Student Placement Relationship Management

Guided By,

Dr. E. Baby Anitha, M.E., Ph.d.,

Assistant Professor,

Dept of CSE.

Submitted By,

T. Aishwarya (1413003)

V. Karthikeyan (1413043)

V. Kowsic Raj (1413051)

M.S. Praveenraj (1413075)

Abstract

Student Placement Relationship Management is a web application, based on Customer Relationship Management (CRM). The student placement relationship management is a Job Portal developed for creating an interactive job vacancy for candidates. This web application is to be conceived in its current form as a dynamic site-requiring constant updates both from the seekers as well as the companies. On the whole the objective of the project is to enable jobseekers to place their resumes and companies to publish their vacancies. It enables jobseekers to post their resume, search for jobs, view personal job listings. It will provide various companies to place their vacancy profile on the site and also have an option to search candidate resumes. Based on the criteria given by the company, job offers are sent to the job seekers.

Introduction

- Customer Relationship Management (CRM) is an approach to manage a company's interaction with current and potential customers. This web application is developed for managing interaction between jobseekers, college and company. Here jobseekers are students from various colleges, institutes or professionals. Apart from this there will be an admin for the application to make changes to the database content. This web application can be deployed in cloud technology.

Existing system

- Before creating this website, all jobseekers to send their resumes or information through postal mails or they use person to person contacts with each other. It will take long time to send their requirements through this type of communications.
- Here there May error occurs in the process. The administration faces the problems to collect all the information from clients and consultants to analyze the requirement in the corresponding Clients. Administration has to send requirements information to different consultants and jobseekers.

Existing System Disadvantages

- Duplication of jobs
- Time consumption is high.
- Difficult to data maintenance and search.
- Data can be loss.
- No proper feedback or intimations
- Takes more time to apply a job
- Heavy work load because maintained in the form of files or records.

Proposed System

- Here all job seekers send their resumes or information through our site. It does not consume much of time. It is very easier to modify if any error occurs in the process. It is also very easier to administrator to collect information from clients and consultants. Proper intimations to job seekers through Emails is possible.

Hardware Requirements

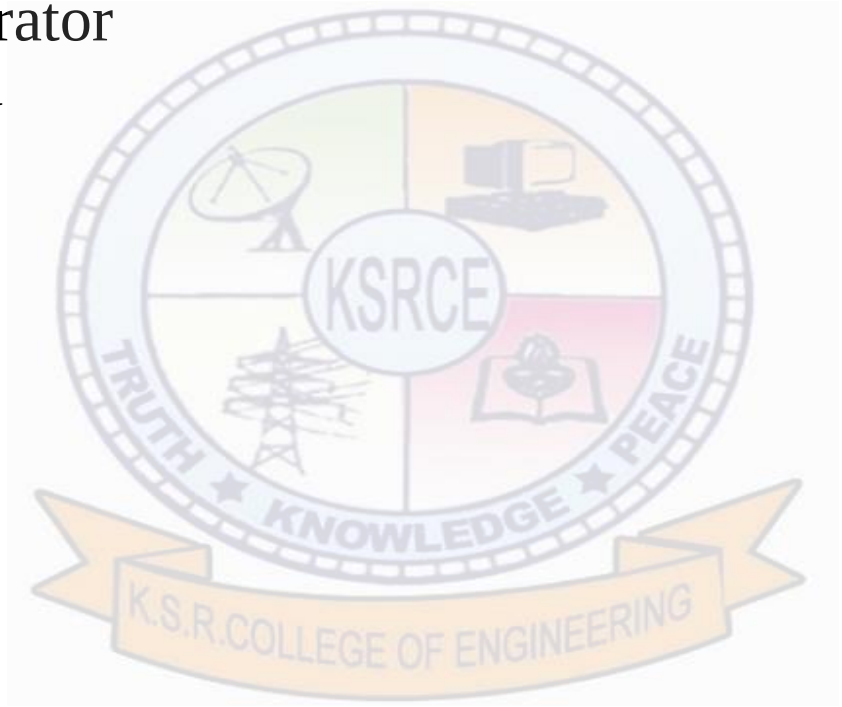
- Processor Speed -------- 2 GHz or above
- RAM Capacity -------- 2 GB or above
- Hard Disk -------- 20 GB or above

Software Requirements

- Operating System -------- Windows 7 or above
- Browser -------- Chrome, Mozilla, IE
- Web/Application Server -------- Tomcat, SMTP, XAMPP
- Database Server -------- MySql
- Database Connectivity -------- JDBC
- Technologies Used -------- J2EE, HTML, CSS, JS
- IDE -------- Eclipse (EE)
- Other Tools -------- JDK 1.8

Modules

1. Administrator
2. Company
3. College
4. Student



Administrator

- The administrator module having all privileges about this entire project, he can update, delete, and modify the details about job seeker, job provider, client and Job Search details. Administrator maintain the client and job seeker database, where ever client is releasing their requirements(vacancies) with particular primary skills and experience, on that time administrator search for job seekers, who are having that primary skills and experience. Administrator sends the message for selected candidates.

Company

- This module having information about job provider and requirement details, which client recruiting the employees, and what based them recruiting the employees. Here client releasing the primary skills, experience, no. of vacancies, opening date, closing and closing date.

