



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Information Technology and Engineering

ITE1901 and Technical Answers for Real World Problems (TARP)

Student Technical Support System

*A project submitted
in partial fulfilment of the requirements for the degree of
Bachelor of Technology (IT)*

By

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UNDERTAKING

This is to declare that the project entitled “Student Technical Support System” is an original work done by undersigned, in partial fulfilment of the requirements for the degree “Bachelor of Technology in Information Technology” at School of Information Technology and Engineering, VIT, Vellore as part of the course ITE1901 and Technical Answers for Real World Problems (TARP).

All the analysis, design and system development have been accomplished by the undersigned. Moreover, this project has not been submitted to any other college or university.

Details of the Student(s)

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Signature of the Student(s)

- 1.
- 2.
- 3.
- 4.

Abstract

Student Technical Support System is designed to resolve the technical problems faced by the students. We are going to propose this project based on our own experience, what we are facing in present situations. Many new developments have been launched and developed for sake of students, as a part of such innovations we are proposing a model which will be helpful for many students.

When we look at the general technical problems where students are facing their respective issues are normally related to the placements activities, WIFI issues, laptop technical issues, installations of software, etc.

So in this system there will be two modules namely student and employee modules. So first the students can register themselves with their email id and get into the system. If he has an account then he/she can directly login with their details. And from there he can access the system he can post questions, problems etc. He can check the answers if anyone posted to that.

1. INTRODUCTION

The Student Technical Support System is a specially designed platform for students. This platform provides a technical solution for students regarding their generally faced technical problems/issues.

Many new developments have been launched and developed for sake of students, as a part of such innovations we are proposing a model which will be helpful for many students. When we look at the general technical problems where students are facing their respective issues are normally related to the placements activities, WIFI issues, laptop technical issues, installations of software, etc.

At the early stage of development of our project we are going to focus on the problems faced in point of placement activities. In general, the communication related to placement issues and experience sharing of placed students is going via emails, in person communication.

Still many students are finding difficulties to approach their peers and discuss about their interview experience, and also it is difficult to consult the management for these issues.

While we come across the scenario of interacting with management, it is getting difficult, due to unavailability of the officials always for students due to their busy work/schedule. Our platform comes handy in these kinds of situations to get resolve their issue instead of checking the tons of mails, our platform provides the flexibility to solve the problems of students.

2. Problem Statement and Explanation

Problem	
Placement related issues	<ul style="list-style-type: none">▪ Many students are failing to crack the interviews mainly Technical and HR rounds even though they done well in their online rounds/tests.▪ This is due to the lack of knowledge mainly about the question that is asked in TR and HR round.▪ It will be helpful to get to know the experience of already placed students or students who already attended the interview rounds.▪ Here, our platform helps students to share their interview experience with each other and get to know about the questions they faced in their respective interviews.

	<ul style="list-style-type: none"> ▪ Even though there are many resources available in online, it will be very useful and helpful to maintain a source/medium for all students which is helpful for other students.
Resources(notes) unavailability	<ul style="list-style-type: none"> ▪ Even though we are facilitated with pdfs, documents from our faculties. ▪ Many of the students are interested in need of some other peers notes ▪ People have some special interest to learn new things and they face some difficulties to find the proper resources ▪ At that time may be some one of us have resources with us. ▪ If we have a communication medium between our students it is very easy to find the peers who can help us in those situations.
No prior guidance/ Unavailability of products	<ul style="list-style-type: none"> ▪ When we talk about personal sharing we can share/sell our old books to others who are in need. ▪ We can share our travel experience with peers who are willing to share cab to save money or how to get rental vehicles ▪ We can share our belongings like some electronic gadgets/ devices , old books, etc.
No assistance	<ul style="list-style-type: none"> ▪ Many of students struggle to get advices/suggestions when they face some difficult situations or fall in trouble. ▪ Like they are doing some project and they need some help from peers. ▪ Suppose I have an idea, I want to do it, I only know backend and I need some help from others. ▪ Then those who know frontend and are willing to help can be useful. ▪ These types of features are involved in platform helps for students a lot.

The platform model which we proposed is designed based on below inspirations:

Sno.	Application	Working Model
1	Stack Overflow	Stack Overflow is one of the best inspiration for use, we proposed these platform model based on the stack overflow application. Stack Overflow is online community application where we can post our question and getting answers from the professionals.
2	Bloomfire	Bloomfire is knowledge sharing platform, which is works as a platform to share their knowledge , insights of their experience, research, etc.
3	Confluence	Confluence is platform which helpful to collaborate, organize their work, share their thoughts.
4	AnswerHub	AnswerHub is a online platform which providing a interface to collaborate with professionals and exports who can answer for the questions.
5	Quora	Quora is one of the well known platform for most of us. Which is one of the coolest and craziest platform which helps to share our knowledge by helping for others to answering their questions, sharing our opinion.

3. Software/Hardware Requirements

Software/Hardware	Specification
Operating System	Microsoft Windows 10
Programming Tool	Net Beans IDE 8.2 Java 1.8.0 (Java 8)
Database Server	MySQL 8.0 database
Web Server/Servlet Container	Apache Tomcat 8.0.27.0
Storage space	10GB disk space
Memory	4GB (recommended)

Testing	Selenium
---------	----------

4. Detailed Methodology

Web based application of student support technical system which helps both students and management of the university in order to resolve their respective issues. This application consists of two modules which are mentioned below:

5. List of Modules:

- 1) Student Module
- 2) Employee Module

6. Module Description

1) Student Module:

As the web application is built to aid students mainly, it is obvious that a student module should be present. The description of the student module is given below. The following functionalities are present in this module are:

- Student can generate their issues which can be viewed by other students and the management side too.
- He can also check about the acknowledgement status of the previously raised issues.
- Student can share their views/experience about the interview rounds faced by them which can ultimately help his peers to be well prepared in advance for their upcoming interview rounds.
- Also others experience of interview faceoff will also be available and useful to get an idea about the interview atmosphere.
- In profile management, user i.e. student can edit his/her details and also can change the password on his wish.
- Also contacts/email ids of management will be available to discuss the issues in personal.

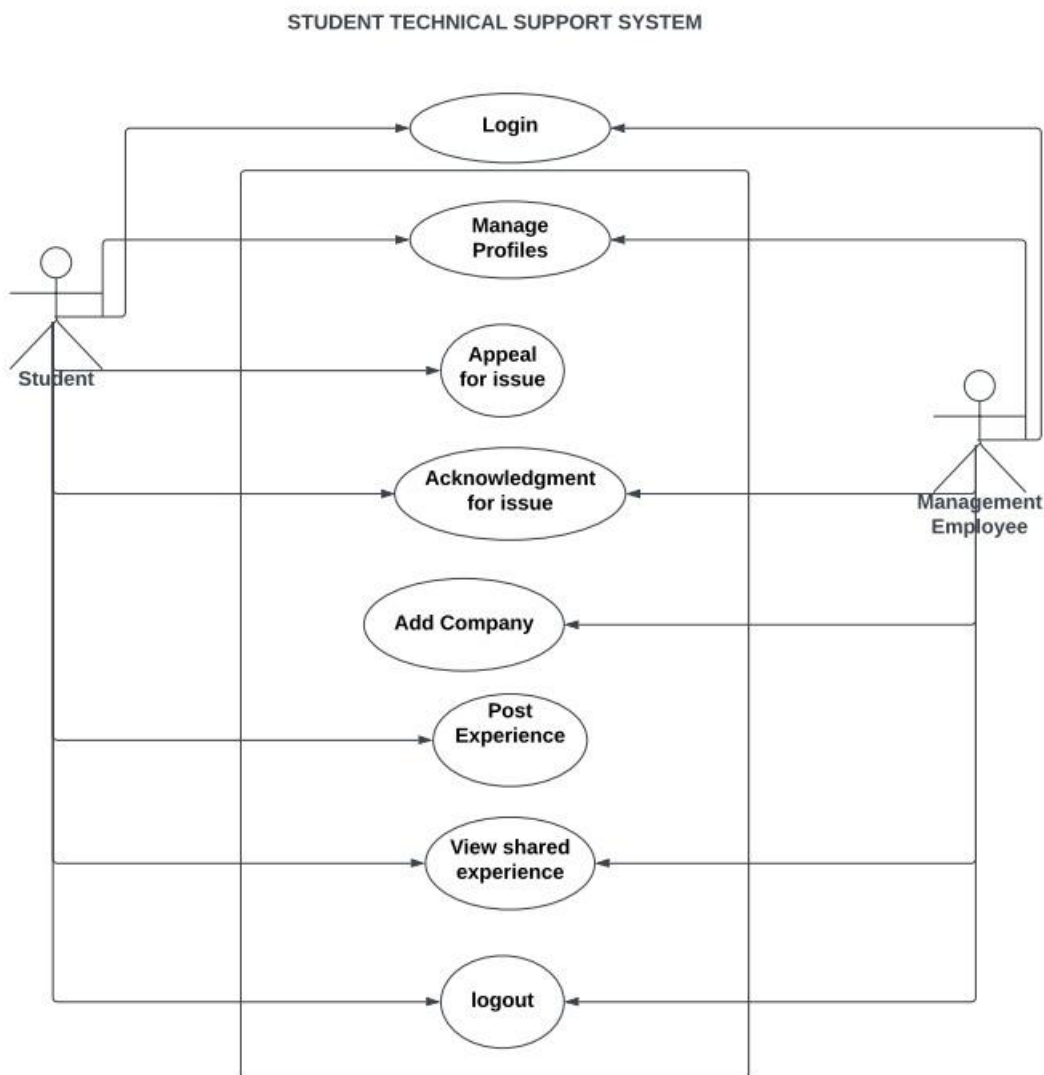
2) Employee Module:

This employee module can be accessed by the employees of the university mainly the staff who works on placement related issues. They can react to the issues/queries raised by

the students. The description of the Employee Module is given below. The following functionalities are present in this module are:

- Primary role of an employee is to update about the companies which visit the university to select the students.
- They can mention the criteria of the respective companies of their selection process which benefits the students.
- All the students' issues/queries can be viewed by staff of the management.
- Can provide the acknowledgement to queries of the students according to their knowledge.
- Staff also can check and fetch the student's personal information if needed.
- In the profile management they can edit their contact information and also they can change their password if needed.

Use Case Diagram



The above use case diagram shows the over view of interaction of actors with our application.

Software System Attributes

Performance:

Response time - The system shall respond in shorter time.

Capacity - The system support handles the load at peak time and people.

User-Interface - The user-interface screen shall respond within few seconds.

Security:

Login Details - Any user who uses the application shall have a unique user name and password.

Modification - Any modification in the application happens shall be synchronizes, such that there is no failures occurs to the functionalities whenever new developments are happen in application.

Reliability:

To show how simple the user interface is and how general the form generation language is simplified vs Functionality of the form language.

Availability:

The system shall be available all the time.

Software Quality:

Good quality of framework shall produce robust, bug free software which contains all necessary requirements end user satisfaction.

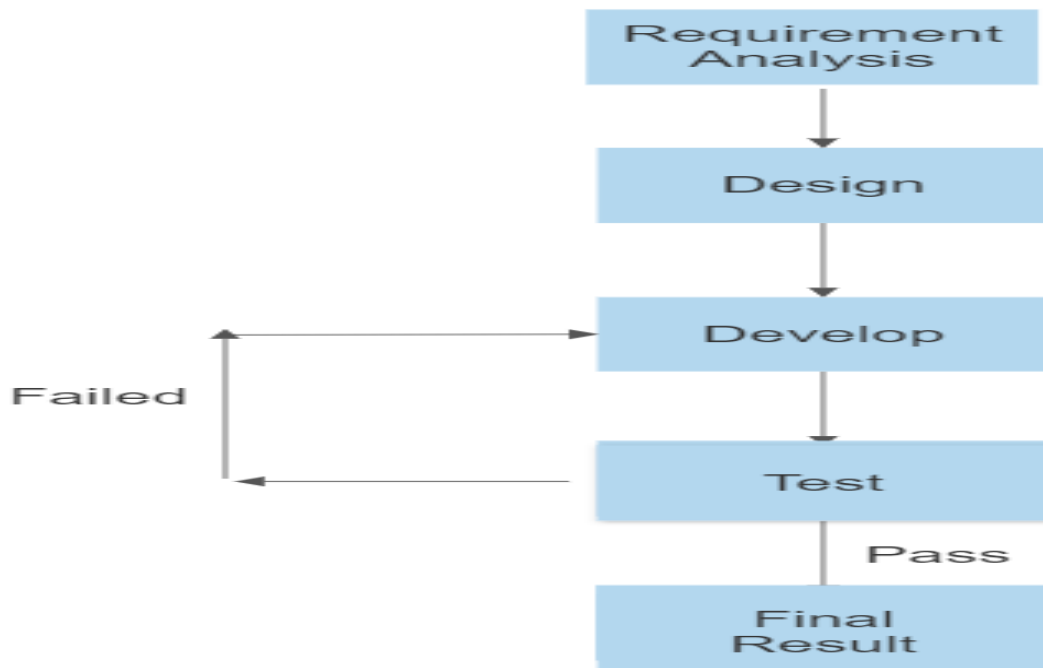
Reusability:

The software shall have simple and independent code modules that can be reused.

