("+date2 + " & " +time2
+")</span> </b> <br> <br>\n" +
"                    <span style=\"color:#d0cfcf \">Comapny:</span>
<span>"+company+"</span> <br> <br>\n" +
"                    <span style=\"color:#d0cfcf \">experience:</span>   <span>"+experience
+"</span> <br> <br>\n" +
"                    <span style=\"color:#d0cfcf \">Description:</span>
<span>"+desc+"</span> <br> <br>\n" +
```
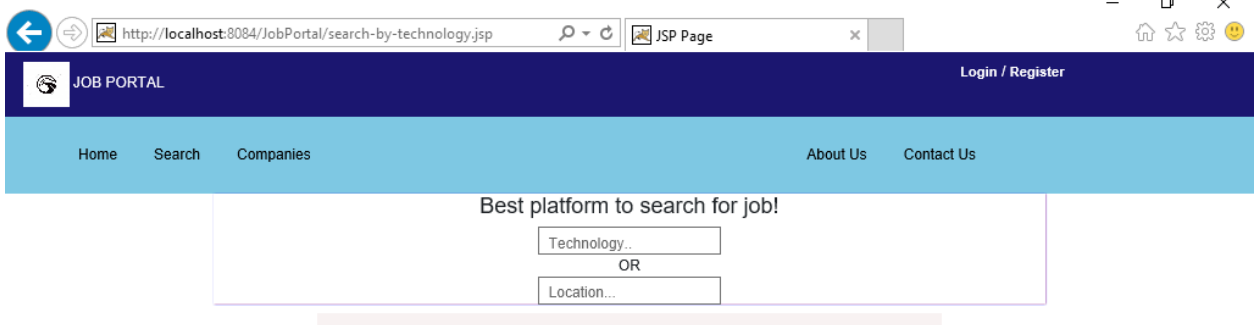
```
"                    <a href=\"job-full-details.jsp?jobid="+id+"\"> see more details</a>\n" +

"                        \n" +

"                    </div> ");

        }

    }

    catch(Exception e)

    {

        out.print(e);

    }

  }

}
```

4.) Resume Builder:

Frontend:

```jsp
<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<jsp:scriptlet>

        String name = (String) session.getAttribute("session_name");

          String name1 = name.toUpperCase();

          String email  =(String) session.getAttribute("session_email");

          String profile_pic=(String)session.getAttribute("session_profilepic");

          if (name1 == null || name1.equals("")) {

            response.sendRedirect("login.jsp");

          }


      </jsp:scriptlet>



<!DOCTYPE html>

<html>

  <head>

    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

    <title>JSP Page</title>
```

```
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" >
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
></script>
    <link rel="stylesheet" type="text/css" href="css/style.css"/>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  </head>
  <body>
    <jsp:include page="profileheader.jsp"></jsp:include>
    <jsp:include page="navbar.jsp"></jsp:include>


      <div class="row mt-3">
        <div class="col-md-2"></div>
        <div class="col-md-8">
          <div class="row " style="border: 1px solid black">
          <div class="col-md-2 mt-3">
            <img src="profilepics/<jsp:expression>profile_pic</jsp:expression>" style="height:
50px">
          </div>
            <div class="col-md-10 mt-3 mb-2" style="text-align: centre">
              <h3>Resume Builder</h3> <br>
              <form method="post" action="resumebuilder">
                <input type="text" value="<jsp:expression>name1</jsp:expression>"
```

```html
class="textfield_design" name="name2" readonly=""/><a href="edit-profile-about.jsp"
style="font-size: 15px ; " >

                    <span class="glyphicon glyphicon-pencil"  ></span> </a><br><br>

                <input type="text" value="<jsp:expression>email</jsp:expression>"
class="textfield_design" email="email1"/><br><br>

                <textarea name="address1" placeholder="Address"></textarea>

                <textarea placeholder="Career Objective" name="career1"></textarea> <br>
<br>

                <h5>Education Details  <a href="add-profile-education.jsp" style="font-size:
15px ;float: right; " >