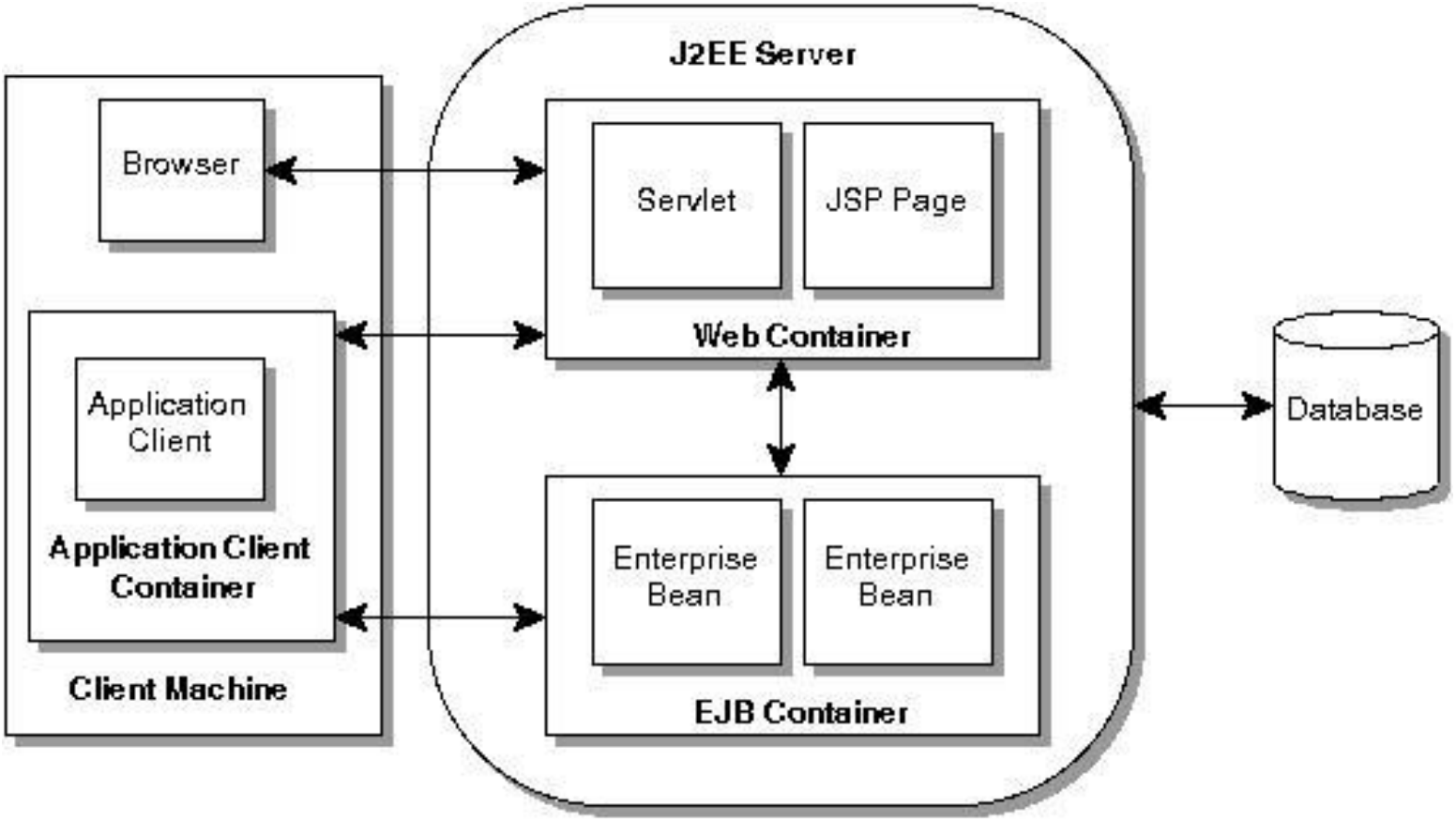
College

- This module consisting details about the College, College profile, Student details, Job details. This is intermediate to Student and Company.

