Project Report

Product Name	Advanced Certificate in Web Development
Qualification Name (NICF)	NICF-Advanced Certificate in Infocomm Technology (Software & Applications)
Product Name	Web Development Foundations
Module Name (NICF)	NICF -Web Development Foundations

Student name	**Assessor name**
Muhammad Kemal / BDSE-0922-084	

Date issued	**Completion date**	**Submitted on**

Project title	**Design, Develop, Implement & Document Community Portal Website**

Learner declaration
I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.
Student signature: Date: 08-03-2023

Content

1. Project Background

We have been approached by ABC Jobs Pte Ltd to develop a community portal for software developer. This project will be continued through Module 3, Module 4, Module 5 and Capstone projects. For this module the scope is Designing, Developing, Implementing & Documenting a Spring Website. Project Scope is to design a Community Portal Similar to Linkedin.com. Users will be able to register on the portal using the Registration Page. Users of the portal can search for other users using various parameters like First Name, Last Name, Company Name, City. Users will be able to see the Public Profile of the user after searching for it. Portal allow user to login, request forgotten password and Update their profile information Project scope in this module is for Spring Website development.

2. Project Objective

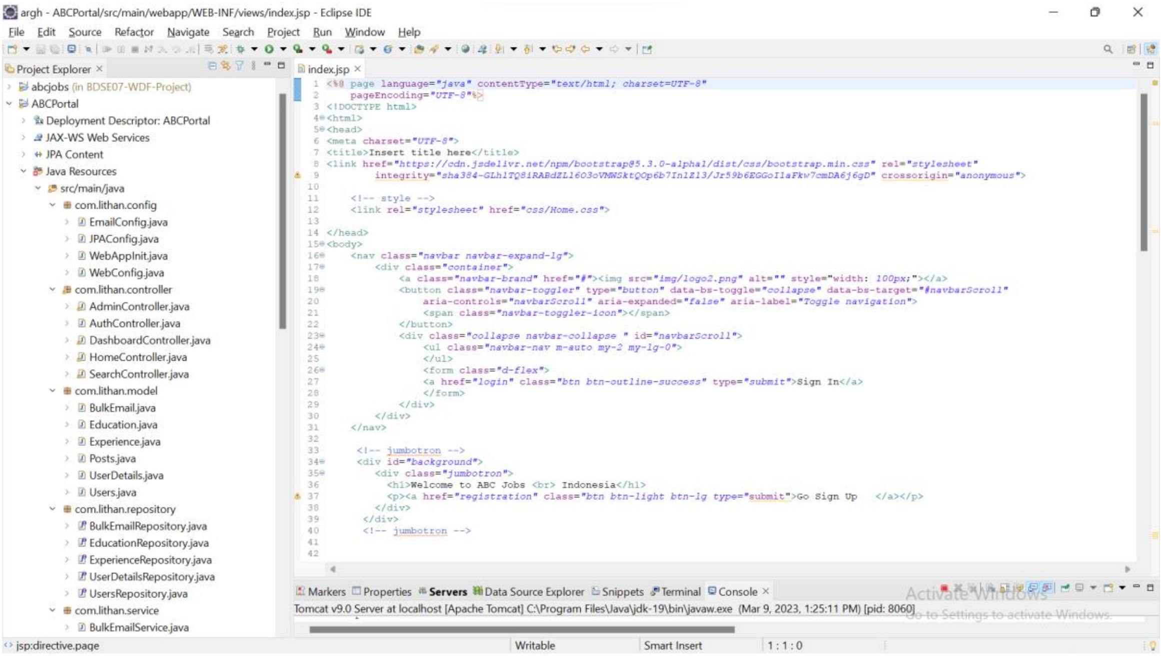
We need to design, develop, implement, test and document for ABC Jobs community Portal using spring framework.

Tools & platform used :