                    <span class="glyphicon glyphicon-plus"  ></span> </a></h5>

                <table class="table table-borderless table-light">

                  <thead>

                    <tr>

                      <th scope="col">School</th>

                      <th scope="col">Degree</th>

                      <th scope="col">Year</th>

                      <th scope="col">Grade</th>

                      <th></th>

                    </tr>

                  </thead>


                   <jsp:scriptlet>

                String school="" ,degree="" , year="",grade="" ,id="";

                try

                {
```

```
                    Class.forName("com.mysql.jdbc.Driver");

            Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal", "root", "root");

            PreparedStatement ps = con.prepareStatement("select * from

add_education where email=? ");

            ps.setString(1, email);


            ResultSet rs  =ps.executeQuery();




            while(rs.next())

            {

               id=rs.getString("id");

               school = rs.getString("school");

                 degree = rs.getString("degree");

                 year = rs.getString("year");

                 grade = rs.getString("grade");



             </jsp:scriptlet>

          <tbody>

            <tr>

               <td><jsp:expression>school</jsp:expression></td>

               <td><jsp:expression>degree</jsp:expression></td>

               <td><jsp:expression>year</jsp:expression></td>
```

```jsp
				<td><jsp:expression>grade</jsp:expression></td>

				<td><a href="edit-profile-

education.jsp?id=<jsp:expression>id</jsp:expression>" style="font-size: 15px ; " >

					<span class="glyphicon glyphicon-pencil"  ></span> </a></td>

				</tr>

			<jsp:scriptlet>


					}


			}

			catch(Exception e)

			{

				e.printStackTrace();

			}


			</jsp:scriptlet>

			</tbody>

			</table>



			<h5>Experience Details   <a href="add-profile-experience.jsp" style="font-size:

15px ; float: right " >

					<span class="glyphicon glyphicon-plus"  ></span> </a></h5>



			<table class="table table-borderless table-light">
```

```html
<thead>

  <tr>

    <th scope="col">Company</th>

    <th scope="col">Location</th>

    <th scope="col">Year</th>

    <th scope="col">Job Title</th>

    <th></th>

  </tr>

</thead>
```

```jsp
<jsp:scriptlet>

String company="" ,location="" , year1="",jobtitle="" , edu="";

try

{

    Class.forName("com.mysql.jdbc.Driver");

        Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal", "root", "root");

            PreparedStatement ps = con.prepareStatement("select * from

add_experience where email=? ");

            ps.setString(1, email);


            ResultSet rs  =ps.executeQuery();
```

```
                    while(rs.next())

                    {

                      edu=rs.getString("id");

                      company = rs.getString("company");

                       location= rs.getString("location");

                        year1 = rs.getString("year");

                        jobtitle= rs.getString("job_title");



                 </jsp:scriptlet>


            <tbody>

              <tr>

                 <td><jsp:expression>company</jsp:expression></td>

                 <td><jsp:expression>location</jsp:expression></td>

                 <td><jsp:expression>year1</jsp:expression></td>

                 <td><jsp:expression>jobtitle</jsp:expression></td>

                 <td><a href="edit-profile-
experience.jsp?edu=<jsp:expression>edu</jsp:expression>" style="font-size: 15px ; " >
                   <span class="glyphicon glyphicon-pencil"  ></span> </a></td>

                   </tr>




<!--                    <input type="text" value="<jsp:expression>company</jsp:expression>"  />

                 <input type="text" value="<jsp:expression>location</jsp:expression>"/>
```

```
                <input type="text" value="<jsp:expression>year1</jsp:expression>"

style="width: 100px"/>

                <input type="text"

value="<jsp:expression>jobtitle</jsp:expression>"style="width: 100px" />

                <br><br>-->


                <jsp:scriptlet>



                    }



                }

                catch(Exception e)

                {

                    e.printStackTrace();