Maintainability:

The system shall maintain error free whenever a bug arises.

7. Implementation:



Step 1: Gathering the requirements and analysing the requirements are suitable and reliable for our project development.

Step 2: Design of our application, functionalities and work flow of application.

Step 3: Start the development of application by considering the design of the application.

Step 4: after developing the application we need to plan and execute the testing of website. Based on the testing results we will proceed for further process.

- **Case 1:** if test cases are failed we need to again move for development stage to fix the failures and again test the application
- **Case 2:** If the test cases are passed and the testing results will be positive we will show our final result.

Step 5: By successfully completing above four steps and the application is ready to show for final result.

Test Cases:**Student Module:**

Sno.	Test case id	description	steps	Actual output	Expected output	result
1.	T_0001	Test login for student with user name and password	1. Go to site. 2.select student login 3. Enter valid student user name and password.	Redirect to home page	Redirect to home page	pass
2.	T_0002	Test post experience page	1. Go to site and login as student. 2. select post experience option. 3. enter the required details such as registration number, select company and write your experience. 3. click on post.	Redirect to same page by completing the post.	Redirect to same page by completing the post.	pass
3.	T_0003	Test the post query option	1. Go to site and login as student. 2. select post query option. 3. enter the required details such as reg_no, email, and your query. 4. click on submit query.	Redirect to same page by posting the query.	Redirect to same page by posting the query.	pass
4.	T_0004	Test the view shared experience.	1.Go to site. 2. login as student. 3. In home page click on the view shared experience button.	Redirect to the page where we can see the shared experience.	Redirect to the page where we can see the shared experience.	pass

Employee Module:

Sno .	Test case id	Description	Steps	Actual Result	Expected Result	result
1.	T_0001	Test the employee login with valid user name and password.	1. Go to site. 2.select employee login 3. Enter valid employee user name and password.	Redirect to home page	Redirect to home page	pass
2.	T_0002	Test the add companies feature	1.Go to site. 2. select add company. 3. Enter the required details to add a company. 3. click on add.	Redirect to same page by adding company.	Redirect to same page by adding a company.	pass
3.	T_0003	Test the view shared experience by the students.	1.Go to site. 2. login as student. 3. In home page click on the view shared experience button.	Redirect to the page where we can see the shared experience.	Redirect to the page where we can see the shared experience.	pass
4.	T_0004	Test the reply back to the student query.	1.Go to site. 2. Login as employee. 3. In home page select reply query. 3. read the query. 4. enter the query id and reply content to the student query. 5. Click on the post.	Redirect to the same page and delete the replied issue from page and a student will get the reply mail from the system.	Redirect to the same page and delete the replied issue from page and a student will get the reply mail from the system.	Pass.

Unit Automation testing results:

The screenshot shows the Selenium IDE extension interface within a Mozilla Firefox browser window. The browser address bar displays 'localhost:8080/STSSMain/'. The Selenium IDE window is titled 'Project: STSS*' and shows a test suite named 'UI Automation Testing*'. The test suite is currently executing, as indicated by the 'Executing' status and the play button icon. The test suite URL is 'http://localhost:8080/STSSMain/'.

Command	Target	Value
✓ click	name=combo	
✓ select	name=combo	label=tcs
✓ click	css=option:nth-child(5)	
✓ click	css=input:nth-child(2)	
click	name=back	

Below the table, there are input fields for 'Command', 'Target', 'Value', and 'Description'. The 'Runs: 0 Failures: 0' status is displayed. The 'Log' tab is selected, showing a list of test steps and their results:

- Running 'UI Automation Testing' 13:27:50
- 1. open on http://localhost:8080/STSSMain/ OK 13:27:51
- 2. setWindowSize on 763x693 OK 13:27:51
- 3. click on name=studentlogin OK 13:27:51
- 4. click on name=username OK 13:27:51
- 5. type on name=username with value 19BIT0173 OK 13:27:51
- 6. click on name=password OK 13:27:51