3. Project Requirements Specifications

< Screenshot of all the tools used in implementation and documentation>

1. Eclipse

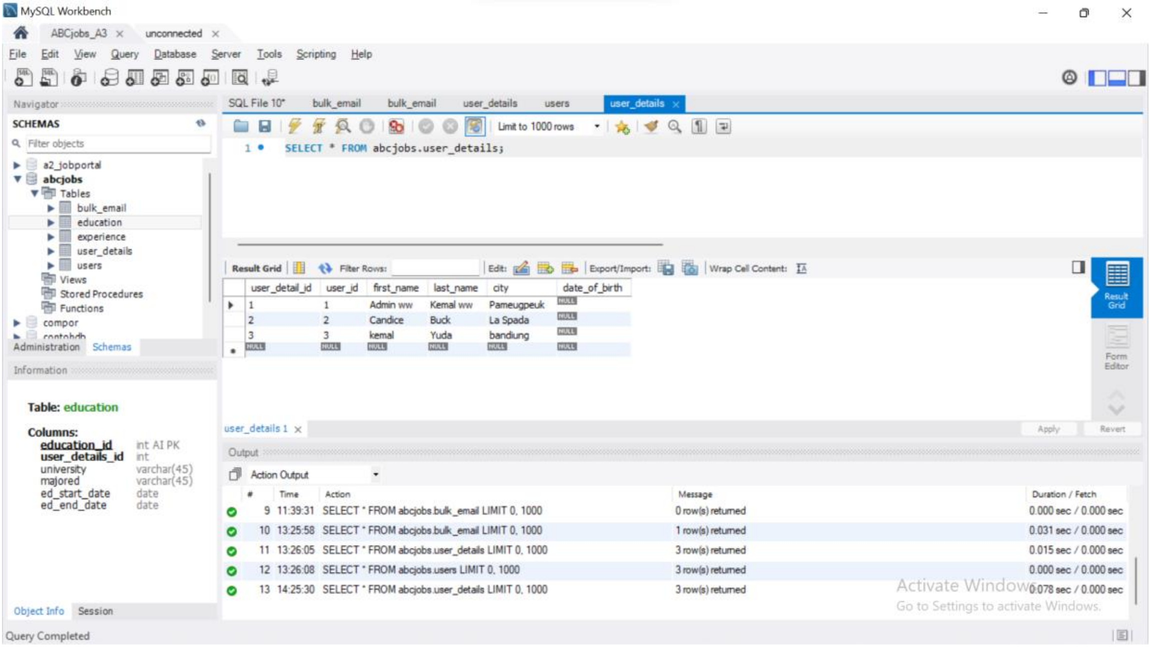


argh - ABCPortal/src/main/webapp/WEB-INF/views/index.jsp - Eclipse IDE

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">

    <!-- style -->
    <link rel="stylesheet" href="css/Home.css">

</head>
<body>
    <nav class="navbar navbar-expand-lg">
        <div class="container">
            <a class="navbar-brand" href="#"><img src="img/logo2.png" alt="" style="width: 100px;"></a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarScroll"
                aria-controls="navbarScroll" aria-expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse " id="navbarScroll">
                <ul class="navbar-nav m-auto my-2 my-lg-0">
                </ul>
                <form class="d-flex">
                <a href="login" class="btn btn-outline-success" type="submit">Sign In</a>
                </form>
            </div>
        </div>
    </nav>

     <!-- jumbotron -->
     <div id="background">
        <div class="jumbotron">
          <h1>Welcome to ABC Jobs <br> Indonesia</h1>
          <p><a href="registration" class="btn btn-light btn-lg type="submit">Go Sign Up   </a></p>
        </div>
      </div>
      <!-- jumbotron -->
```

```
Tomcat v9.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-19\bin\javaw.exe  (Mar 9, 2023, 1:25:11 PM) [pid: 8060]
```

2. SQL Workbench



MySQL Workbench

```
SELECT * FROM abcjobs.user_details;
```

user_detail_id	user_id	first_name	last_name	city	date_of_birth
1	1	Admin ww	Kemal ww	Pameugpeuk	NULL
2	2	Candice	Buck	La Spada	NULL
3	3	kemal	Yuda	bandiung	NULL
NULL	NULL	NULL	NULL	NULL	NULL

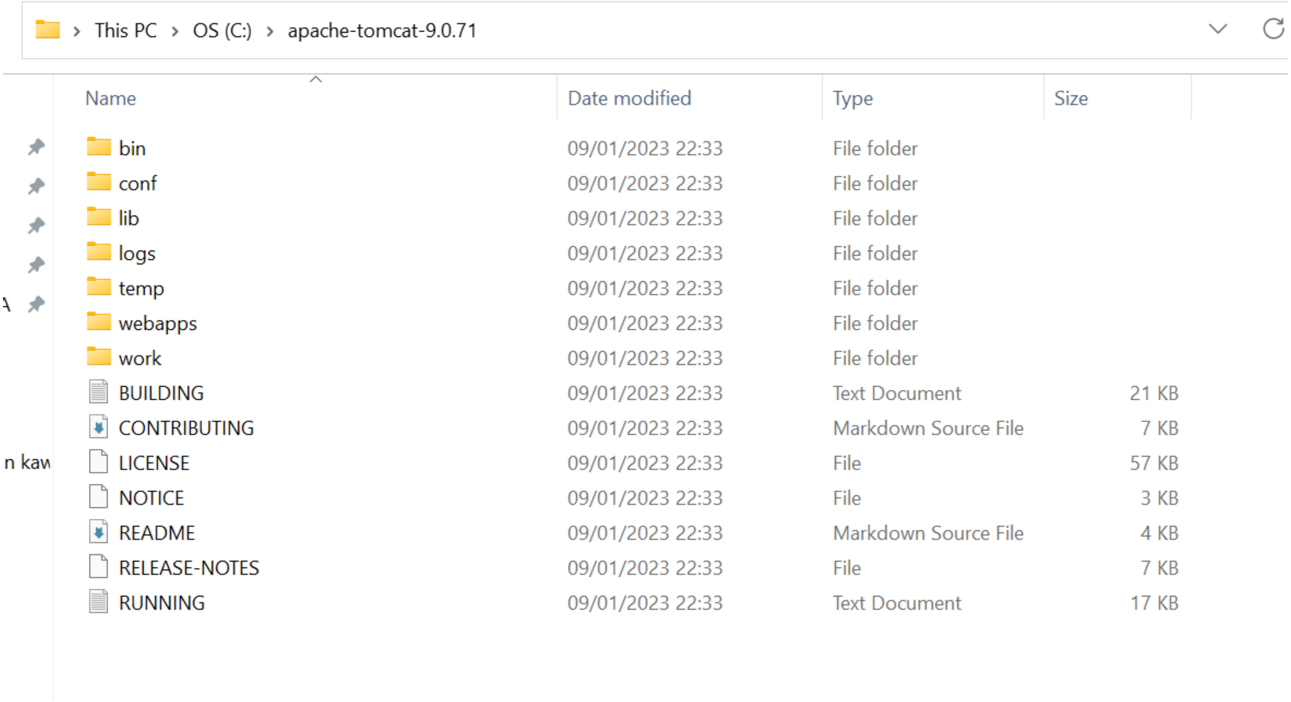
Table: education

Columns:

education_id	int AI PK
user_details_id	int
university	varchar(45)
majored	varchar(45)
ed_start_date	date
ed_end_date	date