                }



                </jsp:scriptlet>

                </tbody>

                </table>




                <h5>Personal Details</h5><br>

                <input type="date" value="" class="textfield_design" name="date1"/> <br>

<br>
```

```html
                        <input type="text" placeholder="Gender/Marital status" value=""

class="textfield_design" name="marital1"/><br>   <br>

                        <input type="text"  placeholder="Language Proficiency" value=""

class="textfield_design" name="language1"/><br><br>

                         <textarea placeholder="Hobbies" name="hobbies1"></textarea><br>

                        <input type="submit" value="Build Resume" class="btn btn-success"> <br>


                    </form>
                </div>



            </div>


              </div>
            <div class="col-md-2"></div>


        </div>


        <jsp:include page="footer.jsp"></jsp:include>
    </body>
</html>
```

Backend:

```java
import com.itextpdf.text.BaseColor;

import com.itextpdf.text.Document;
```

```java
import com.itextpdf.text.FontFactory;

import com.itextpdf.text.Image;

import com.itextpdf.text.Paragraph;

import com.itextpdf.text.Phrase;

import com.itextpdf.text.pdf.PdfPCell;

import com.itextpdf.text.pdf.PdfPTable;

import com.itextpdf.text.pdf.PdfWriter;

import java.awt.Font;

import java.io.FileOutputStream;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;


/**
 *
 * @author dell
 */
public class ResumeBuilder extends HttpServlet

{
```

```java
    @Override
    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException
    {
        try {
            HttpSession session = req.getSession();
            String name = (String) session.getAttribute("session_name");
            String email = (String) session.getAttribute("session_email");
            String profilepic  = (String)session.getAttribute("session_profilepic");


            String address2 = req.getParameter("address1");
            String career2 = req.getParameter("career1");
            String date2 = req.getParameter("date1");
            String marital2 = req.getParameter("marital1");
            String language2 = req.getParameter("language1");
            String hobbies2 = req.getParameter("hobbies1");


            String pdf_file_name = name + ".pdf";


            Document document = new Document();
            PdfWriter writer = PdfWriter.getInstance(document, new
FileOutputStream(ProfilePath.profile_builder_path + pdf_file_name));


            document.open();
```

```java
        String font_name = "Arial";

        float font_size = 30;

        int style = Font.BOLD;


        Paragraph title = new Paragraph("Resume", FontFactory.getFont(font_name, font_size,
style, BaseColor.RED));

        document.add(title);


        Paragraph emptyspace = new Paragraph(" ");

        document.add(emptyspace);


        Image image1  =Image.getInstance(ProfilePath.Profile_Pic_Path+profilepic);

        image1.scaleAbsolute(100f, 100f);

        document.add(image1);


        // names and email

        Paragraph names = new Paragraph(name);

        document.add(names);


        Paragraph emails = new Paragraph("(" + email + ")", FontFactory.getFont("Arial", 10));

        document.add(emails);

        document.add(emptyspace);


        // career

        Paragraph career_title = new Paragraph("Career Objective",
FontFactory.getFont("Arial", 15, Font.BOLD, BaseColor.BLACK));
```

```java
        document.add(career_title);

        document.add(emptyspace);


        Paragraph career = new Paragraph(career2);

        document.add(career);


    // educational details
        Paragraph edu_title = new Paragraph("Education", FontFactory.getFont("Arial", 15,

Font.BOLD, BaseColor.BLACK));

        document.add(edu_title);

        document.add(emptyspace);


        PdfPTable table = new PdfPTable(4);

        table.spacingBefore();


        PdfPCell c1 = new PdfPCell(new Phrase("Year"));

        table.addCell(c1);


        PdfPCell c2 = new PdfPCell(new Phrase("Schhol/College"));

        table.addCell(c2);


        PdfPCell c3 = new PdfPCell(new Phrase("Degree"));

        table.addCell(c3);


        PdfPCell c4 = new PdfPCell(new Phrase("Grade"));

        table.addCell(c4);
```

```java
        String year1 = "", school1 = "", degree1 = "", grade1 = "";
        try {

            Class.forName("com.mysql.jdbc.Driver");

            Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal", "root", "root");

            PreparedStatement ps1 = con.prepareStatement("select * from add_education where

email=? ");

            ps1.setString(1, email);