The screenshot shows a Notepad window titled 'Stss Unit testing - Notepad'. The text content is a Selenium IDE test script generated by Selenium IDE. The script includes imports for Selenium and Hamcrest, and defines a test class 'UITESTINGTest' with a 'setUp()' method, an '@After' method 'tearDown()', and a '@Test' method 'UITESTING()'. The 'UITESTING()' method contains a list of test steps, each with a step number, a name, a target, and a value.

```
// Generated by Selenium IDE
import org.junit.Test;
import org.junit.Before;
import org.junit.After;
import static org.junit.Assert.*;
import static org.hamcrest.CoreMatchers.is;
import static org.hamcrest.CoreMatchers.isNot;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.remote.RemoteWebDriver;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.Dimension;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*;
import java.net.MalformedURLException;
import java.net.URL;

public class UITESTINGTest {
    private WebDriver driver;
    private Map<String, Object> vars;
    JavascriptExecutor js;

    @Before
    public void setUp() throws MalformedURLException {
        driver = new RemoteWebDriver(new URL("http://localhost:4444/wd/hub"), DesiredCapabilities.firefox());
        js = (JavascriptExecutor) driver;
        vars = new HashMap<String, Object>();
    }

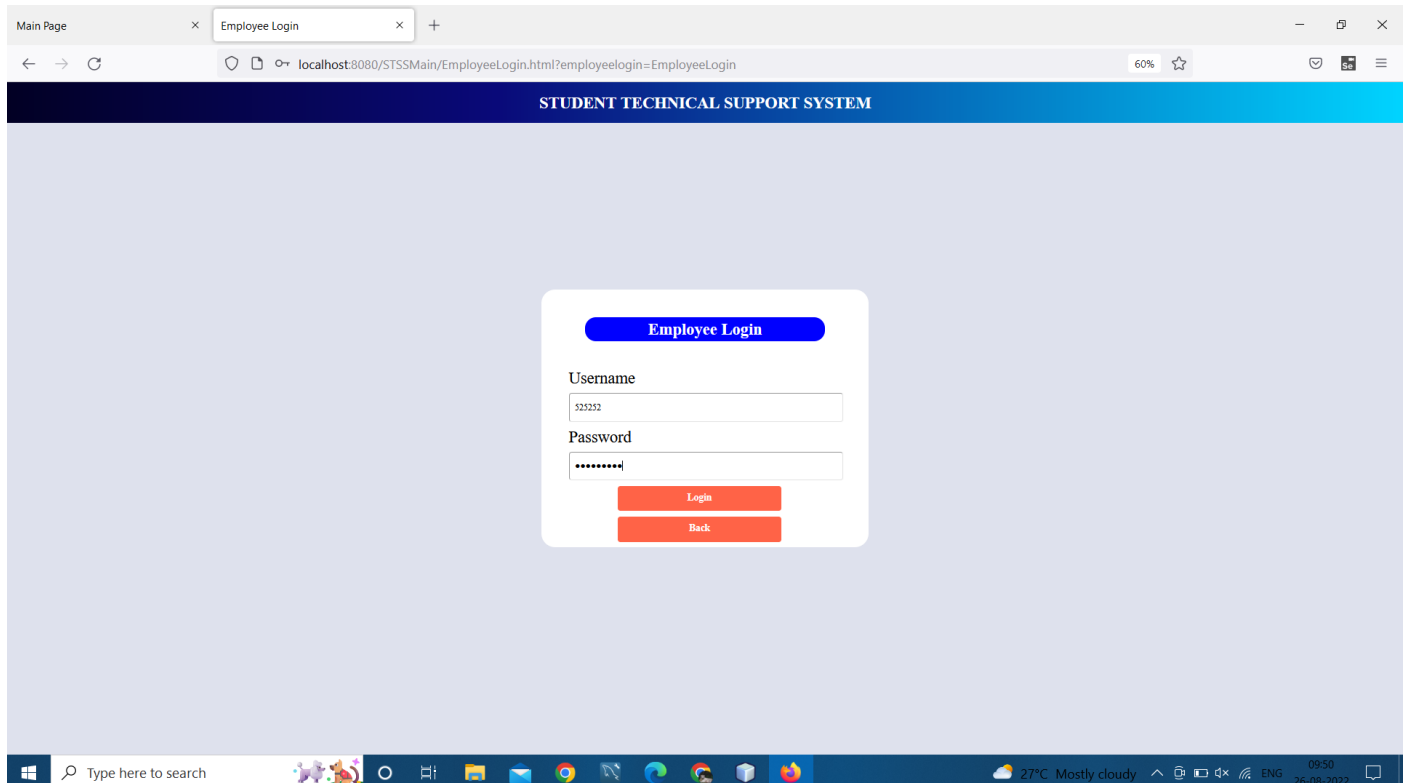
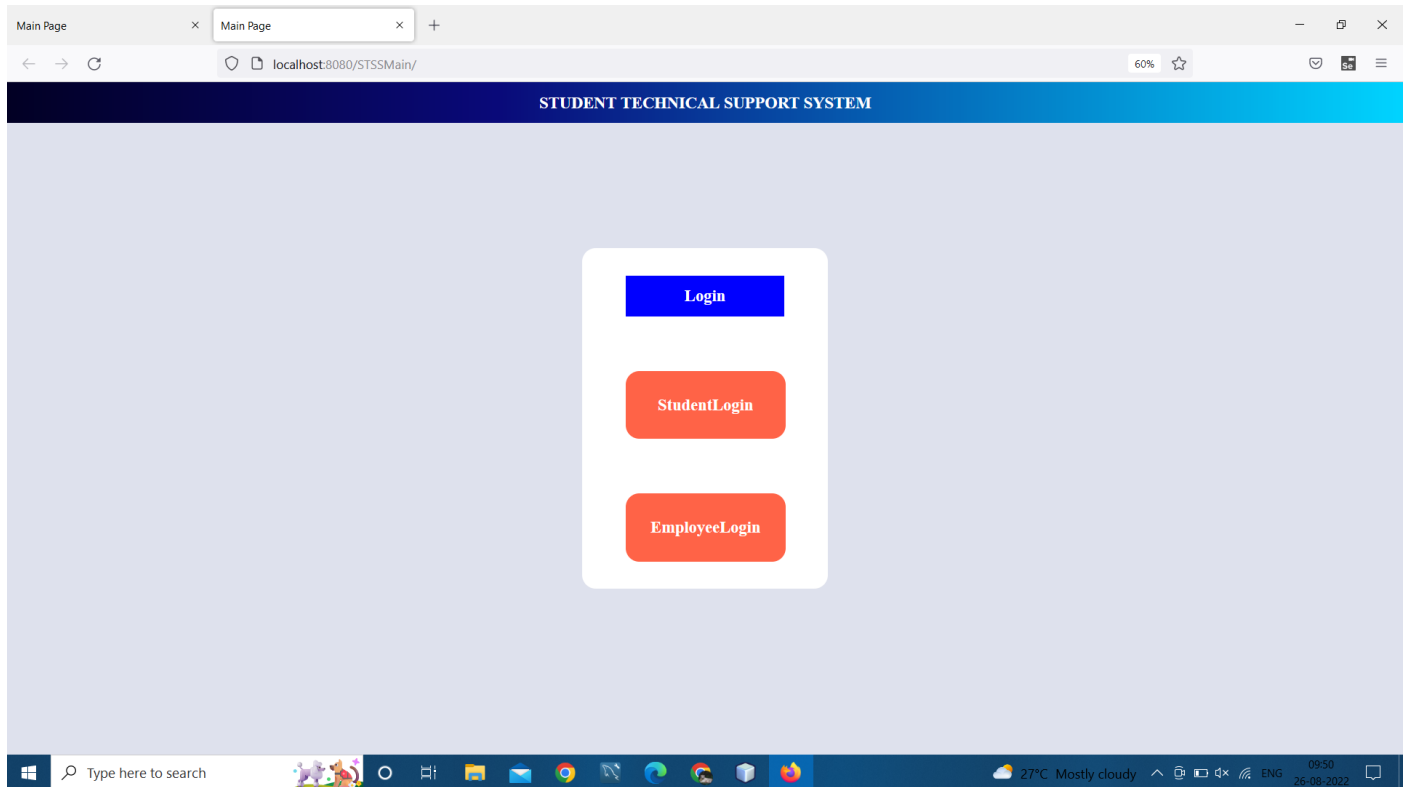
    @After
    public void tearDown() {
        driver.quit();
    }

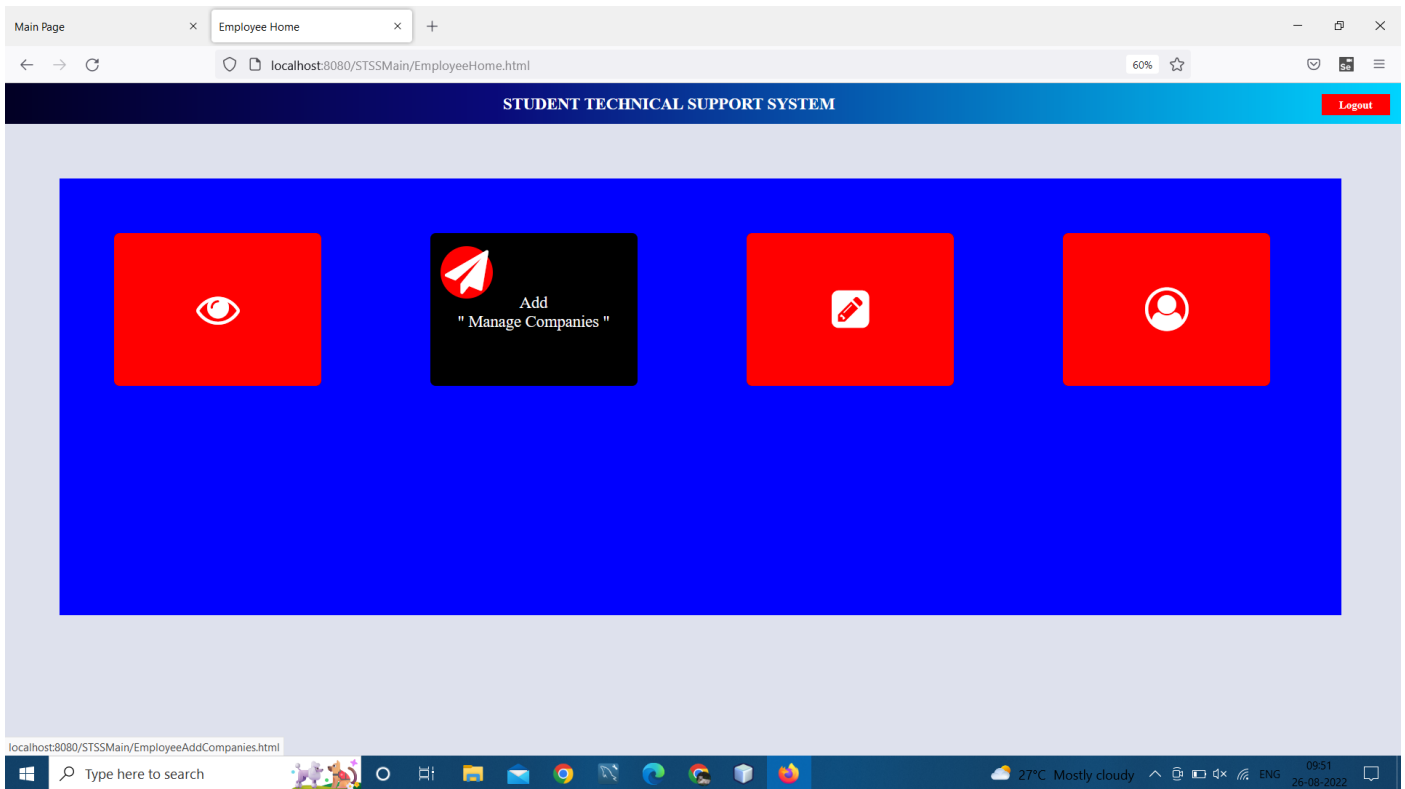
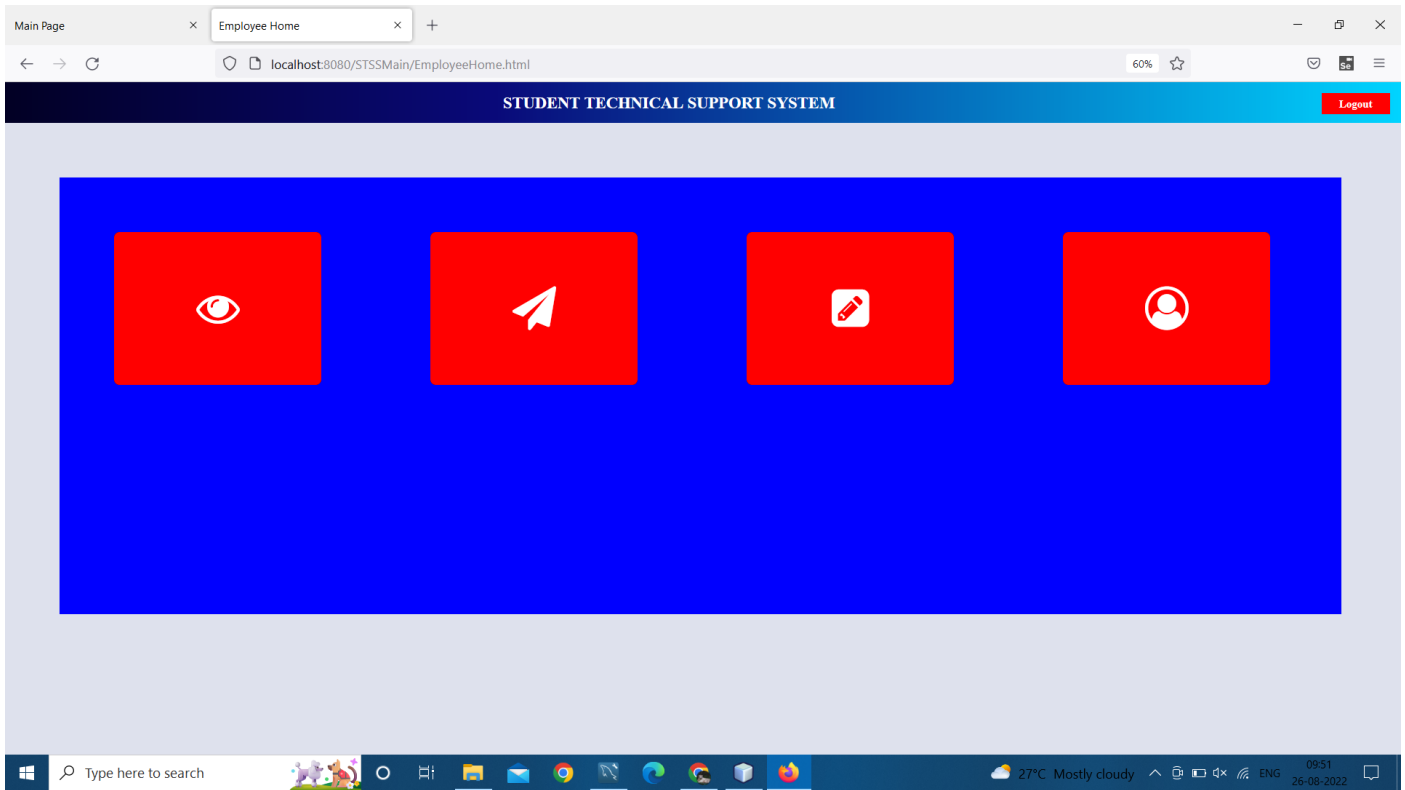
    @Test
    public void UITESTING() {
        // Test name: UI TESTING
        // Step # | name | target | value

```

8. ScreenShots:

Student Module:





Main Page

Manage Companies

localhost:8080/STSSMain/EmployeeAddCompanies.html

60%

back

STUDENT TECHNICAL SUPPORT SYSTEM

Manage Companies

Company Name

Tcs

Category

☐ Super Dream

☒ Dream

☐ Regular

CTC

7

Offer Type

☒ FullTime

☐ Intern

☐ Intern+FullTime

Add

Student Login

localhost:8080/STSSMain/ViewQue...