```
 #  Time      Action                                              Message             Duration / Fetch
 9  11:39:31  SELECT * FROM abcjobs.bulk_email LIMIT 0, 1000     0 row(s) returned   0.000 sec / 0.000 sec
10  13:25:58  SELECT * FROM abcjobs.bulk_email LIMIT 0, 1000     1 row(s) returned   0.031 sec / 0.000 sec
11  13:26:05  SELECT * FROM abcjobs.user_details LIMIT 0, 1000   3 row(s) returned   0.015 sec / 0.000 sec
12  13:26:08  SELECT * FROM abcjobs.users LIMIT 0, 1000          3 row(s) returned   0.000 sec / 0.000 sec
13  14:25:30  SELECT * FROM abcjobs.user_details LIMIT 0, 1000   3 row(s) returned   0.078 sec / 0.000 sec
```

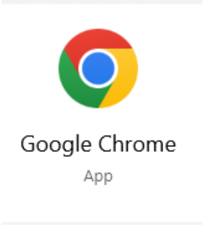
3. Apache Tomcat 9.0



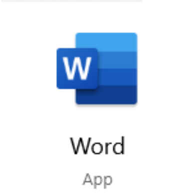
This PC › OS (C:) › apache-tomcat-9.0.71

Name	Date modified	Type	Size
bin	09/01/2023 22:33	File folder	
conf	09/01/2023 22:33	File folder	
lib	09/01/2023 22:33	File folder	
logs	09/01/2023 22:33	File folder	
temp	09/01/2023 22:33	File folder	
webapps	09/01/2023 22:33	File folder	
work	09/01/2023 22:33	File folder	
BUILDING	09/01/2023 22:33	Text Document	21 KB
CONTRIBUTING	09/01/2023 22:33	Markdown Source File	7 KB
LICENSE	09/01/2023 22:33	File	57 KB
NOTICE	09/01/2023 22:33	File	3 KB
README	09/01/2023 22:33	Markdown Source File	4 KB
RELEASE-NOTES	09/01/2023 22:33	File	7 KB
RUNNING	09/01/2023 22:33	Text Document	17 KB

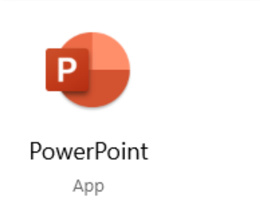
4. Google Chrome



5. Microsoft Word