            ResultSet rs1 = ps1.executeQuery();

            while (rs1.next()) {

                year1 = rs1.getString("year");

                school1 = rs1.getString("school");

                degree1 = rs1.getString("degree");

                grade1 = rs1.getString("grade");


                table.addCell(year1);

                table.addCell(school1);

                table.addCell(degree1);

                table.addCell(grade1);

            }


        } catch (Exception e) {

            e.printStackTrace();

        }

        document.add(table);
```
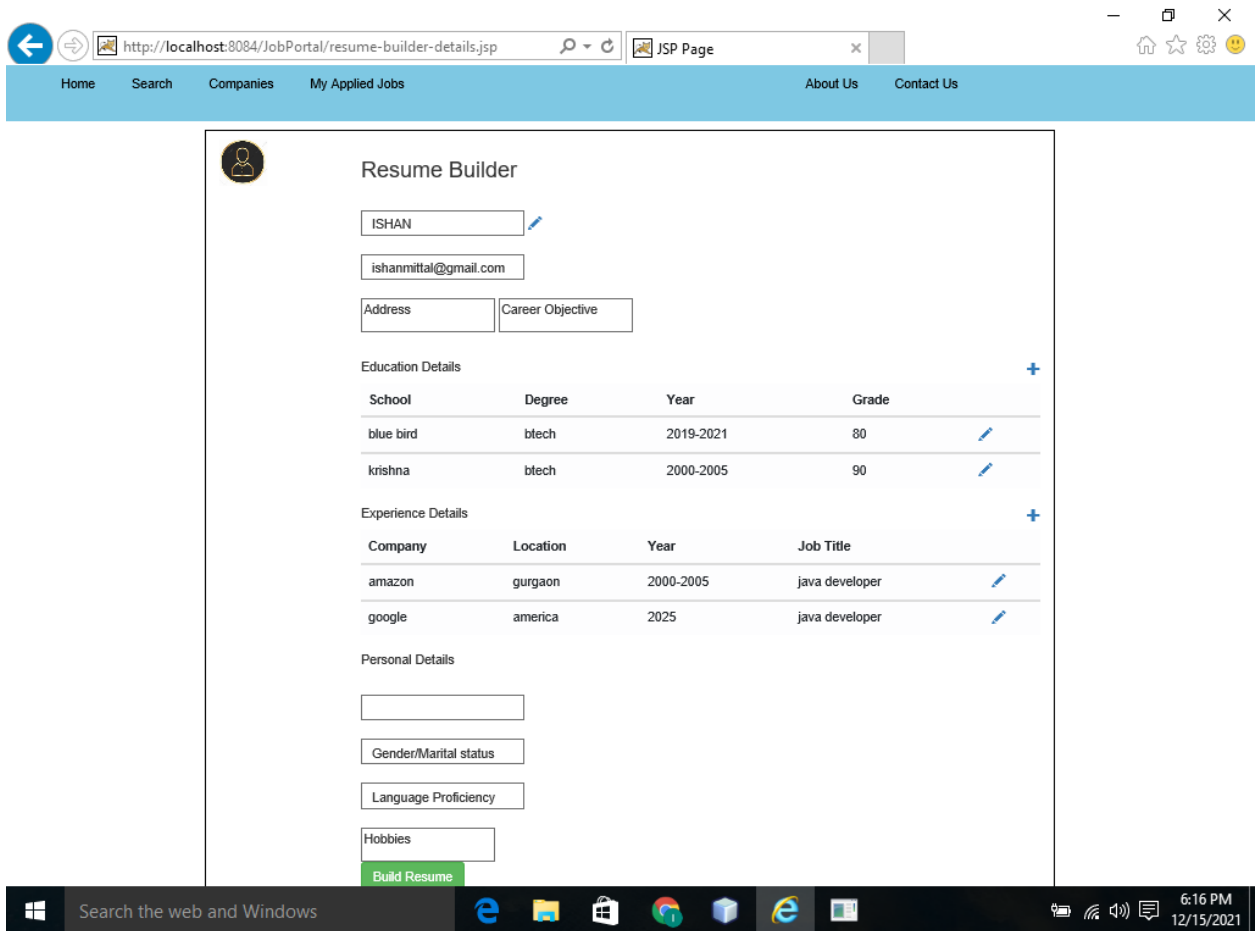
```java
//experience details