localhost:8080/STSSMain/StudentLogin.html?studentlogin=StudentLogin

60%

STUDENT TECHNICAL SUPPORT SYSTEM

Student Login

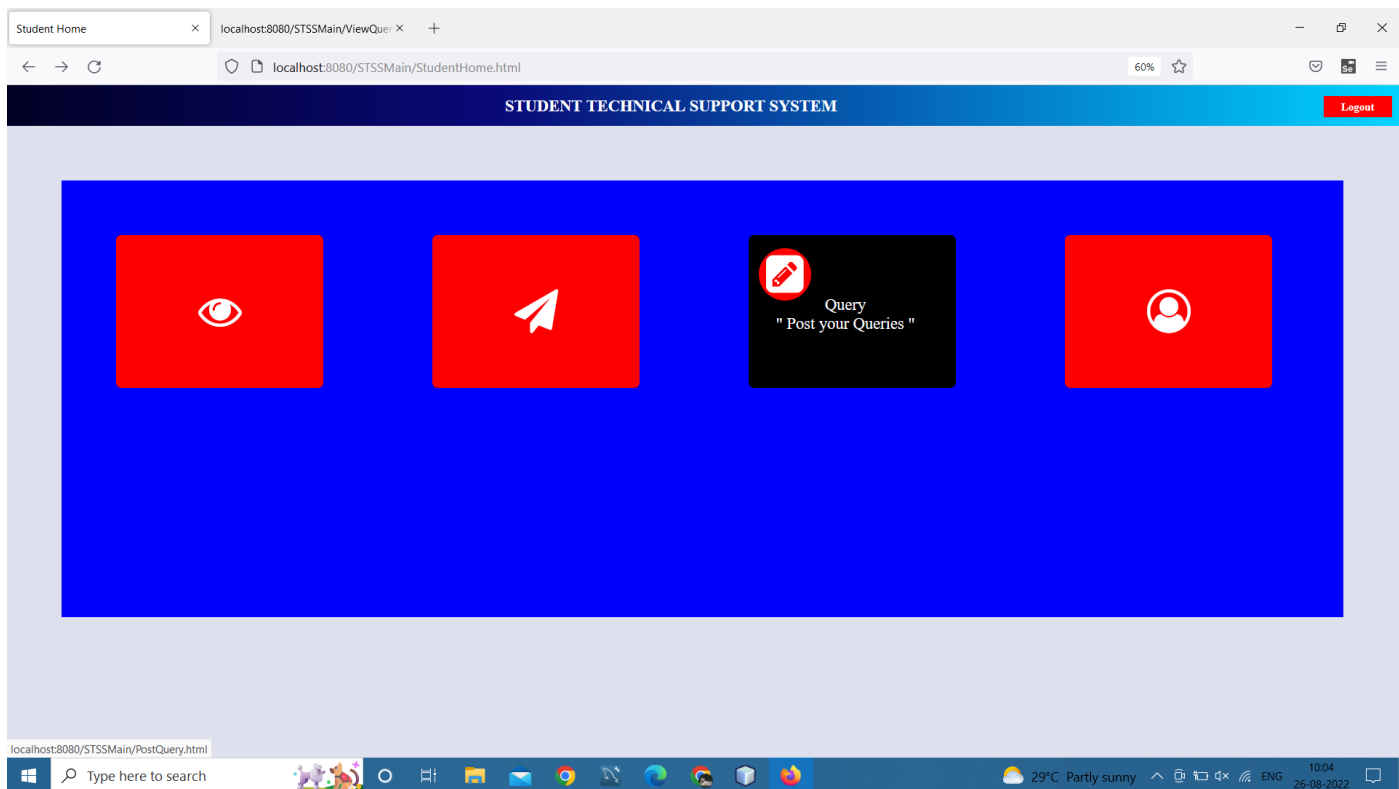
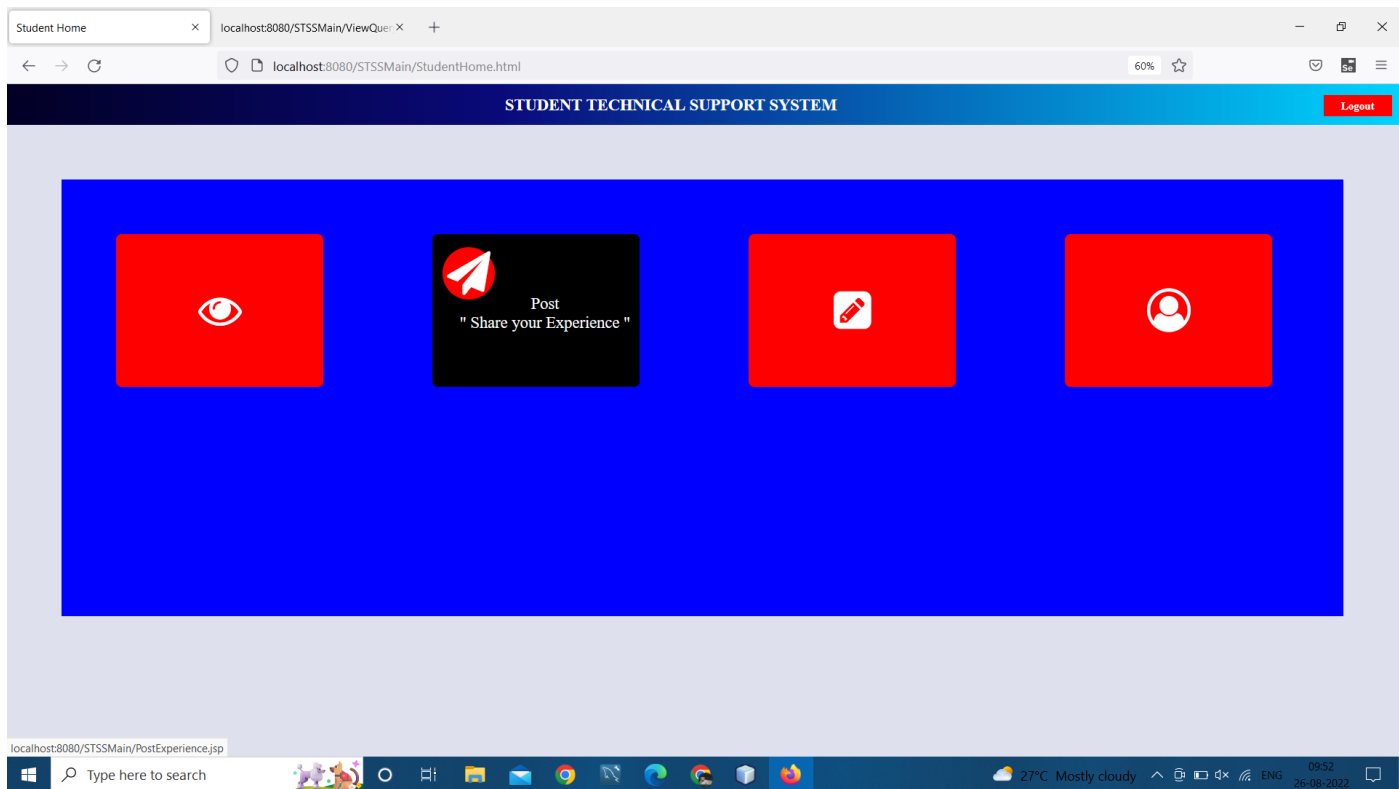
Username

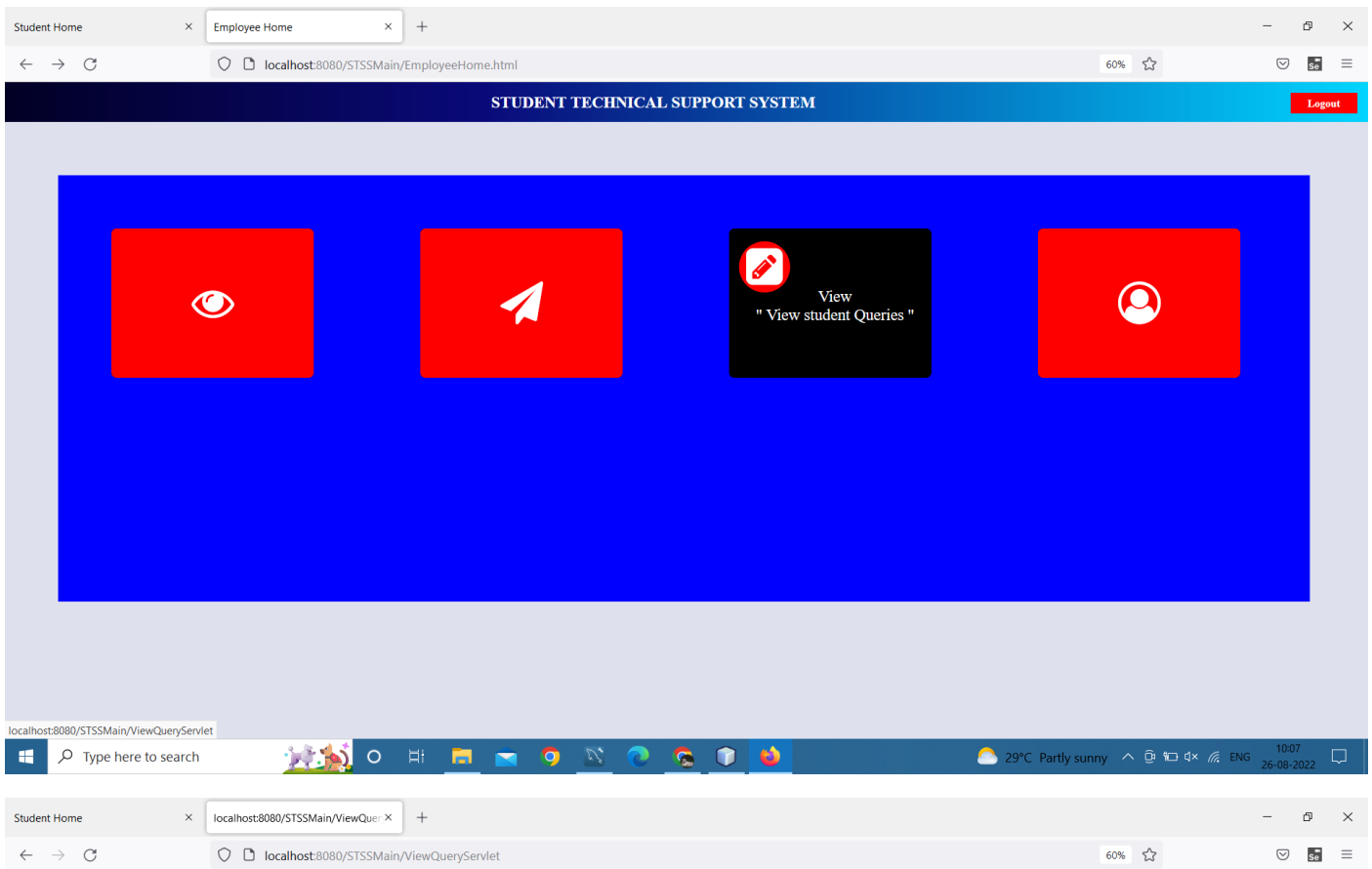
19BIT0173

Password

Login

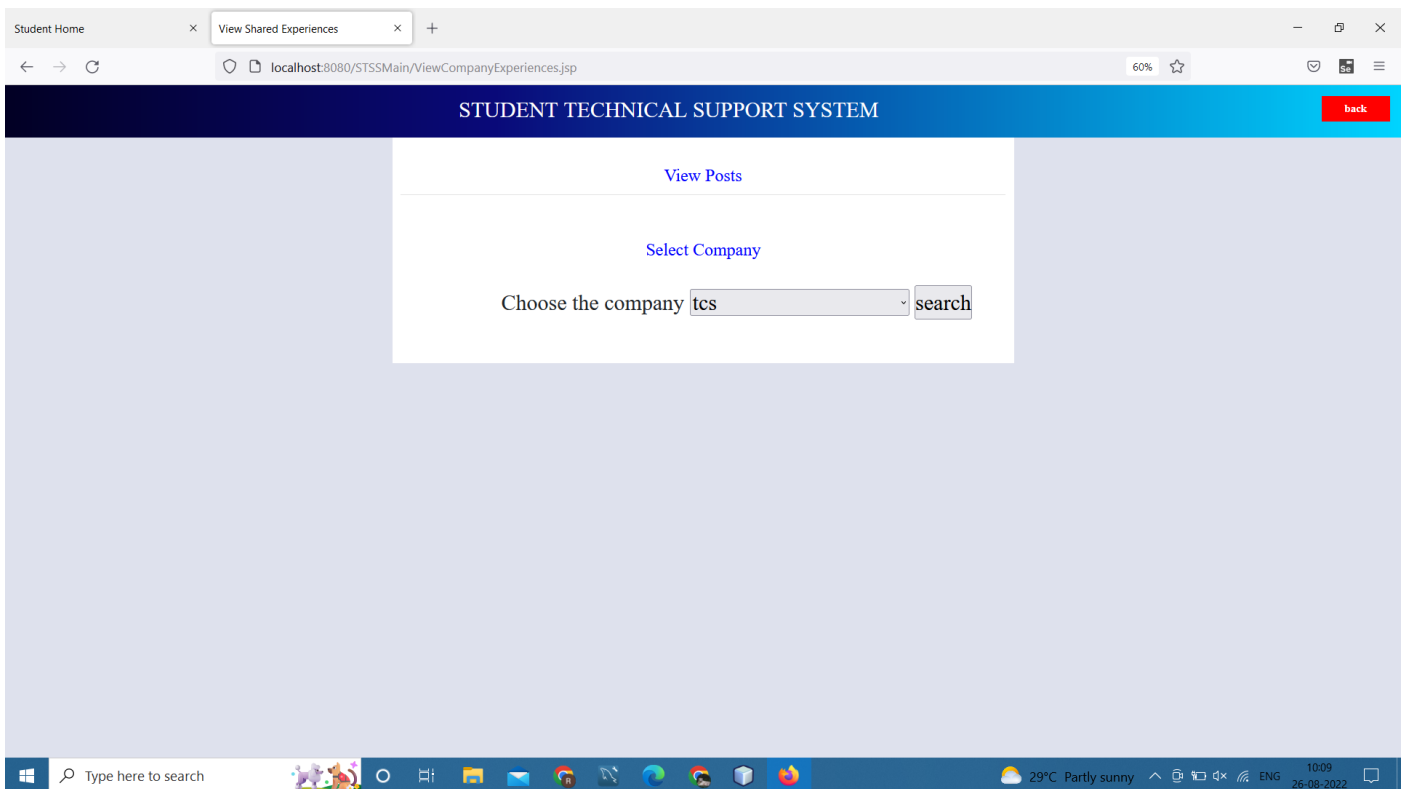
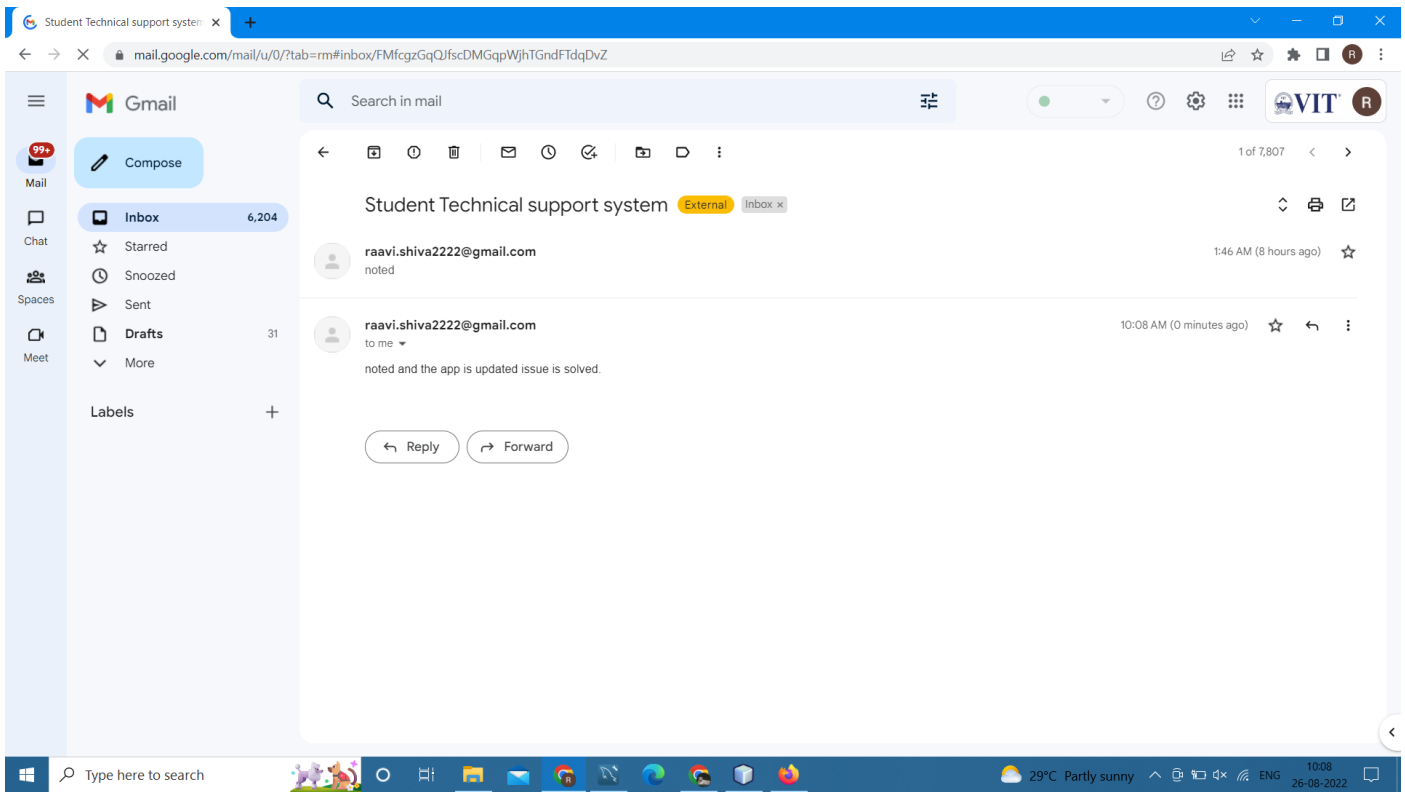
Back