6. Microsoft PowerPoint Presentation

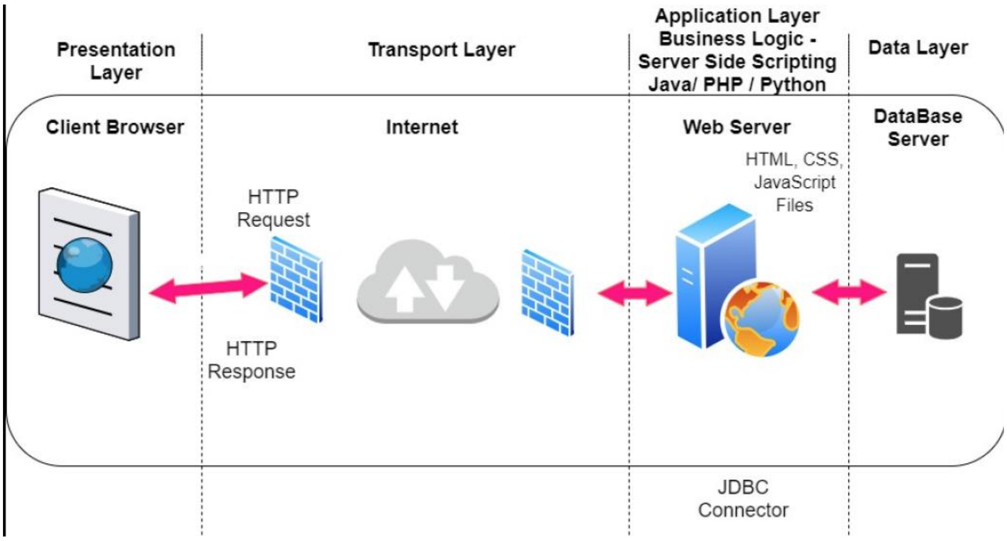


7. Etc

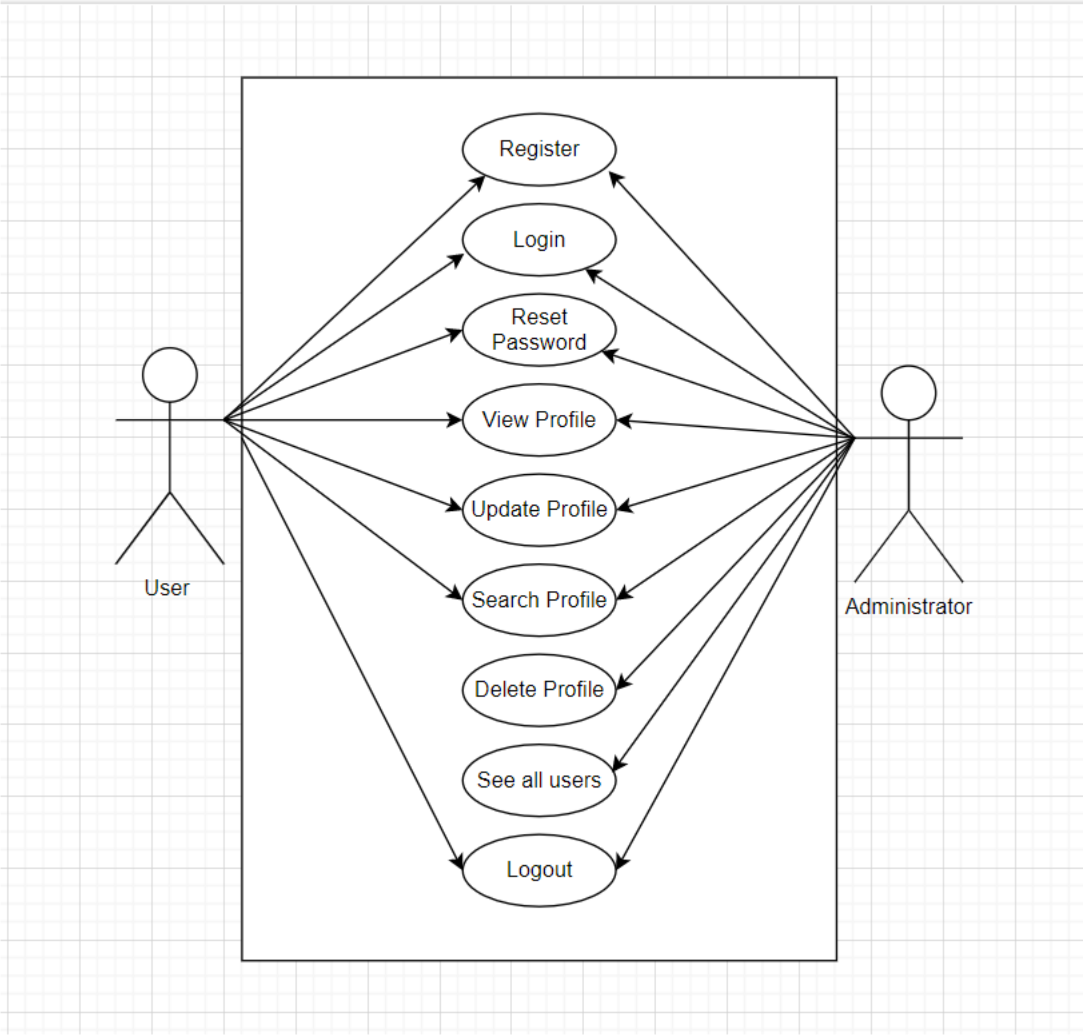
4. Task 1 Technical design

1. Task Statement: Block diagram of the system

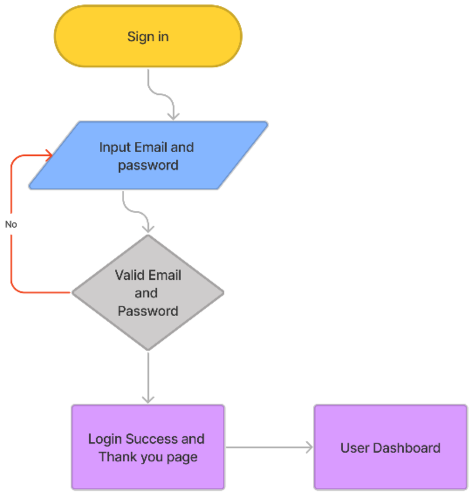
Solution:

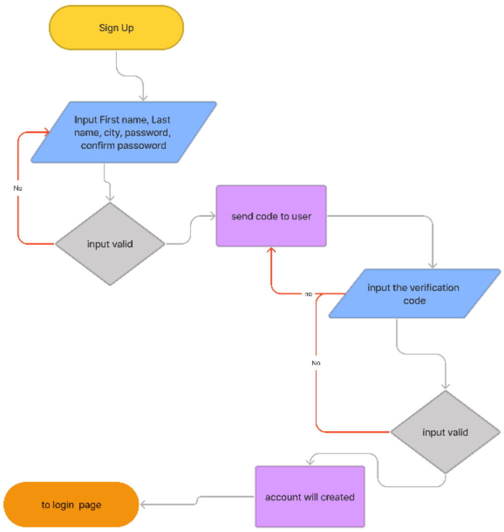
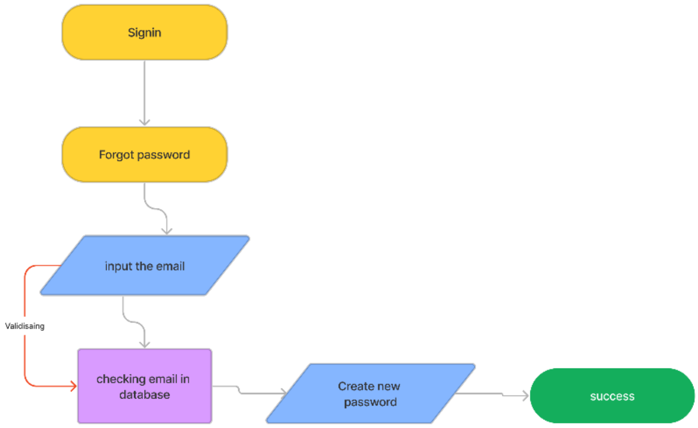
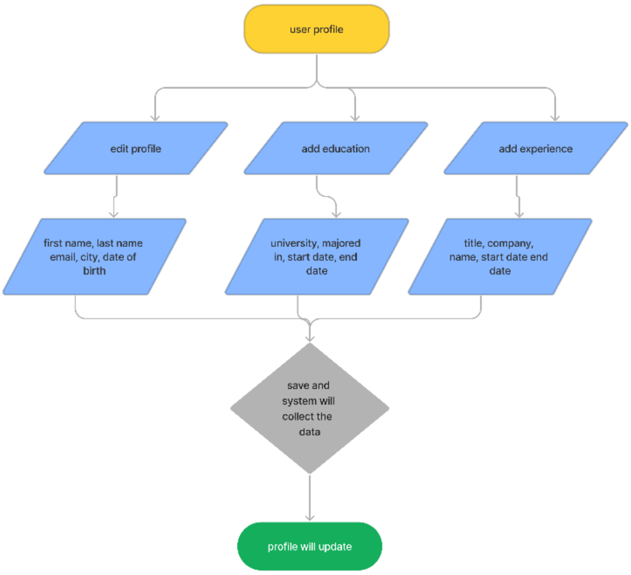


<Add Use Case diagram for describing overall requirements>>



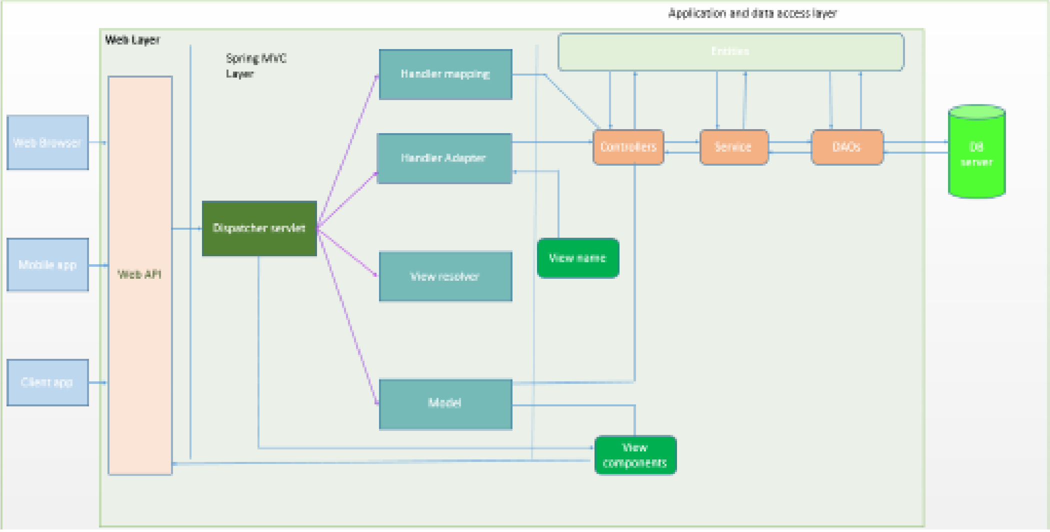
<<Design Activity Diagram/use case/flowcharts for each scenario>>

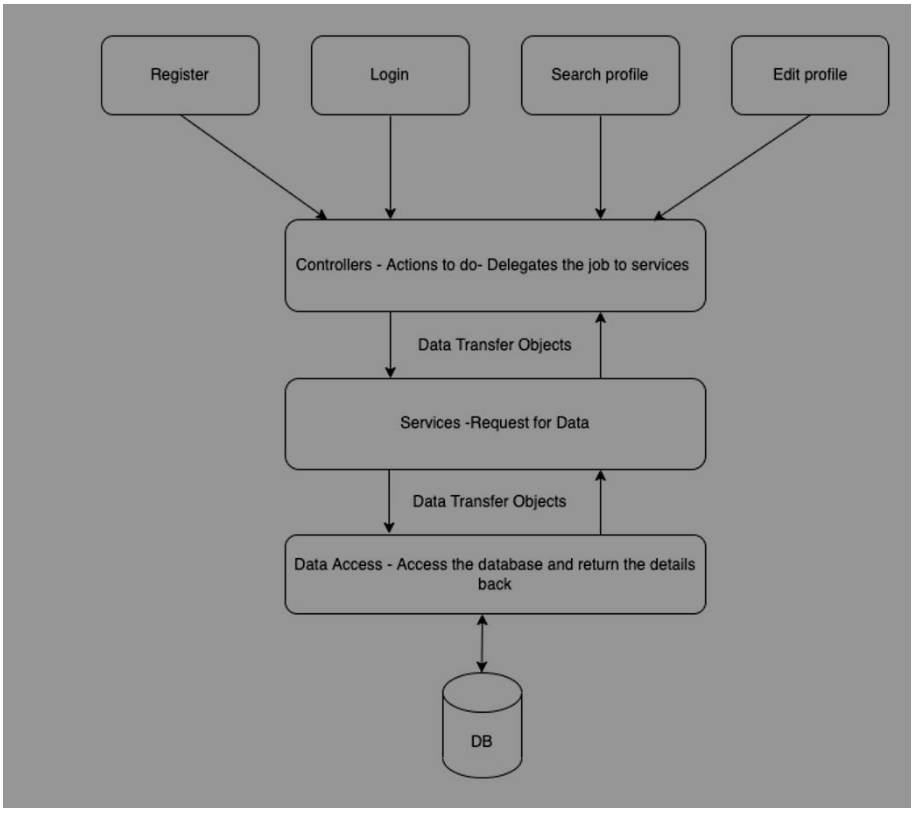
Flowchart	Steps
Login  Sign in Input Email and password No Valid Email and Password Login Success and Thank you page User Dashboard	1. The user first visits the Sign-in Page. 2. The user must input their email address and their created password. 3. If a user clicks the sign-in button and is a valid user, the system will check the data. If the email address or user is incorrect or different, input them both again. 4. After that, a thank you page will appear with a hyperlink leading to the user dashboard.
Register	1. User on the registration page. 2. The user hits "sign up" after entering their first and last names, city, email, and password. 3. If any of the entries are incorrect, the user will notice an error message above the button. 4. On the following page, if the request is genuine, a verification code will be sent. 5. The user may click the resend option if they did not receive the code.