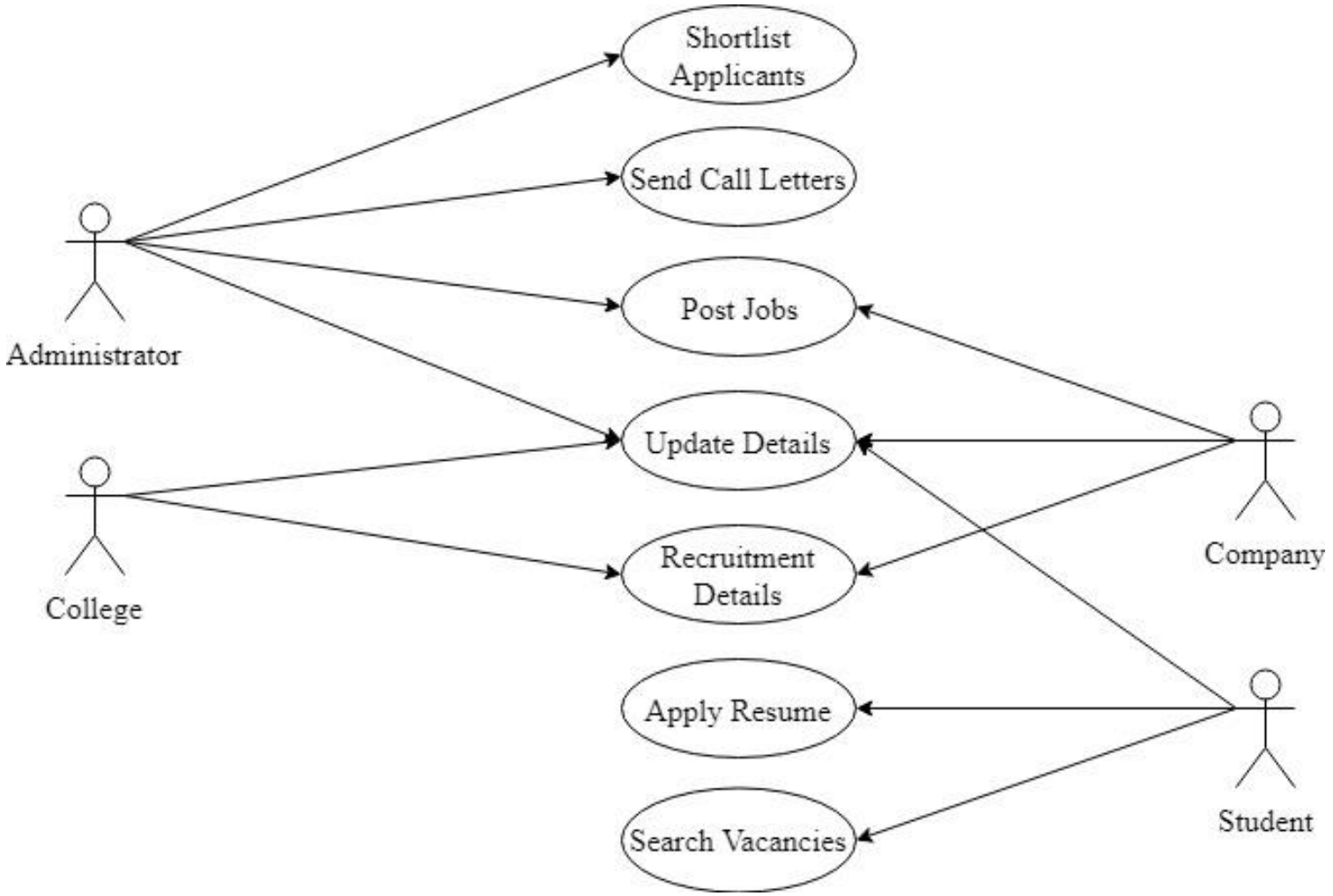
Student

- This module contains details about Job Seeker, i.e. student details. Like student name, email, skills, experience. Here students can do create, update and modify resume. They can update experience and skills details also.