Result of Search Page					
query id	Reg No	query content	enter query id	post replay	submit
1	19BIT0173	respected sir, i am shiva seshi reddy raavi - 19bit0173. i am facing issue while registering in neopat for american experss super dream company that date is experied but in mailit methion that last date is tommorrow 27th aug. could please check this once.	1	<div>noted and the app is updated issue is solved.</div>	<div>post</div>





Complete Code of your project:

EmployeeAddCompanies.html

```
<!DOCTYPE html>
```

```
<!--
```

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

```
-->
```

```
<html>
```

```
  <head>
```

```
    <title>Manage Companies</title>
```

```
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <style>
```

```
      * {
```

```
        padding: 0;
```

```
        margin: 0;
```

```
        font-family: "Times New Roman", Times, serif;
```

```
      }
```

```
      body{
```

```
        background-color: #dee1ed;
```

```
      }
```

```
      .container{
```

```
        background-color: white;
```

```
        margin-bottom: 100px;
```

```
      }
```

```
      .container h1{
```

```
        color: blue;
```

```
        margin-top: 40px;
```

```
        text-align: center;
```

```
        font-size: 32px;
```

```
      }
```

```
      .input-group{
```

```
        margin: 100px 1000px;
```

```
      }
```

```
.input-group input{  
    height: 45px;  
    padding-right: 70px;  
    padding-top: 8px;  
    padding-bottom: 8px;  
    margin: 20px;  
    font-size: 50px;  
    text-align: left;  
    text-transform: capitalize;  
}
```

```
.input-group .type{  
    height: 45px;  
    padding-right: 70px;  
    padding-top: 30px;  
    padding-bottom: 30px;  
    margin: 20px;  
    font-size: 50px;  
    text-align: left;  
    text-transform: capitalize;  
    display: flex;  
}
```

```
.input-group .type{  
    display: inline;  
    width: 30px;  
    height: 30px;  
}
```

```
.input-group label{  
    font-size: 25px;  
    color: black;  
}
```

```
.btn-add{  
    background-color: green;  
    color: white;  
    padding: 15px 75px;  
    font-size: 35px;  
    margin-top: 5px;
```

```
margin-left: 200px;
}
```

```
.banner {
padding: 20px;
text-align: center;
background: rgb(2,0,36);
background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
color: white;
font-size: 15px;
}
```

```
.banner input{
font-size: 20px;
font-weight: bold;
padding: 8px;
width: 5%;
border: 0;
color: white;
background-color: #f00;
float: right;
align-content: center;
}
```

```
.banner input:hover{
background: greenyellow;
color: black;
}
```

```
.btn-add:hover{
background-color: blue;
display: flex;
}
```

</style>

</head>

<body>

<div class="banner">

<input type="submit" name="back" value="back" onclick="history.back()">

<h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>

```

</div>
<div class="container">
  <div class="row">
    <div class="col-12">
      <h1>Manage Companies</h1>
      <hr>
      <div class="input-group">
        <form action="AddCompanyServlet" method="post">
          <h1>Company Name</h1><input type="text" class="form-control" id ="companyname" name="companyname"
placeholder="company name"></br>
          <h1>Category</h1>
          <input type="radio" id="type" name="category" value="superdream" class="type">
          <label for="superdream">Super Dream </label>
          <input type="radio" id="type" name="category" value="dream" class="type">
          <label for="dream">Dream</label>
          <input type="radio" id="type" name="category" value="regular" class="type">
          <label for="regular">Regular</label><br>
          <h1>CTC</h1>    <input      type="text"      class="form-control"      id="package"      name="package"
placeholder="CTC"></br>
          <h1>Offer Type</h1>
          <input type="radio" id="type" name="type" value="Full Time" class="type">
          <label for="fulltime">FullTime </label>
          <input type="radio" id="type" name="type" value="Internship" class="type">
          <label for="internship">Intern</label>
          <input type="radio" id="type" name="type" value="FullTimeInternship" class="type">
          <label for="fulltimeinternship">Intern+FullTime</label><br>

          <div class="input-group-append">
            <button onclick="form.action=AddCompanyServlet" class="btn btn-add" type="submit">Add</button>
          </div>
        </form>
      </div>
    </div>
  </div>
</div>
</body>
</html>

```


EmployeeHome.html

```
<!DOCTYPE html>
```

```
<!--
```

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

```
-->
```

```
<html>
```

```
<head>
```

```
<title>Employee Home</title>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<style>
```

```
* {
```

```
padding: 0;
```

```
margin: 0;
```

```
font-family: "Times New Roman", Times, serif;
```

```
}
```

```
.banner {
```

```
padding: 20px;
```

```
text-align: center;
```

```
background: rgb(2,0,36);
```

```
background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
```

```
color: white;
```

```
font-size: 15px;
```

```
}
```

```
body{
```

```
background-color: #dee1ed;
```

```
align-content: center;
```

```
}
```

```
.banner input{
```

```
font-size: 20px;
```

```
font-weight: bold;
```

```
padding: 8px;
```

```
width: 5%;
```

```
border: 0;
```

```
color: white;
```

```
background-color: #f00;

float: right;

align-content: center;
}

.banner input:hover{

background: greenyellow;

color: black;
}

.container{

position: relative;

width: 2350px;

height: 300px;

margin: 100px 100px 100px 100px;

padding-bottom: 500px;

background: blue;


}

.container .box{

position: relative;

width: calc(400px - 20px);

height: calc(300px - 20px);

background: #000;

float: left;

margin: 100px;

box-sizing: border-box;

overflow: hidden;

border-radius: 10px;
}

.container .box .icon{

position: absolute;

top: 0;

left: 0;

width: 100%;

height: 100%;

background: #f00;

transition: 0.5s;

z-index: 1;
```

```
}  
.container .box: hover .icon{  
    top: 5px;  
    padding: 8px;  
    margin: 5%;  
    right: calc(20% - 100px);  
    width: 80px;  
    height: 80px;  
    border-radius: 50%;  
  
}  
.container .box .icon .fa{  
    position: absolute;  
    top: 50%;  
    left: 50%;  
    transform: translate(-50%, -50%);  
    font-size: 80px;  
    transition: 0.5s;  
    color: #fff;  
}  
.container .box .content{  
    position: absolute;  
    top: 100px;  
    height: calc(100% - 100px);  
    text-align: center;  
    padding: 10px 5px 0 50px;  
    box-sizing: border-box;  
    font-size: 30px;  
    color: white;  
  
}  
  
.container .box .content a{  
    text-decoration: none;  
    color: white;  
}
```

</style>

</head>

<body>

<div class="banner">

<input type="submit" name="Logout" value="Logout" onclick="history.back()">

<h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>

</div>

<div class="container">

<div class="box">

<div class="icon">

<i class="fa fa-eye" aria-hidden="true"></i>

</div>

<div class="content">

View

<p>" See Shared Experience "</p>

</div>

</div>

<div class="box">

<div class="icon">

<i class="fa fa-paper-plane" aria-hidden="true"></i>

</div>

<div class="content">

Add

<p>" Manage Companies "</p>

</div>

</div>

<div class="box">

<div class="icon">

<i class="fa fa-pencil-square" aria-hidden="true"></i>

</div>

<div class="content">

View

<p>" View student Queries "</p>

</div>

</div>

<div class="box">

```
<div class="icon">

    <i class="fa fa-user-circle-o" aria-hidden="true"></i>

</div>

<div class="content">

    <h3>Profile</h3>

    <p>" Change Password "</p>

</div>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

EmployeeLogin.html

```
<!DOCTYPE html>
```

```
<!--
```

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and open the template in the editor.