 Sign Up Input First name, Last name, city, password, confirm passoword No input valid send code to user no input the verification code No input valid account will created to login page	User enters the verification code in step six. 7. The user will be directed to build a profile after selecting Create Your Account. 8. The login page will be accessible from the page.
Forgot password  Signin Forgot password input the email Validisaing checking email in database Create new password success	1. On the login screen, click the Forgot Password link. 2. The user inputs the email address they use to log in. 3. The process will continue if the email is in the database; else, an alert will be displayed. 4. The user inputs a new password and validates it. 5. When the sign-in page is reached after success
Update Profile  user profile edit profile add education add experience first name, last name email, city, date of birth university, majored in, start date, end date title, company, name, start date end date save and system will collect the data profile will update	1. Access your user profile 2. Click profile edit. 3. The first name, last name, phone number, and city can all be changed. Moreover, provide another way to alter the qualifications and experience 4. After finishing the profile edit, click "Save." 5. Data will be gathered and updated by the system.

Task Statement (b): Architecture of the system

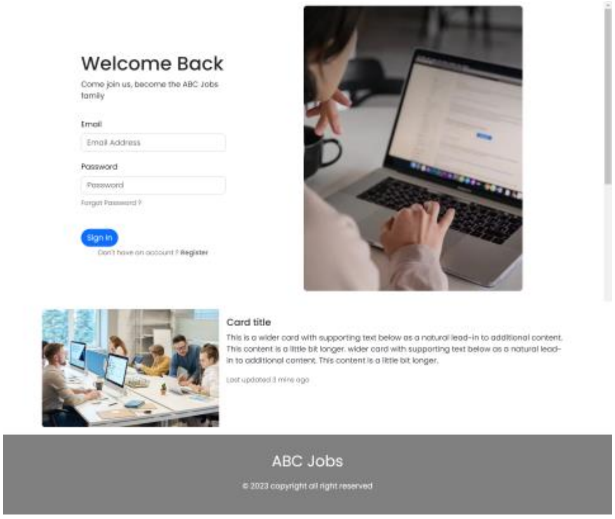