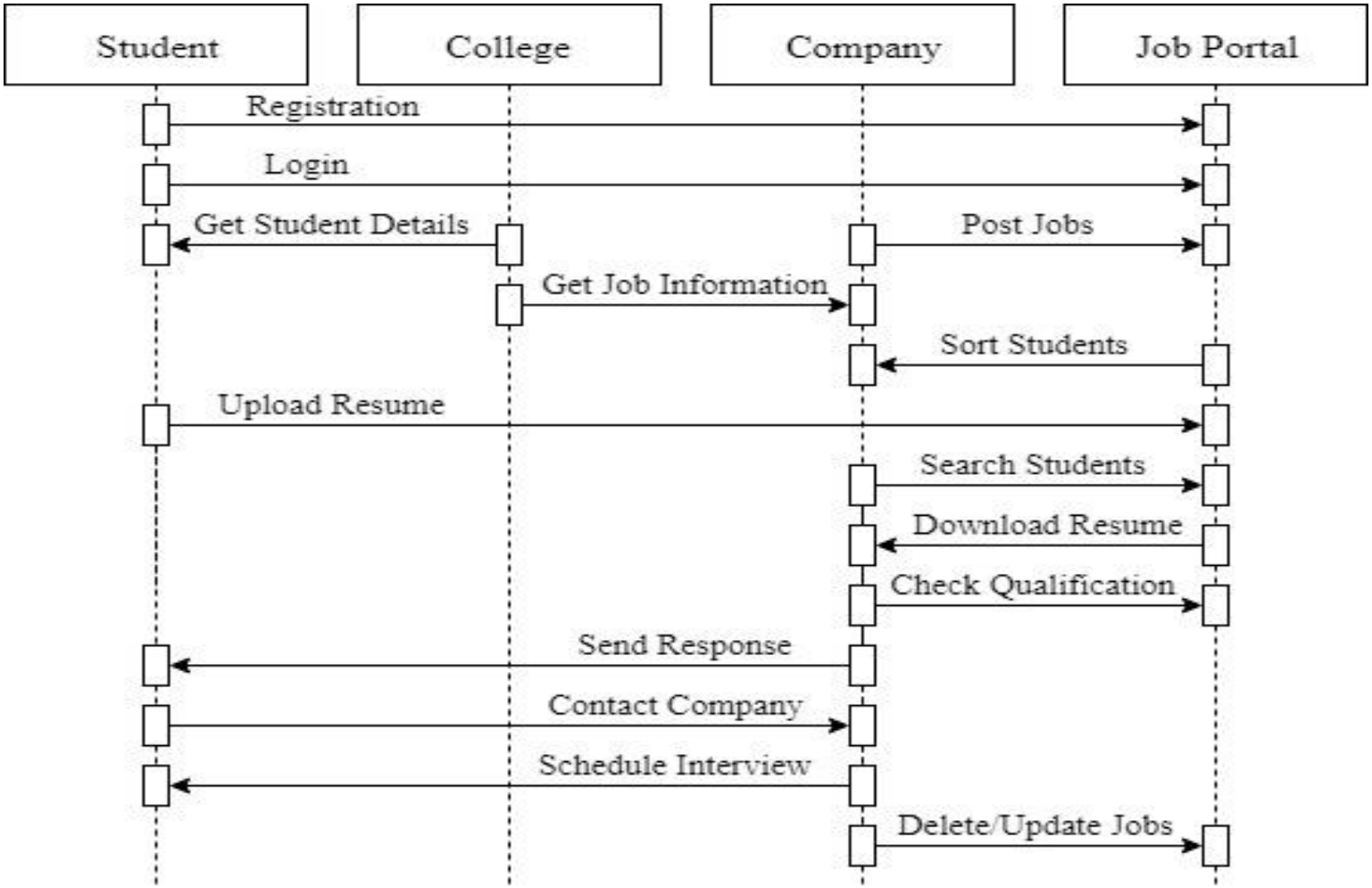
System Architecture



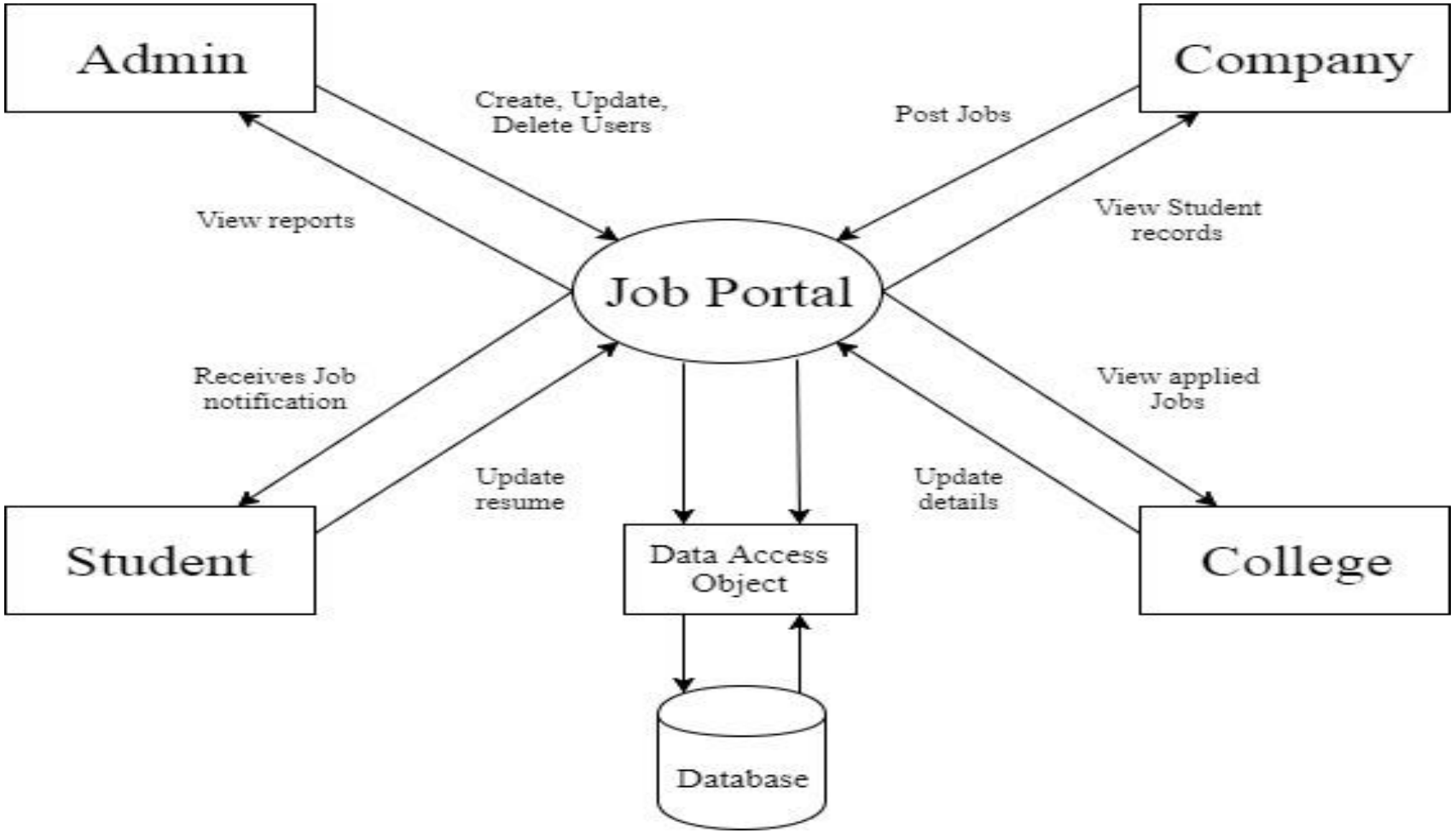
Use Case Diagram



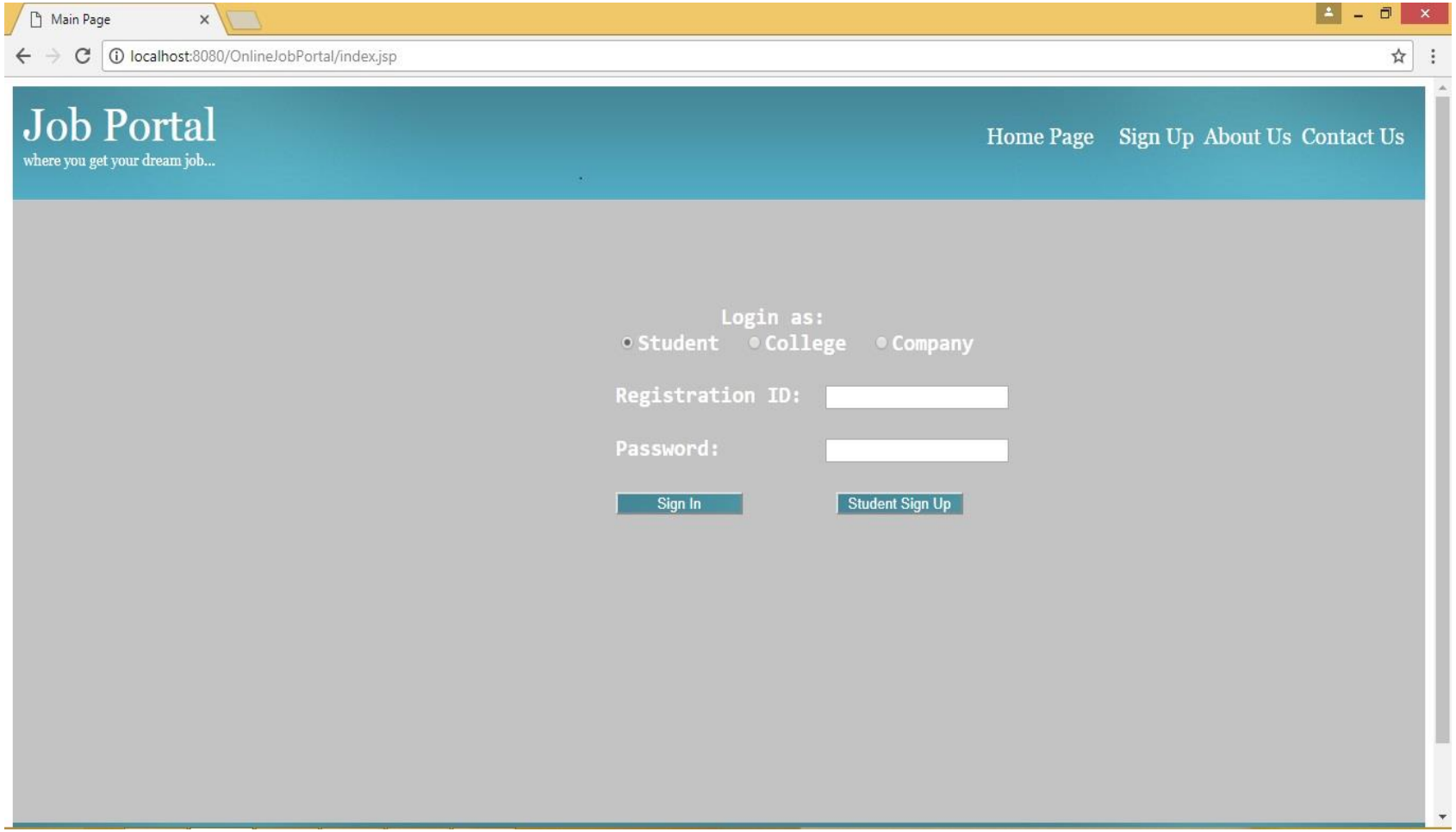
Sequence Diagram



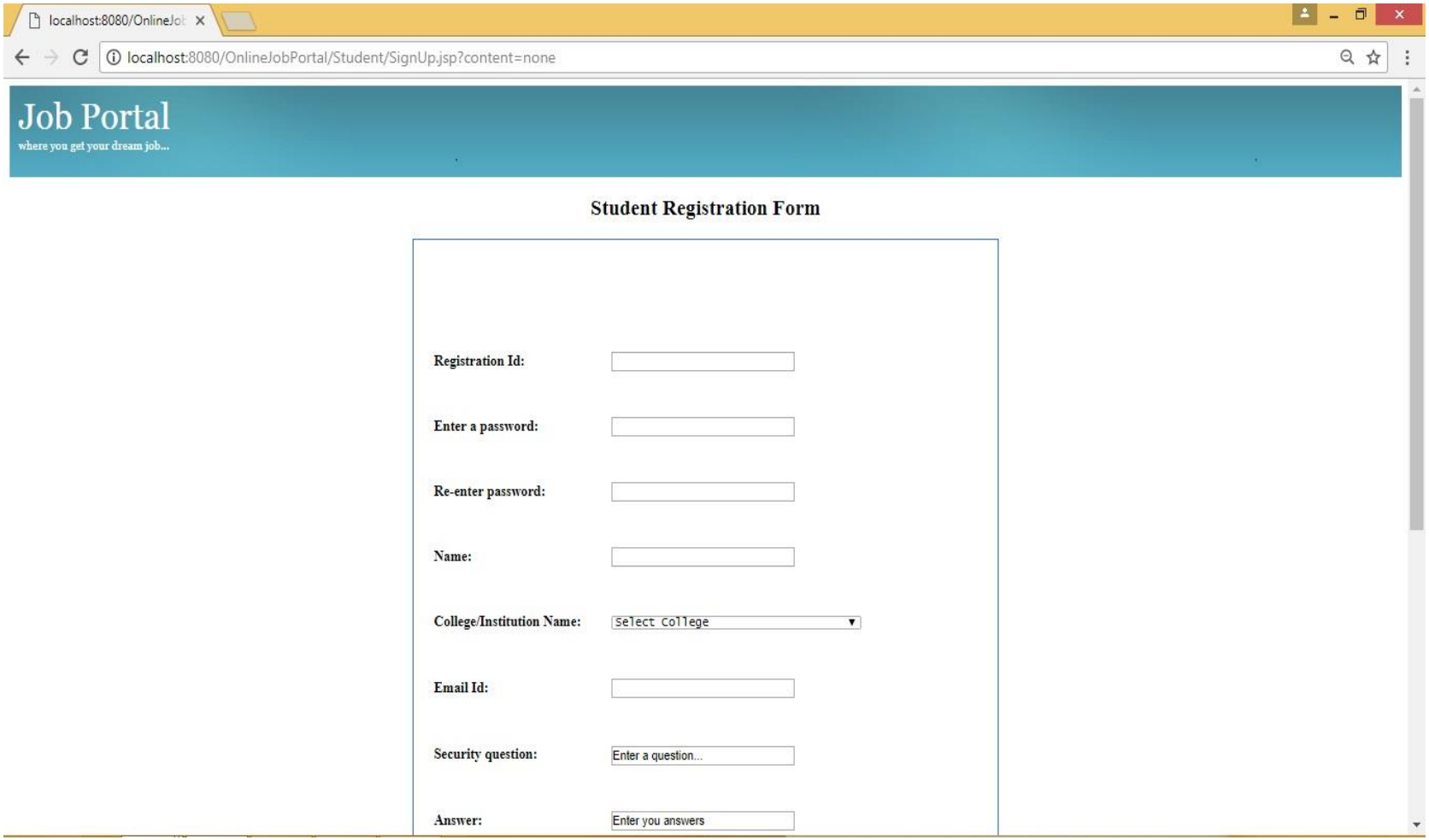
Data Flow Diagram



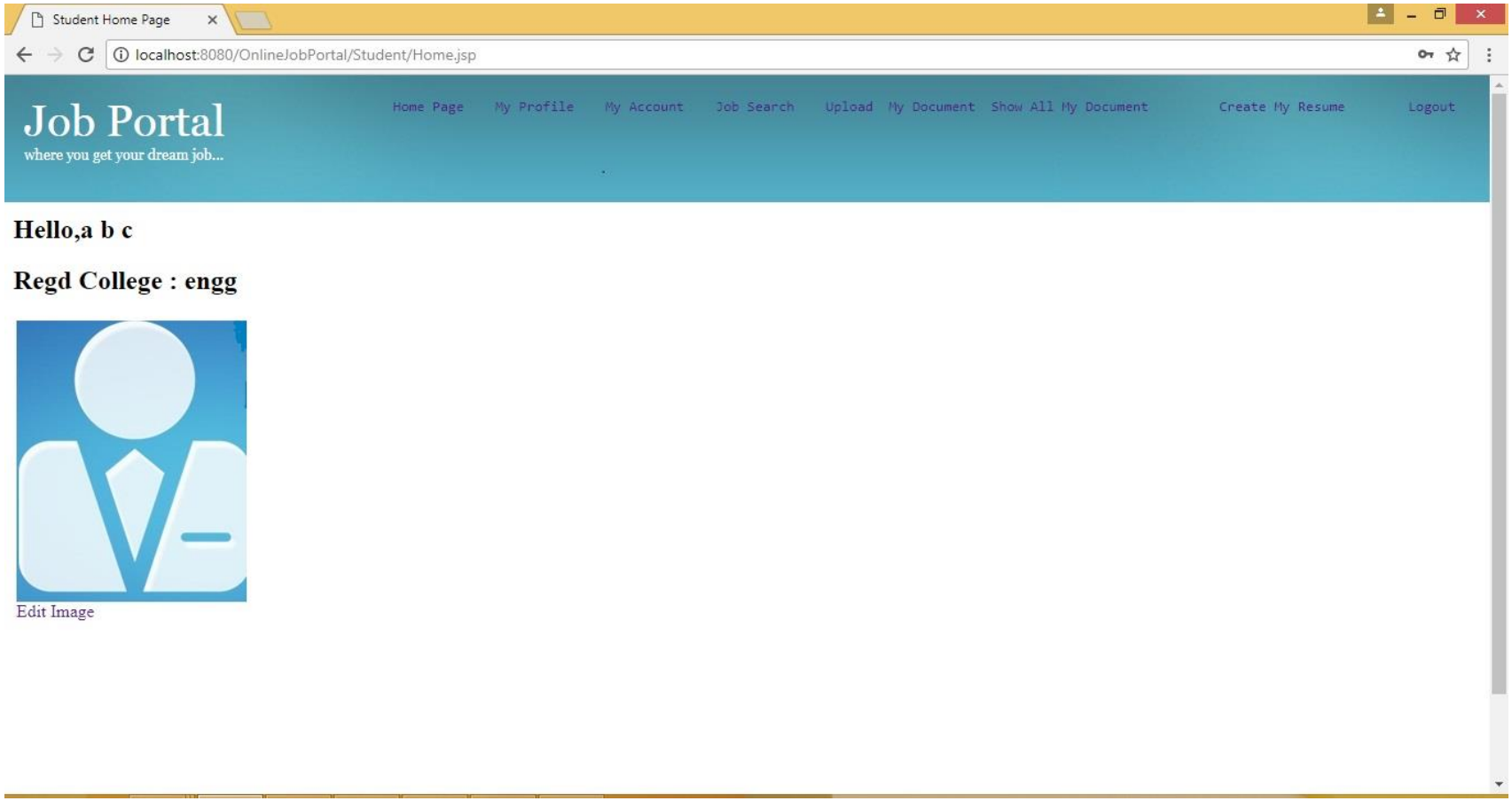
Screenshot - Login



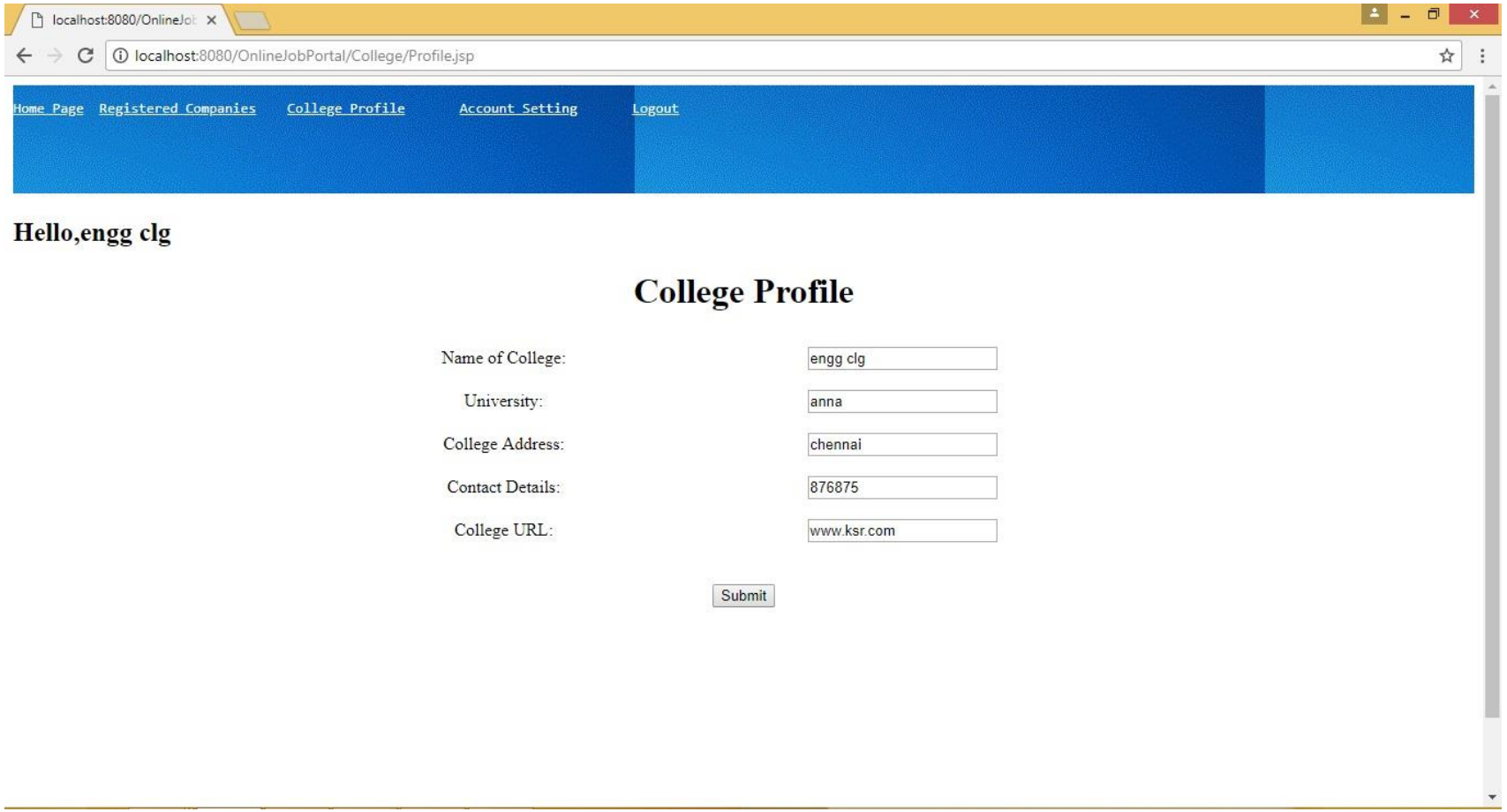
Screenshot – Registration Form



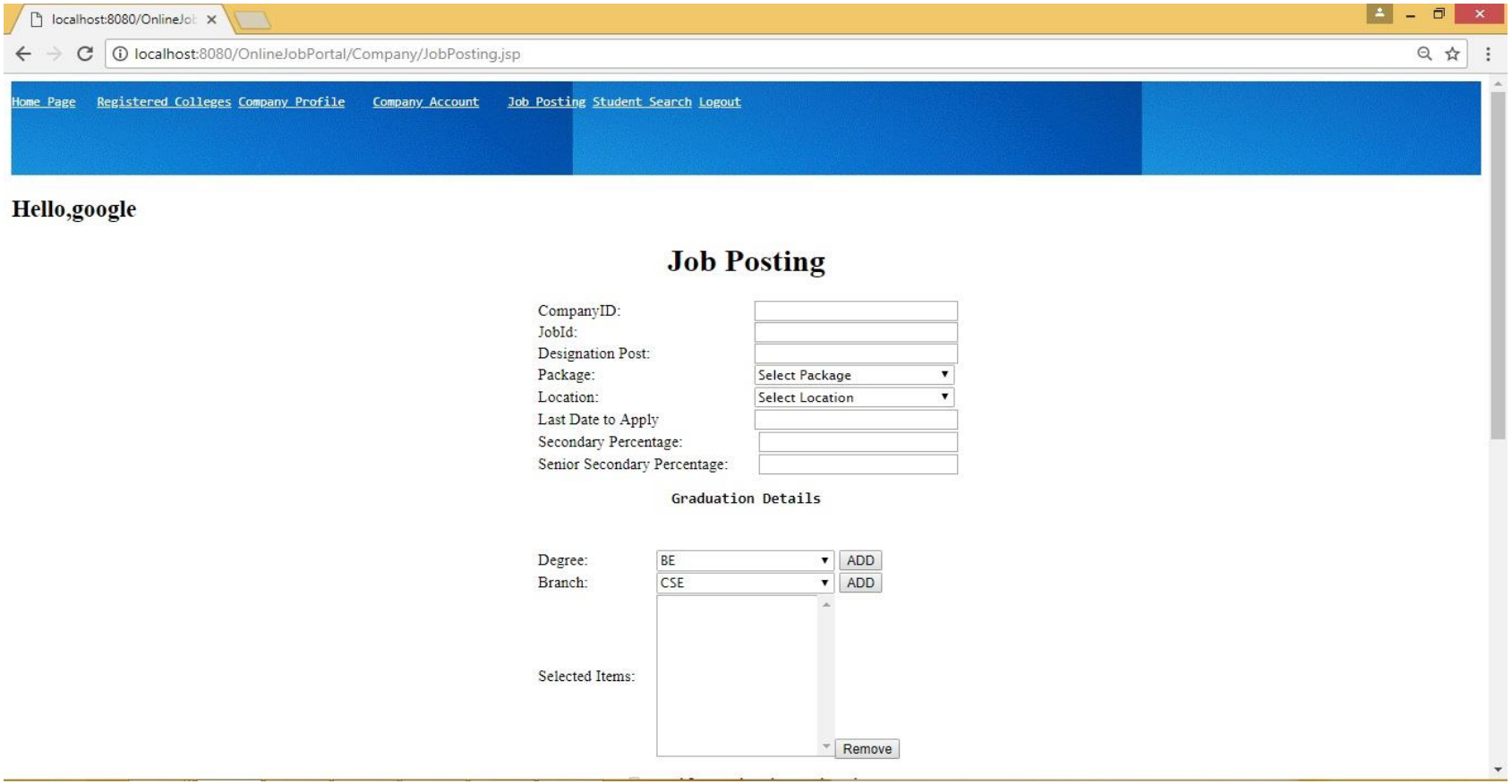
Screenshot – Student Home



Screenshot – College



Screenshot – Job Posting



Login Page

```
<html>
<body>
<div class="mainContent"> <div class="divtableclass">
<table align="center" class="tb" >
<tr><td>