```
-->
```

```
<html>
```

```
<head>
```

```
<title>Employee Login</title>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<style>
```

```
* {
```

```
padding: 0;
```

```
margin: 0;
```

```
font-family: "Times New Roman", Times, serif;
```

```
}
```

```
.login-form{
```

```
width: 600px;
```

```
top: 50%;
```

```
left: 50%;
```

```
transform: translate(-50%, -50%);
```

```
position: absolute;
```

```
align-content: center;
```

```
background-color: white;
border-radius: 25px;
}
.login-form h1{
font-size: 30px;
text-align: center;
text-transform: capitalize;
margin: 50px 80px;
color: white;
background-color: blue;
border-radius: 20px;
padding: 5px;
}
.login-form p{
font-size: 30px;
margin: 5px 50px 5px 50px;
text-transform: capitalize;
}
.login-form input{
font-size: 16px;
width: 80%;
padding: 15px 10px;
margin: 5px 50px 5px 50px;
outline: none;
border-radius: 5px;
}
.login-form button{
font-size: 18px;
font-weight: bold;
margin: 5px 140px 5px 140px;
padding: 10px 15px 15px 15px;
width: 50%;
border: 0;
border-radius: 5px;
color: white;
background-color: tomato;
}
.login-form #back_button input{
```

```
font-size: 18px;
font-weight: bold;
margin: 5px 140px 10px 140px;
padding: 10px 15px 15px 15px;
width: 50%;
border-radius: 5px;
border: 0;
color: white;
background-color: tomato;
}
.banner {
padding: 20px;
text-align: center;
background: rgb(2,0,36);
background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
color: white;
font-size: 15px;
}
```

```
body{
background-color: #dee1ed;
align-content: center;
}
```

```
.login-form button:hover{
background-color: greenyellow;
color: black;
font-size: 30px;
}
```

```
.login-form #back_button input:hover{
background-color: greenyellow;
color: black;
font-size: 30px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="banner">
```

```
<h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>
```

```
</div>
```

```

<div class="login-form">

    <h1>Employee Login</h1>

    <form action="EmployeeLoginServlet" method="post">

        <p>username</p>

        <input type="text" name="username" placeholder="username">

        <p>password</p>

        <input type="password" name="password" placeholder="password">

        <button type="submit">Login</button>

    </form>

    <form id = "back_button">

        <input type="button" value="Back" onclick="history.back()">

    </form>

</div>

</body>

</html>

```

PostExperience.jsp

```

<%--
    Document   : PostExperience
    Created on : 24 Aug, 2022, 2:11:20 PM
    Author    : USER
--%>

<% @page import="java.sql.DriverManager"%>
<% @page import="java.sql.ResultSet"%>
<% @page import="java.sql.PreparedStatement"%>
<% @page import="java.sql.Connection"%>
<% @page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>

<html>

    <head>

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

        <title>Post Experience</title>

        <style>

            * {

                padding: 0;

                margin: 0;

```



```
font-family: "Times New Roman", Times, serif;
}
body{
    background-color: #dee1ed;
}
.banner {
    padding: 20px;
    text-align: center;
    background: rgb(2,0,36);
    background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
    color: white;
    font-size: 15px;
}
.banner input{
    font-size: 20px;
    font-weight: bold;
    padding: 8px;
    width: 5%;
    border: 0;
    color: white;
    background-color: #f00;
    float: right;
    align-content: center;
}
.banner input:hover{
    background: greenyellow;
    color: black;
}

.btn-add:hover{
    background-color: blue;
    display: flex;
}
.container{

    margin-bottom: 100px;
}
.container h1, h3{
```

```

        color: blue;

        margin-top: 50px;

        text-align: center;

        font-size: 32px;

    }

    .input-group{

        margin: 30px 450px;

    }

    .container .container-2 input{

        font-size: 20px;

        font-weight: bold;

        padding: 8px;

        width: 12%;

        align-content: center;

        border: 5px;

        border-color: black;

        margin-left: 1100px;

        margin-top: 10px;

    }

    .container .container-2 h1{

        margin-top: 0;

    }

    .container .textarea textarea{

        font-size: 20px;font-weight: bold;align-content: center;border: 5px;border-color: black;margin-left: 700px;margin-top:
10px;

    }

</style>

</head>

<body>

<div class="banner">

    <input type="submit" name="back" value="back" onclick="history.back()">

    <h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>

</div>

<div class="container">

    <h1>View Posts</h1>

```

```

<hr>

<h3>Select Company</h3>

<%
Connection con;

PreparedStatement pst;

ResultSet rs;

try{

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

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true",
"root", "root");

pst = con.prepareStatement("select name from companies");

rs=pst.executeQuery();

if(rs.next()){

    out.println("<div style='font-size: 40px; font-align: center; padding-bottom: 80px; padding-left: 1000px;'>");

    out.println("<form method='post' action='PostExperienceServlet'>");

    out.println("<tr>");

    out.println("<td>Select company</td>");

    out.println("<td>");

    out.println("<select name='combo' style='padding-right: 25px; font-size: 35px; background-color: blue; color: white'>");

    do{

        String company_name = rs.getString("name");

        out.println("<option value='"+ company_name + "'> " + company_name+ "</option>");

    }

    while(rs.next());

    out.println("</select>");

    out.println("<h1 style='margin-left: -1100px ' >Reg No</h1>");

    out.println("<input type='text' class='form-control' id='regno' name='regno' placeholder='Reg No' style='font-size: 20px; font-weight: bold; padding: 8px; width: 12%;align-content: center; border: 5px;border-color: black; margin-left: 120px; margin-top: 10px'></br>");

    out.println("<h1 style='margin-left: -1100px ' >Content</h1>");

    out.println("<textarea id='description_content' class='description_content' name='description_content' rows='25' cols='150' style='font-size: 20px;font-weight: bold;align-content: center;border: 5px;border-color: black;margin-left: -350px;margin-top: 10px; ' ></textarea></br>");

    out.println("<input type=submit value=Post style='padding-right: 20px; padding-left: 20px; font-size: 35px; background-color: green; color: white; margin-left: 220px; margin-top: 5px'>");

    rs.close();

}

out.println("</form>");

```

```

        out.println("</div>");
    }
    catch(Exception e){
        e.printStackTrace();
    }
%>

</form>

</div>

</body>

</html>

```

PostQuery.html

```
<!DOCTYPE html>
```

```
<!--
```

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and open the template in the editor.

```
-->
```

```
<html>
```

```
<head>
```

```
<title>Post query</title>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<style>
```

```
* {
```

```
    padding: 0;
```

```
    margin: 0;
```

```
    font-family: "Times New Roman", Times, serif;
```

```
}
```

```
.banner {
```

```
    padding: 20px;
```

```
    text-align: center;
```

```
    background: rgb(2,0,36);
```

```
    background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
```

```
    color: white;
```

```
    font-size: 15px;
```

```
}
```

```
body{
```

```
    background-color: #dee1ed;
```

```
    align-content: center;
}

.banner input{
    font-size: 20px;
    font-weight: bold;
    padding: 8px;
    width: 5%;
    border: 0;
    color: white;
    background-color: #f00;
    float: right;
    align-content: center;
}

.banner input:hover{
    background: greenyellow;
    color: black;
}

.container{
    margin-bottom: 100px;
}

.container h1{
    color: blue;
    margin-top: 40px;
    text-align: center;
    font-size: 32px;
}

}

.input-group{
    margin: 100px 1000px;
}

.input-group input{
    height: 45px;
    padding-right: 70px;
    padding-top: 8px;
    padding-bottom: 8px;
    margin: 20px;
    font-size: 50px;
```

```
text-align: left;
```

```
}
```

```
.input-group .type{
```

```
height: 45px;
```

```
padding-right: 70px;
```

```
padding-top: 30px;
```

```
padding-bottom: 30px;
```

```
margin: 20px;
```

```
font-size: 50px;
```

```
text-align: left;
```

```
text-transform: capitalize;
```

```
display: flex;
```

```
}
```

```
.input-group .type{
```

```
display: inline;
```

```
width: 30px;
```

```
height: 30px;
```

```
}
```

```
.input-group label{
```

```
font-size: 25px;
```

```
color: black;
```

```
}
```

```
.btn-add{
```

```
background-color: green;
```

```
color: white;
```

```
padding: 15px 75px;
```

```
font-size: 35px;
```

```
margin-top: 5px;
```

```
margin-left: 200px;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="banner">
```

```
<input type="submit" name="back" value="back" onclick="history.back()">
```

```

    <h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>

</div>

<div class="container">

    <div class="row">

        <div class="col-12">

            <h1>Post Your Query</h1>

            <hr>

            <div class="input-group">

                <form action="PostQueryServlet" method="post">

                    <h1>Regno</h1><input type="text" class="form-control" id ="regno" name="regno" placeholder="Reg
No"></br>

                    <h1>Email</h1> <input type="text" class="form-control" id="package" name="email"
placeholder="email"></br>

                    <h1>Query</h1>

                    <textarea id='description_content' class='description_content' name='description_content' rows='10' cols='150'
style=" border: 5px; border-color: black; font-size: 20px;font-weight: bold;align-content: center;border: 5px;border-color:
black;margin-left: -350px;margin-top: 10px"></textarea>

                    <div class="input-group-append">

                        <button onclick="form.action=PostQueryServlet" class="btn btn-add" type="submit">Send</button>

                    </div>

                </form>

            </div>

        </div>

    </div>

</div>

</body>

</html>

```

StudentHome.html

```
<!DOCTYPE html>
```

```
<!--
```

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and open the template in the editor.

```
-->
```

```
<html>
```

```
<head>
```

```
<title>Student Home</title>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<style>
```

```
* {
```

```
padding: 0;
```

```
margin: 0;
```

```
font-family: "Times New Roman", Times, serif;
```

```
}
```

```
.banner {
```

```
padding: 20px;
```

```
text-align: center;
```

```
background: rgb(2,0,36);
```

```
background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
```

```
color: white;
```

```
font-size: 15px;
```

```
}
```

```
body{
```

```
background-color: #dee1ed;
```

```
align-content: center;
```

```
}
```

```
.banner input{
```

```
font-size: 20px;
```

```
font-weight: bold;
```

```
padding: 8px;
```

```
width: 5%;
```

```
border: 0;
```

```
color: white;
```

```
background-color: #f00;
```

```
float: right;
```

```
align-content: center;
```

```
}
```

```
.banner input:hover{
```

```
background: greenyellow;
```

```
color: black;
```

```
}
```

```
.container{
```

```
position: relative;
```

```
width: 2350px;
```



```
height: 300px;

margin: 100px 100px 100px 100px;

padding-bottom: 500px;

background: blue;

}

.container .box{

    position: relative;

    width: calc(400px - 20px);

    height: calc(300px - 20px);

    background: #000;

    float: left;

    margin: 100px;

    box-sizing: border-box;

    overflow: hidden;

    border-radius: 10px;

}

.container .box .icon{

    position: absolute;

    top: 0;

    left: 0;

    width: 100%;

    height: 100%;

    background: #f00;

    transition: 0.5s;

    z-index: 1;

}

.container .box:hover .icon{

    top: 5px;

    padding: 8px;

    margin: 5%;

    right: calc(20% - 100px);

    width: 80px;

    height: 80px;

    border-radius: 50%;

}

}
```

```

.container .box .icon .fa{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
    font-size: 80px;
    transition: 0.5s;
    color: #fff;
}

.container .box .content{
    position: absolute;
    top: 100px;
    height: calc(100% - 100px);
    text-align: center;
    padding: 10px 5px 0 50px;
    box-sizing: border-box;
    font-size: 30px;
    color: white;
}

.container .box .content a{
    text-decoration: none;
    color: white;
}
</style>
</head>
<body>
    <div class="banner">
        <input type="submit" name="Logout" value="Logout" onclick="history.back()">
        <h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>
    </div>
    <div class="container">
        <div class="box">
            <div class="icon">
                <i class="fa fa-eye" aria-hidden="true"></i>
            </div>
            <div class="content">
                <a href="ViewCompanyExperiences.jsp">View</a>
            </div>
        </div>
    </div>

```

<p>" See Shared Experience "</p>

</div>

</div>

<div class="box">

<div class="icon">

<i class="fa fa-paper-plane" aria-hidden="true"></i>

</div>

<div class="content">

Post

<p>" Share your Experience "</p>

</div>

</div>

<div class="box">

<div class="icon">

<i class="fa fa-pencil-square" aria-hidden="true"></i>

</div>

<div class="content">

Query

<p>" Post your Queries "</p>

</div>

</div>

<div class="box">

<div class="icon">

<i class="fa fa-user-circle-o" aria-hidden="true"></i>

</div>

<div class="content">

<h3>Profile</h3>

<p>" Change Password "</p>

</div>

</div>

</div>

</body>

</html>

StudentLogin.html

<!DOCTYPE html>

<!--

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and open the template in the editor.

-->

<html>

<head>

<title>Student Login</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<style>

* {

padding: 0;

margin: 0;

font-family: "Times New Roman", Times, serif;

}

.login-form{

width: 600px;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

position: absolute;

align-content: center;

background-color: white;

border-radius: 25px;

}

.login-form h1 {

font-size: 30px;

text-align: center;

text-transform: capitalize;

margin: 50px 80px;

color: white;

background-color: blue;

border-radius: 20px;

padding: 5px;

}

.login-form p{