Solution:




Register
Login
Search profile
Edit profile
Controllers - Actions to do- Delegates the job to services
Data Transfer Objects
Services -Request for Data
Data Transfer Objects
Data Access - Access the database and return the details back
DB

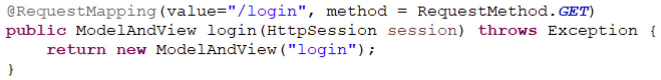
<Explain the flow of the application clearly>

((Consider one scenario as an example and explain the request flow from controller->service->DAO->DB clearly))



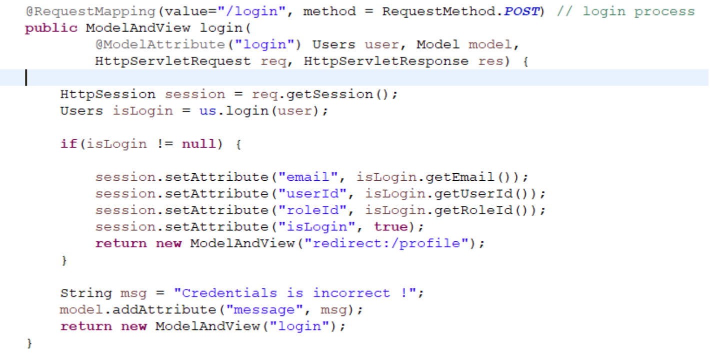
This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

After a user has verified their registration on the website and moved on to the login page, the system stores their data in a database. Using



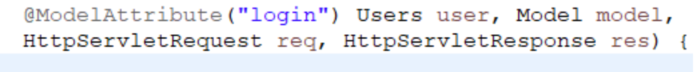
```
@RequestMapping(value="/login", method = RequestMethod.GET)
public ModelAndView login(HttpSession session) throws Exception {
    return new ModelAndView("login");
}
```

A request mapping value of "/login" is used in the first method, which is a GET method. This function returns a new ModelAndView object with the view name "login" and accepts a HttpSession object as an argument. The login form is probably displayed using this technique.



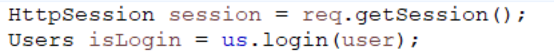
```
@RequestMapping(value="/login", method = RequestMethod.POST) // login process
public ModelAndView login(
        @ModelAttribute("login") Users user, Model model,
        HttpServletRequest req, HttpServletResponse res) {