 <pre><form id="login" action="CheckId" method="POST" >Login as: <input type="radio" name="grp1" value="Student" checked="checked">Student  <input type="radio" name="grp1" value="College">College  <input type="radio" name="grp1" value="Company">Company
Registration ID:  <input type="text" name="regId" >
Password:        <input type="password" name="password“>
<input type="Submit" value="Sign In" class="signup_btn" >
<input type="button" value="Student Sign Up" name="sreg" class="signup_btn" onclick="initAll()"/>                              </form> </pre></td></tr>
</table> </div> </div>
</body>
</html>
```

Database Connection

```
public class ConnectionFactory{
      private Connection con;
      private static ConnectionFactory conn;
      private ConnectionFactory()    {    }
      static    {        conn=new ConnectionFactory();    }
      public static ConnectionFactory getInstance()    {        return conn;    }
       public int setData(String query)    {
       int n=0;
      try        {
                Class.forName("com.mysql.jdbc.Driver");
                con=DriverManager.getConnection("jdbc:mysql://localhost:3306/test","root","");
                Statement stmt=con.createStatement();
                n=stmt.executeUpdate(query);        }
       catch(Exception ex)  {
                 return -1;        }
      return n;
}
```

References

[1] Deepinder Kaur, I.S. AlShawi, "Your internet connection to your next job", IEEE Journal, vol. 41, no. 2,pp. 12-23,June 2016.

[2] Rafter, R. Bradley, K. & Smyth, B. (2016), “Automated collaborative filtering applications for online recruitment services”, Proceedings of the International Conference on Adaptive Hypermedia and Adaptive Web-based Systems, pp-363- 368.

[3] Rob, P. & Coronel, C. (2015), “Database Systems: Design, implementation and management”, Eight edition, Boston: Course Technology.

[4] Sellami,S., Benharkat,A. & Amghar,Y. (2017), “Study of challenges and techniques in large scale”, In ICEIS:10th International Conference on Enterprise Information Systems, Barcelona, Spain.

[5] ACCENTURE (2017): “How Much Are Customer Relationship Management Capabilities Really Worth? What Every CEO Should Know”. http://www.accenture.com/.

[6] Herbert Schildt, “Java – The Complete Reference”, Tenth Edition, Tata McGrawHill, Publishing Company Limited.

[7] http://www.w3schools.com

[8] http://www.javatpoint.com/java-tutorial

[9] http://www.servlets.com

[10] http://www.stackoverflow.com

[11] https://dev.mysql.com

[12] https://www.salesforce.com