```
font-size: 30px;

margin: 5px 50px 5px 50px;

text-transform: capitalize;
}

.login-form input{

font-size: 16px;

width: 80%;

padding: 15px 10px;

margin: 5px 50px 5px 50px;

outline: none;

border-radius: 5px;
}

.login-form button{

font-size: 18px;

font-weight: bold;

margin: 5px 140px 5px 140px;

padding: 10px 15px 15px 15px;

width: 50%;

border: 0;

border-radius: 5px;

color: white;

background-color: tomato;
}

.login-form #back_button input{

font-size: 18px;

font-weight: bold;

margin: 5px 140px 10px 140px;

padding: 10px 15px 15px 15px;

width: 50%;

border-radius: 5px;

border: 0;

color: white;

background-color: tomato;
}

.banner {

padding: 20px;

text-align: center;

background: rgb(2,0,36);
```

```

        background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
        color: white;
        font-size: 15px;
    }
    body{
        background-color: #dee1ed;
        align-content: center;
    }
    .login-form button:hover{
        background-color: greenyellow;
        color: black;
        font-size: 30px;
    }
    .login-form #back_button input:hover{
        background-color: greenyellow;
        color: black;
        font-size: 30px;
    }
</style>
</head>
<body>
    <div class="banner">
        <h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>
    </div>

    <div class="login-form">
        <h1>Student Login</h1>
        <form action="StudentLoginServlet" method="post">
            <p>username</p>
            <input type="text" name="username" placeholder="username">
            <p>password</p>
            <input type="password" name="password" placeholder="password">
            <button type="submit" onclick="form.action = StudentLoginServlet">Login</button>
        </form>

        <form id = "back_button">
            <input type="button" value="Back" onclick="history.back()">
        </form>
    </div>

```

```
</body>

</html>

ViewCompanyExperience.jsp

<%--
    Document   : ViewCompanyExperiences
    Created on : 24 Aug, 2022, 12:49:28 AM
    Author    : USER
--%>

<% @page import="java.sql.DriverManager"%>
<% @page import="java.sql.ResultSet"%>
<% @page import="java.sql.PreparedStatement"%>
<% @page import="java.sql.Connection"%>
<% @page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>

<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>View Shared Experiences</title>
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-
Vkoo8x4CGsO3+Hhvxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="anonymous">
        <script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849bIE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwjl1yYfoRSJoZ+n" crossorigin="anonymous"></script>
        <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js" integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin="anonymous"></script>
        <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js" integrity="sha384-
wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6" crossorigin="anonymous"></script>

    <style>
        * {
            padding: 0;
            margin: 0;
            font-family: "Times New Roman", Times, serif;
        }
        .banner {
            padding: 20px;
            text-align: center;
            background: rgb(2,0,36);
            background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
        }
    </style>
</head>
<body>
    <div class="container">
        <div class="row">
            <div class="col">
                <div class="card">
                    <div class="card-body">
                        <div class="text-center">
                            <h2>View Shared Experiences</h2>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>
</html>
```

```
    color: white;
    font-size: 15px;
}
.banner input{
    font-size: 20px;
    font-weight: bold;
    padding: 8px;
    width: 5%;
    border: 0;
    color: white;
    background-color: #f00;
    float: right;
    align-content: center;
}
.banner input:hover{
    background: greenyellow;
    color: black;
}
body{
    background-color: #dee1ed;
}
.container{
    background-color: white;
    margin-bottom: 100px;
}
.container h1, h3{
    color: blue;
    margin-top: 50px;
    text-align: center;
    font-size: 32px;
}

.input-group{
    margin: 30px 450px;
}
```

</style>


```

</head>

<body>

    <div class="banner">

        <input type="submit" name="back" value="back" onclick="history.back()">

        <h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>

    </div>

    <div class="container">

        <div class="row">

            <div class="col-12">

                <h1>View Posts</h1>

                <hr>

                <div class="input-group">

                    <form method="get" action="ViewExperienceServlet">

                        <div class="form-group">

                            <h3>Select Company</h3>

                        </div>

                    </div>

                </div>

            </div>

        </div>

<%

    Connection con;

    PreparedStatement pst;

    ResultSet rs;

    try

    {

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

        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true",

"root", "root");

        pst = con.prepareStatement("select name from companies");

        rs=pst.executeQuery();

        if(rs.next())

        {

            out.println("<div style=\"font-size: 40px; font-align: center; padding-bottom: 80px; padding-left: 200px;\">");

            out.println("<tr>");

                out.println("<td>Choose the company</td>");

            out.println("<td>");

            out.println("<select name='combo'>");

```

```

do{
    String company_name = rs.getString("name");
    out.println("<option value='"+ company_name +"'>" + company_name+ "</option>");
}
while(rs.next());
out.println("</select>");
rs.close();
out.println("</td></tr>");
    out.println("</tr><td colspan=2 align=center><input type=submit value=search></td></tr>");
}
else
{
    out.println("<tr>");
out.println("<td colspan=2 align=right>");
out.println("Sorry table is Empty");
    out.println("</td>");
}

out.println("</form>");
out.println("</div>");
}

catch(Exception e)
{
    e.printStackTrace(); // Or System.out.println(e);
}

%>
</div>
</form>

</div>

</div>
</div>
</body>
</html>
Index.html
<!DOCTYPE html>

```

<!--

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and open the template in the editor.

-->

<html>

<head>

<title>Main Page</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<style>

*{

margin: 0;

padding: 0;

font-family: "Times New Roman", Times, serif;

}

.banner {

padding: 20px;

text-align: center;

background: rgb(2,0,36);

background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);

color: white;

font-size: 15px;

}

.login{

width: 450px;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

position: absolute;

align-content: center;

background-color: white;

border-radius: 25px;

}

.login h1 {

font-size: 30px;

text-align: center;

```
text-transform: capitalize;

margin: 50px 80px;

padding: 20px;

color: white;

background: blue;

}
```

```
body{

background-color: #dee1ed;

align-content: center;

}
```

```
.login input{

font-size: 30px;

font-weight: bold;

margin: 50px 80px;

padding: 45px;

width: 65%;

border-radius: 25px;

border: 0;

color: white;

background-color: tomato;

align-content: center;

}

.login input:hover{

background: greenyellow;

color: black;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="banner">
```

```
<h1>STUDENT TECHNICAL SUPPORT SYSTEM</h1>
```

```
</div>
```

```
<div class="login">
```

```
<form>
```

```
<h1>Login</h1>

<input type="submit" name="studentlogin" value="StudentLogin" onclick="form.action='StudentLogin.html'">

<input type="submit" name="employeelogin" value="EmployeeLogin" onclick="form.action='EmployeeLogin.html'">

</form>

</div>

</body>

</html>
```

AddCompanyServlet.java

```
/*
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 * and open the template in the editor.
 */

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 java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author USER
 */
public class AddCompanyServlet extends HttpServlet {

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```

        throws ServletException, IOException {
response.setContentType("text/html");
PrintWriter out = response.getWriter();
String companyname = request.getParameter("companyname");
String category = request.getParameter("category");
String ctc = request.getParameter("package");
String type = request.getParameter("type");
if(companyname != null){
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");

        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true", "root", "root");

        PreparedStatement s;

        s = con.prepareStatement("insert into companies values(?, ?, ?, ?)");

        s.setString(1, companyname);

        s.setString(2, category);

        s.setString(3, ctc);

        s.setString(4, type);

        int x = s.executeUpdate();

        response.sendRedirect("EmployeeAddCompanies.html");

        s.close();

        con.close();

    } catch (ClassNotFoundException ex) {

        Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
    } catch (SQLException ex) {

        Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
    }

    else{

        response.sendRedirect("EmployeeAddCompanies.html");

    }

}
}

```

EmployeeLoginServlet.java

/*

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* and open the template in the editor.

*/

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

/**

*

* @author USER

*/

```
public class EmployeeLoginServlet extends HttpServlet {
```

@Override

```
protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
    throws ServletException, IOException {
```

```
    response.setContentType("text/html");
```

```
    PrintWriter out = response.getWriter();
```

```
    String username = request.getParameter("username");
```

```
    String password = request.getParameter("password");
```

```
    try {
```

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

```
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false", "root", "root");
```

```
        Statement s = con.createStatement();
```

```
        ResultSet r = s.executeQuery("select * from employee where reg_no= '"+username+"' and password= '" + password + "'");
```

```

        if(r.next()){
            response.sendRedirect("EmployeeHome.html");

        }
        else{
            response.sendRedirect("EmployeeLogin.html");
        }
        con.close();

    } catch (ClassNotFoundException ex) {
        Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
    } catch (SQLException ex) {
        Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
    }
}

```

```

}

```

PostExperienecServlet.java

```

/*
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 * and open the template in the editor.
 */

```

```

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

```



```

/**
 *
 * @author USER
 */

public class PostExperienceServlet extends HttpServlet {

    @Override

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

        String companyname = request.getParameter("combo");

        String regno = request.getParameter("regno");

        String description = request.getParameter("description_content");

        if(companyname != null && regno != null && description != null){

            try {

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

                Connection con =

                DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true", "root", "root");

                PreparedStatement s;

                s = con.prepareStatement("insert into Experiences(stu_reg_no, company_name, description_content) values(?, ?, ?)");

                s.setString(1, regno);

                s.setString(2, companyname);

                s.setString(3, description);

                int x = s.executeUpdate();

                response.sendRedirect("PostExperience.jsp");

                s.close();

                con.close();

            } catch (ClassNotFoundException ex) {

                Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);

            } catch (SQLException ex) {

                Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);

            }

        }

    }
}

```

```

else{
    response.sendRedirect("PostExperience.jsp");
}
}
}
}

```

PostQueryServlet.java

```

/*
 * To change this license header, choose License Headers in Project Properties.
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 * and open the template in the editor.
 */

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class PostQueryServlet extends HttpServlet {

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String regno = request.getParameter("regno");
        String email = request.getParameter("email");
        String description_content = request.getParameter("description_content");
        if(regno != null && regno != null){

```

```

try {
    Class.forName("com.mysql.cj.jdbc.Driver");

    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true", "root", "root");

    PreparedStatement s;

    s = con.prepareStatement("insert into query(stu_reg_no, email, query_content) values(?, ?, ?)");

    s.setString(1, regno);

    s.setString(2, email);

    s.setString(3, description_content);

    int x = s.executeUpdate();

    response.sendRedirect("PostQuery.html");

    s.close();

    con.close();

} catch (ClassNotFoundException ex) {

    Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

    Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);

}

else{

    response.sendRedirect("PostQuery.html");

}

}

}

```

PostReply.java

```

/*
 * To change this license header, choose License Headers in Project Properties.
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 * and open the template in the editor.
 */

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;

```

```

import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.mail.Message;
import javax.mail.MessagingException;
import javax.mail.PasswordAuthentication;
import javax.mail.Session;
import javax.mail.Transport;
import javax.mail.internet.InternetAddress;
import javax.mail.internet.MimeMessage;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author USER
 */
public class PostReply extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        try {
            String q_id = request.getParameter("qid");
            String content = request.getParameter("description_content");
            int qid = Integer.valueOf(q_id);
            Class.forName("com.mysql.cj.jdbc.Driver");

            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true", "root", "root");

            Statement s = con.createStatement();

            getemail(content, qid);

            int r = s.executeUpdate("delete from query where q_id = '"+ qid +"'");

            if(r == 1){
                response.sendRedirect("ViewQueryServlet");
            }
        }
    }
}

```

```

    }

    else{
        response.sendRedirect("ViewQueryServlet");
    }

    con.close();

} catch (ClassNotFoundException ex) {
    Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
} catch (SQLException ex) {
    Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
}

}

public static void getemail(String content, int qid) throws ClassNotFoundException, SQLException{
    Class.forName("com.mysql.cj.jdbc.Driver");

    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true", "root", "root");

    Statement s = con.createStatement();

    ResultSet email = s.executeQuery("select email from query where q_id = '"+ qid +"'");
    if(email.next()){
        sendEmail(content, email.getString("email"));
    }

}

public static void sendEmail(String content, String email){
    String host="smtp.gmail.com";

    final String user="raavi.shiva2222@gmail.com";//change accordingly
    final String password="iaychksdwppgexmv";//change accordingly

    String to= email;//change accordingly

    //Get the session object
    Properties props = new Properties();
    props.put("mail.smtp.host", host);
    props.put("mail.smtp.port", "465");
    props.put("mail.smtp.ssl.enable", "true");

```