    HttpSession session = req.getSession();
    Users isLogin = us.login(user);

    if(isLogin != null) {

        session.setAttribute("email", isLogin.getEmail());
        session.setAttribute("userId", isLogin.getUserId());
        session.setAttribute("roleId", isLogin.getRoleId());
        session.setAttribute("isLogin", true);
        return new ModelAndView("redirect:/profile");
    }

    String msg = "Credentials is incorrect !";
    model.addAttribute("message", msg);
    return new ModelAndView("login");
}
```

The second technique is a POST technique using "/login" as the request mapping value. This method accepts a number of arguments, one of which is a Users object marked with the annotation "@ModelAttribute". This indicates that the function anticipates the request to include form data that may be used to construct a new Users object. A Model object, which may be used to add attributes to the view, as well as HttpServletRequest and HttpServletResponse objects, which are used to handle the request and response, respectively, are also passed into the method.



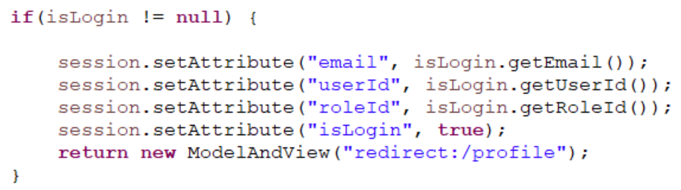
```
@ModelAttribute("login") Users user, Model model,
HttpServletRequest req, HttpServletResponse res) {
```

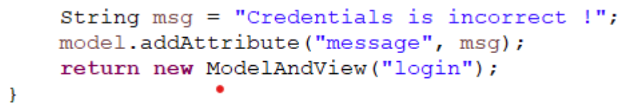
Using the HttpServletRequest object, the method first obtains the current session object. This is done in order to keep track of the session's current user's information.