Paragraph exp_title = new Paragraph("Experience", FontFactory.getFont("Arial", 15,

Font.BOLD, BaseColor.BLACK));

document.add(exp_title);

document.add(emptyspace);


PdfPTable table1 = new PdfPTable(4);

table1.setSpacingBefore(10);


PdfPCell c5 = new PdfPCell(new Phrase("Year"));

table1.addCell(c5);


PdfPCell c6 = new PdfPCell(new Phrase("Company"));

table1.addCell(c6);


PdfPCell c7 = new PdfPCell(new Phrase("Job Title"));

table1.addCell(c7);


PdfPCell c8 = new PdfPCell(new Phrase("Location"));

table1.addCell(c8);


String year2 = "", company1 = "", jobtitle1 = "", location1 = "";

try {

    Class.forName("com.mysql.jdbc.Driver");

    Connection con2 =
```

```java
DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal", "root", "root");

        PreparedStatement ps2 = con2.prepareStatement("select * from add_experience
where email=? ");

        ps2.setString(1, email);

        ResultSet rs2 = ps2.executeQuery();

        while (rs2.next()) {

            year2 = rs2.getString("year");

            company1 = rs2.getString("company");

            jobtitle1 = rs2.getString("job_title");

            location1 = rs2.getString("location");


            table1.addCell(year2);

            table1.addCell(company1);

            table1.addCell(jobtitle1);

            table1.addCell(location1);

        }


    } catch (Exception e) {

        e.printStackTrace();

    }

    document.add(table1);


    Paragraph personal_title = new Paragraph("Personal Details",
FontFactory.getFont("Arial", 15, Font.BOLD, BaseColor.BLACK));

    document.add(personal_title);

    document.add(emptyspace);
```

```java
        Paragraph dob = new Paragraph("Date of Birth:" + date2);

        document.add(dob);

        document.add(emptyspace);


        Paragraph marital = new Paragraph("Status::" + marital2);

        document.add(marital);

        document.add(emptyspace);


        Paragraph lang = new Paragraph("Language:" + language2);

        document.add(lang);

        document.add(emptyspace);


        Paragraph hobby = new Paragraph("Hobbies:" + hobbies2);

        document.add(hobby);

        document.add(emptyspace);


        Paragraph addr = new Paragraph("Address:" + address2);

        document.add(addr);

        document.add(emptyspace);


        document.close();

        resp.sendRedirect("profile.jsp");


    } catch (Exception e) {

        e.printStackTrace();
```

```
            }

        }

    }
```


5.) Contact Us:

Frontend:

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<jsp:scriptlet>

```jsp
    String email=(String) session.getAttribute("session_email");
</jsp:scriptlet>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" >
        <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
        <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
></script>
        <link rel="stylesheet" type="text/css" href="css/style.css"/>

        <style>
            .imgBackground {
    background-image: url('images/back.jpg');

    background-repeat: no-repeat;

    background-size:100% auto ;

    background-size: cover;

    height: 100%;
}
        </style>
    </head>
    <body>
        <div class="container-fluid imgBackground " >
```

```jsp
<jsp:scriptlet>

if(email==null ? email==null : email.trim().equals("null"))

{

    </jsp:scriptlet>

<jsp:include page="header.jsp"></jsp:include>

<jsp:scriptlet>

}

else

{

    </jsp:scriptlet>

 <jsp:include page="profileheader.jsp"></jsp:include>


<jsp:scriptlet>

}

 </jsp:scriptlet>


<jsp:include page="navbar.jsp"></jsp:include>


<!-- banner start -->
 <!-- banner start -->
  <!-- search area start -->
  <div class="row  " >
    <div class="col-md-2 "></div>

    <div class="col-md-8 search_bar_design">

    </div >

    <div class="col-md-2"></div>
```

```html
		</div>

		<!-- search area ends -->


		<div class="row">


			<div class="col-md-2">

				<ul>



				</ul>

			</div>

			<div class="col-md-8" style=" margin-top: 10px;">

			<jsp:scriptlet>

			if(email==null ? email==null :email.trim().equals("null"))