```
props.put("mail.smtp.auth", "true");
```

```
Session session = Session.getInstance(props,new javax.mail.Authenticator() {  
    protected PasswordAuthentication getPasswordAuthentication() {  
return new PasswordAuthentication(user,password);  
    }  
});
```

```
//Compose the message
```

```
try {  
    MimeMessage message = new MimeMessage(session);  
    message.setFrom(new InternetAddress(user));  
    message.addRecipient(Message.RecipientType.TO,new InternetAddress(to));  
    message.setSubject("Student Technical support system");  
    message.setText(content);
```

```
//send the message
```

```
Transport.send(message);
```

```
System.out.println("message sent successfully...");
```

```
    } catch (MessagingException e) {e.printStackTrace();}
```

```
    }
```

```
}
```

StudentLoginServlet.java

```
/*
```

```
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```

```
*/
```

```
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 java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```
public class StudentLoginServlet extends HttpServlet {
```

```
    @Override
```

```
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
        throws ServletException, IOException {
```

```
        response.setContentType("text/html");
```

```
        PrintWriter out = response.getWriter();
```

```
        String username = request.getParameter("username");
```

```
        String password = request.getParameter("password");
```

```
        try {
```

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

```
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true", "root", "root");
```

```
            Statement s = con.createStatement();
```

```
            ResultSet r = s.executeQuery("select * from student where reg_no= '"+username+"' and password= '" + password + "'");
```

```
            if(r.next() == true){
```

```
                response.sendRedirect("StudentHome.html");
```

```
            }
```

```
            else{
```

```
                response.sendRedirect("StudentLogin.html");
```

```
            }
```

```
            con.close();
```

```

    } catch (ClassNotFoundException ex) {
        Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
    } catch (SQLException ex) {
        Logger.getLogger(StudentLoginServlet.class.getName()).log(Level.SEVERE, null, ex);
    }
}

```

```

}

```

ViewExperienceServlet.java

```

/*

```

```

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```

```

 */

```

```

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.annotation.WebServlet;

```

```

import javax.servlet.http.HttpServlet;

```

```

import javax.servlet.http.HttpServletRequest;

```

```

import javax.servlet.http.HttpServletResponse;

```

```

/**

```

```

 *

```

```

 * @author USER

```

```

 */

```

```

@WebServlet("/ViewExperienceServlet")

```

```

public class ViewExperienceServlet extends HttpServlet {

```

```

    int i;

```

```

    Connection con;

```

```

    PreparedStatement pst;

```

```

    ResultSet rs;

```


@Override

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        i++;

        PrintWriter out = response.getWriter();
        response.setContentType("text/html");
        out.println("<html><body style=\"background-color: #deeled\">");

        String companyname= request.getParameter("combo");

        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true",
        "root", "root");

        pst = con.prepareStatement("select company_name, stu_reg_no, description_content from experiences where
        company_name='"+companyname+"'");
        rs = pst.executeQuery();

        out.println("<table width=60% border= 1 style=\"margin-left: 500px; margin-top: 150px; font-size: 35px\">");
        out.println("<tr><td colspan=4 \" ");
        out.println("<center><h2 style=\"background-color: blue; color: white\">Result of Search Page</h2></center>");
        out.println("<tr style=\"background-color: orange\">");
        out.println("<th>Company name</th>");
        out.println("<th>Reg no</th>");
        out.println("<th>description content</th>");
        out.println("</tr>");

        while(rs.next())
        {
            out.println("<tr>");

            out.println("<td>" + rs.getString("company_name") + "</td> ");
            out.println("<td>" + rs.getString("stu_reg_no") + "</td> ");
            out.println("<td>" + rs.getString("description_content") + "</td> ");
            out.println("</tr>");
        }

        out.println("</table>");
```

```
out.println("</html></body>");
```

```
}
```

```
catch (ClassNotFoundException ex) {
```

```
}catch (Exception e)
```

```
{ throw new ServletException("error", e); }
```

```
}
```

```
public void destory()
```

```
{
```

```
    i = 0;
```

```
}
```

```
}
```

```
ViewQueryServlet.java
```

```
/*
```

```
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```
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```

```
*/
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import static java.lang.System.out;
```

```
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;
```

```
/**
```

```
 *
```

```
 * @author USER
```

```
*/
```

```

public class ViewQueryServlet extends HttpServlet {

    Connection con;

    PreparedStatement pst;

    ResultSet rs;

    int i;

    @Override

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        try {

            i++;

            PrintWriter out = response.getWriter();

            response.setContentType("text/html");

            out.println("<html><body style=\"background-color: #deeled\">");

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

            con=DriverManager.getConnection("jdbc:mysql://localhost:3306/stss?useSSL=false&allowPublicKeyRetrieval=true",

"root", "root");

            pst = con.prepareStatement("select q_id, email, stu_reg_no, query_content from query");

            rs = pst.executeQuery();

            out.println("<form action=\"PostReply\" method=\"get\">");

            out.println("<table width=60% border= 1 style=\"margin-left: 500px; margin-top: 150px; font-size: 35px\">");

            out.println("<tr><td colspan=6\" );

            out.println("<center><h2 style=\"background-color: blue; color: white\">Result of Search Page</h2></center>");

            out.println("<tr style=\"background-color: orange\">");

            out.println("<th>query id</th>");

            out.println("<th>Reg No</th>");

            out.println("<th>query content</th>");

            out.println("<th>enter query id</th>");

            out.println("<th>post replay</th>");

            out.println("<th>submit</th>");

            out.println("</tr>");

            while(rs.next())

            {

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        out.println("<tr>");

        out.println("<td name=\"qid\" value=\"qid\">" + rs.getInt("q_id") + "</td> ");

        out.println("<td>" + rs.getString("stu_reg_no") + "</td> ");

        out.println("<td>" + rs.getString("query_content") + "</td> ");

        out.println("<td><textarea id='qid' class='qid' name='qid' rows='2' cols='5' style=\"font-size: 25px; font-weight: bold;align-content: center;border: 5px;border-color: black;margin: 0;\" ></textarea></td>");

        out.println("<td><textarea id='description_content' class='description_content' name='description_content' rows='6' cols='30' style=\"font-size: 25px; font-weight: bold;align-content: center;border: 5px;border-color: black;margin-top: 10px; padding-right: 40px;\" ></textarea></td>");

        out.println("<td><button onMouseOver=\"this.style.backgroundColor='red'\">\n" +
"        onMouseOut=\"this.style.backgroundColor='orange'\"  onMouseOver=\"this.style.color='red'\"> + "type=\"submit\" name=\"Post\" value=\"Post\" onclick=\"form.action='PostReply'\" style=\"font-size: 30px;\n" +
"        font-weight: bold;\n" +
"        margin: 35px 35px;\n" +
"        padding: 15px;\n" +
"        width: 65%;\n" +
"        border-radius: 25px;\n" +
"        border: 0;\n" +
"        color: white;\n" +
"        background-color: tomato;\n" +
"        align-content: center;\n" >post<button></td>");

        out.println("</tr>");
    }

    out.println("</table>");

    out.println("</form>");

    out.println("</html></body>");

}

catch (ClassNotFoundException ex) {

}

} catch (Exception e)

{ throw new ServletException("error", e); }

}

public void destory()

{

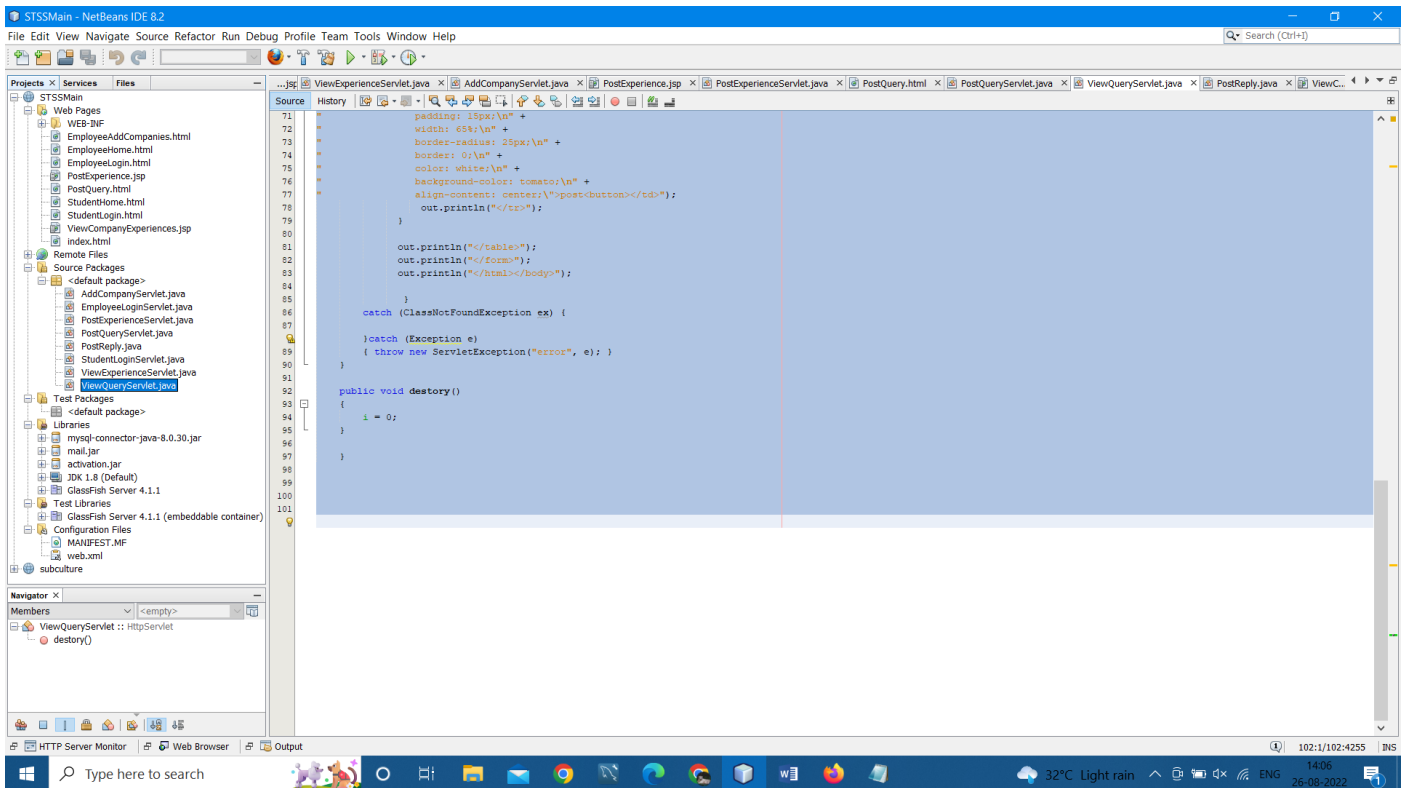
    i = 0;

```

}

}

File Organization:



Additional Documents:

SQL DataBase:

create database stss;

Student Table:

create table student(
name varchar(50),
reg_no varchar(10),
email varchar(100),
phone_no bigint(10),
branch varchar(50),
password varchar(50),
primary key(reg_no));

Employee Table:

create table employee(
name varchar(50),
reg_no varchar(10),

```
email varchar(100),  
phone_no bigint(10),  
branch varchar(50),  
password varchar(50),  
primary key(reg_no));
```

Companies Table:

```
create table companies(  
name varchar(100),  
category varchar(100),  
ctc varchar(100),  
type varchar(100),  
primary key(name));
```

Experiences Table:

```
create table Experiences(  
Exp_id int auto_increment,  
stu_reg_no varchar(10),  
company_name varchar(100),  
description_content text,  
primary key(exp_id),  
foreign key(stu_reg_no) references student(reg_no),  
foreign key(company_name) references companies(name));
```

Query table:

```
create table query(  
q_id int(100) auto_increment,  
email varchar(100),  
stu_reg_no varchar(10),  
query_content text,  
primary key(q_id),  
foreign key(stu_reg_no) references student(reg_no));
```

Complete Project available link:

https://drive.google.com/drive/folders/1i7zPUc9_1ah_cVHdUJm_slDafUlcIFF?usp=sharing