			{

				</jsp:scriptlet>

			<jsp:include page="contact-us-no-user.jsp"></jsp:include>

			<jsp:scriptlet>

			}

			else

			{

				</jsp:scriptlet>

				<jsp:include page="contact-us-user.jsp"></jsp:include>

				<jsp:scriptlet>

			}

			</jsp:scriptlet>
```

```html
                <iframe src="https://www.google.com/maps/d/embed?mid=1GC-
26pGg4Z58eto8mukpi6dyUj4&hl=en" width="640" height="380"></iframe>


            </div>
              <div class="col-md-2">
              </div>
          </div>
      <!-- footer part starts here -->
      <jsp:include page="footer.jsp"></jsp:include>
      <!-- footer part ends here -->
    </div>
  </body>
</html>
```

Backend:

```java
import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;
```

```java
import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


public class ContactUs extends HttpServlet
{
    @Override
    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException
    {
        PrintWriter out =resp.getWriter();
      String name  = req.getParameter("name1");
      String email  = req.getParameter("email1");


      String subject= req.getParameter("sub1");
      String message = req.getParameter("msg1");


     Date d = new Date();
       SimpleDateFormat sdf1  =new SimpleDateFormat("dd-MM-yyyy");
       String date1  = sdf1.format(d);


         SimpleDateFormat sdf2  =new SimpleDateFormat("HH:mm:ss");
       String time1  = sdf2.format(d);
       try
       {
          Class.forName("com.mysql.jdbc.Driver");
         Connection con =
```

```java
DriverManager.getConnection("jdbc:mysql://localhost:3306/jobportal","root","root");

        PreparedStatement ps = con.prepareStatement("insert into

contact_us(name,email,subject,message,date1,time1) values(?,?,?,?,?,?)");

        ps.setString(1, name);

        ps.setString(2, email);

        ps.setString(3, subject);

        ps.setString(4, message);

        ps.setString(5, date1);

        ps.setString(6, time1);


        int i=ps.executeUpdate();

        if(i>0)

        {

            String subject1="Thank You";

            String message1 ="Our team will contact to you as soon as possible!";

            SendConfirmationMail.SendConfirmationMail(email,subject1,message1);
//          resp.sendRedirect("contact-us.jsp");

            RequestDispatcher rd1 = req.getRequestDispatcher("success.jsp");

            rd1.include(req, resp);

             RequestDispatcher rd2 = req.getRequestDispatcher("contact-us.jsp");

            rd2.include(req, resp);


        }

        else

        {

            resp.sendRedirect("profile.jsp");
```
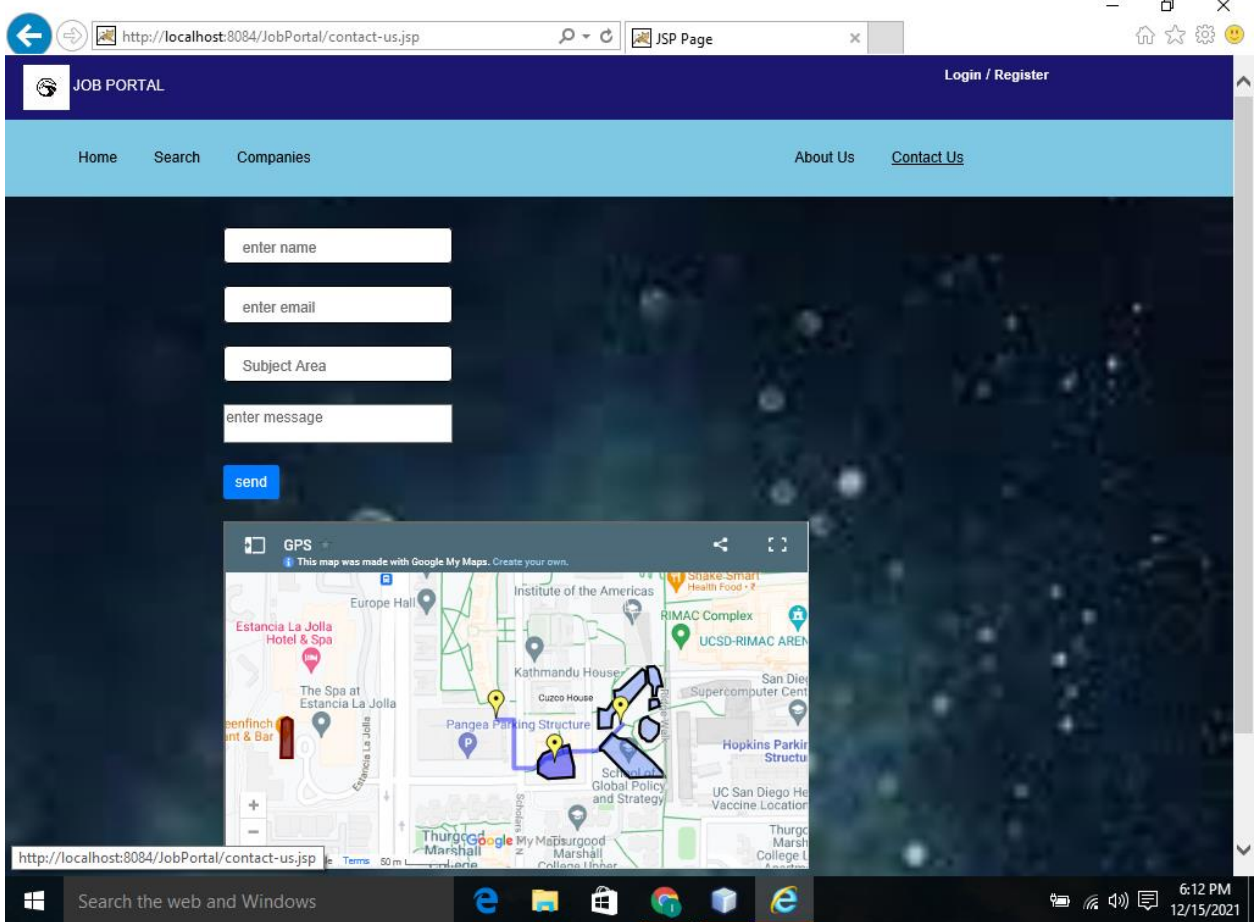
```
        }

    }

    catch(Exception e)

    {

        e.printStackTrace();

    }

    }

}
```

Results

The overall purpose of this system is to computerized the whole process and thus prevent the intervening errors. We also tried to follow the holistic design principle so that the interface of the system is simple. During the course of this assignment we have gone through many obstacles which made us to research and though increased our knowledge.

At last it can be concluded that the Job Portal System was a real learning experience. The principles of software production were well implemented throughout the system. The whole project undergoes with full of enthusiasm and with full of joyous moments. The project has been made as per as the given specification. The system has been made as user friendly. That is why Management holds an important place in the software production. Working on the Project was really a learning experience and we have come a long way in building our concepts of Software engineering. The overall purpose of this system is to computerized the whole process and thus prevent the intervening errors. We also tried to follow the holistic design principle so that the interface of the system is simple. During the course of this assignment we have gone through many obstacles which made us to research and though increased our knowledge. After applying all the data modelling, object modelling and process modelling techniques now we are very well clear with all these concepts and fundamentals which will be going to help us in the future.

Conclusion

The developers challenged various issues to develop a system for responding some problems that job seekers and companies are facing today. The main aim of this work is to develop a web portal, which caters for various types of users and is easy to use. The advantages of the new portal are as follows:

1) Achieve the main targets of the Project

2) Standard content, services and display

3) High level management and flexibility

This work had focused on improving the online job portals and tried to reduce some problems that existed in them by developing a knowledge system that also acts as a job portal. Thus, this portal can be more beneficial with further enhancements the services and features. The developers divided the future enhancement of this system into three areas of improvements, as follows:

1) Graphic improvements

2) Contents improvements

3) Technical improvements

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