```
HttpSession session = req.getSession();
Users isLogin = us.login(user);
```

The method then invokes the "login" method on the "us" service object for Users and inputs the Users object generated from the form data. Based on the user's email address and password, this approach is probably used to verify their identity.


`if(isLogin != null) {`
`session.setAttribute("email", isLogin.getEmail());`
`session.setAttribute("userId", isLogin.getUserId());`
`session.setAttribute("roleId", isLogin.getRoleId());`
`session.setAttribute("isLogin", true);`
`return new ModelAndView("redirect:/profile");`
`}`
	The method adds various attributes to the session object, including the user's email, userId, roleId, and a boolean value indicating that the user is logged in, if the login is successful (the "isLogin" object is not null). A new ModelAndView object with the view name "redirect:/profile" is then returned by the procedure. The visitor will then be redirected to the dashboard profile page.


`String msg = "Credentials is incorrect !";`
`model.addAttribute("message", msg);`
`return new ModelAndView("login");`
`}`
	if the login is not successful then this message will be displayed and if the login is successful, it will be redirected to the profile page

2. System

a. List down all the modules to be developed

Private Module - Administrator - Manage user Data and Bulk Emailing.

Public Module - Software Programmers –

A. Registration

B. Login

C. Forgot Password

D. Search and Search Result

E. Update Profile

b. List down all the pages in each of the modules and briefly describe the purpose

The answer is on C

c. Note down which are Create, Edit & View pages.

Insert - Create Page for users to register and data are inserted into database

Select - View Page for the users can view the others profile page

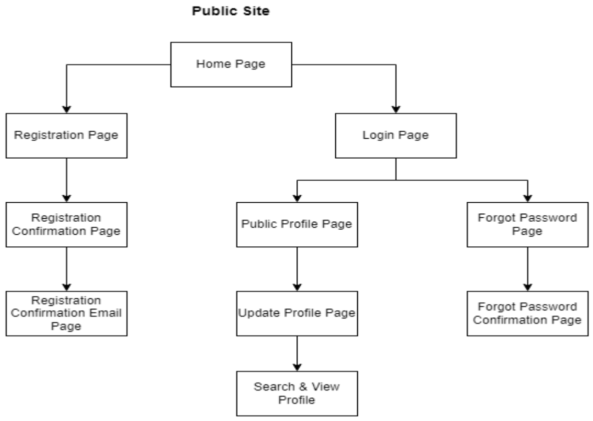
Update - Update Page for the user to edit and update their profile page

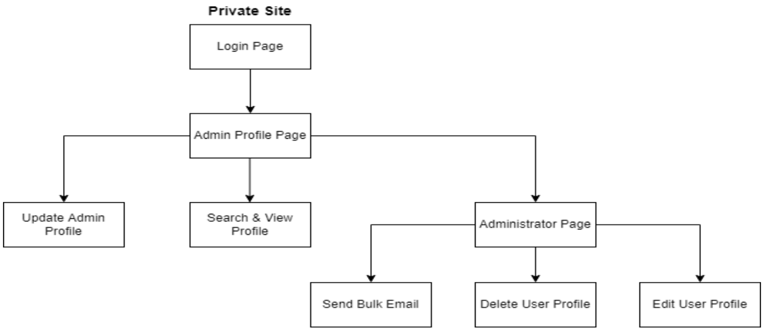
<you may answer this way>

Pages (.jsp)	Brief description.	Operations.
Header3	Navbar, ABC Logo, button dashboard, profile, search, and logout	View
Index	Landing page	View
Registration	New users can create a new account in the portal	Insert
Thankyou	Appreciate new user	View
Login	Users can enter the portal by logging in with a registered username and password	Select
Forgotpass	Verifies the user registered email before the password can be changed	Select
Resetpass	Allows users to change password to new password	Update
Dashboard	Show the content	View
Profile	Show user profile and data after successfully logging in	View and Update
Search	Users can search for other programmers	View and Select

Result	See a list of search results viewing other profiles	View and Select
Footer3	Copyright, company name	View
Admin	Logo ABC, button Dashboard, Search and Logout	View
Admin/index	A simple page for the admin to select options for managing users	View
Alluser	View all the users and can view details, delete	View, Select, Update
Send-bulk	Send bulk email to user	Select

d. Create the Sitemap of Public & Private Site





3. Technical Environment Requirements

Hardware Requirements

Database server	– MySQL server
Firewall settings	- Port 8080 -- Http
	- Port 3306 – Database

Software Requirements

Development environment-	JDK 18.0.2
Framework	Spring framework 5.2.10
Database server-	MySQL Server 8.0.31

4. System Integration Requirements

JDBC - JDBC -My SQL Connector 8.0.31

5. Portability Requirements

Multi OS-	Windows, Linux, and Mac
Multiple Browsers -	Chrome, Microsoft Edge, Mozila Firefox
Multiple Devices -	Desktop, Tablet, Mobile

6. Maintainability Requirements

- Backup the database for every 6 hours.
- Vulnerability check – periodical scanning.

7. Performance Requirements

Each request should be processed with 10 seconds.

Concurrent number of users- 100

Loading time – secs

8. Security Requirements

a. List down the Security Access for the different kind of users

Pages	Access based on User Role	
	Software Programmer	Administrator
ABCjobs portal home page	View	View
Registration page	View/Create	View/Create
Thankyou page	View	View
Verified email page	View	View
Login page	View/Login	View/Login
Forgot Password page	View	View
Forgot password confirmation page	View/Edit	View/Edit
Public Profile page	View	View
Update profile page	View/Edit	View/Edit
Bulk Email	N/A	View/Edit
Administration page	N/A	View

Functions	Access based on User Role	
	Software Programmer	Administrator
Register	Yes	Yes

Login	Yes	Yes
Change password	Yes	Yes
Update profile	Yes	Yes
Search others	Yes	Yes
View other user profiles	Yes	Yes
Update other user profiles	No	Yes
Delete other user profiles	No	Yes
Send bulk email	No	Yes

b. **Briefly explain Login & Logout mechanism**

A registered user will input a special ID to verify their identity as a key when they check in to the website using their username and password. The data that was initially saved in the database server is compared to the key or login credentials. The user is granted access to or authenticated to their user profile or home page if the credentials match the data stored there (Website Authentication: The Complete Guide with FAQs, 2020).

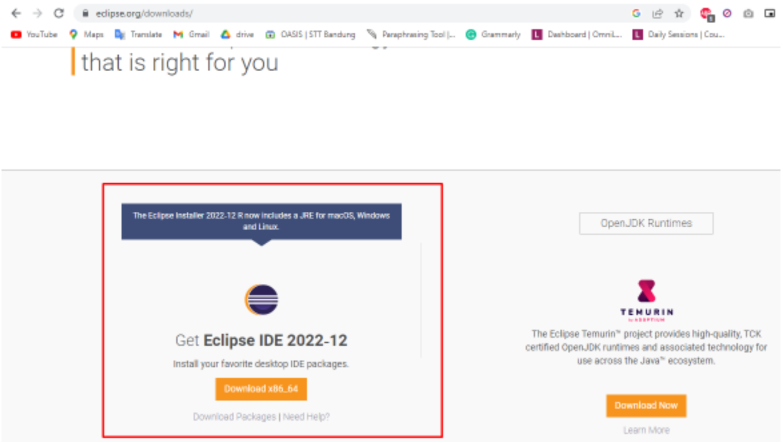
When a user clicks the logout button, which sends them to the login page, they are logged out. The website can also log out on its own if a user abandons a page for an extended period of time when the session has been idle. Logging

Task 2

Task Statement:

1. **Install Eclipse on your laptop**
   a. Download eclipse on eclipse.org/downloads/
   b. Open the download folder and double-click on the eclipse installer.
   c. Choose the second option because we want to develop Web Development.
   d. Last Thing is to click on install and wait for several moments. After that, you can run it on your desktop.

2. **Provide Screen capture of eclipse IDE**



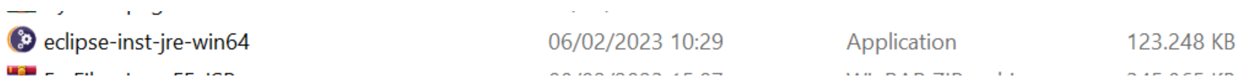
that is right for you

The Eclipse Installer 2022-12 R now includes a JRE for macOS, Windows and Linux.

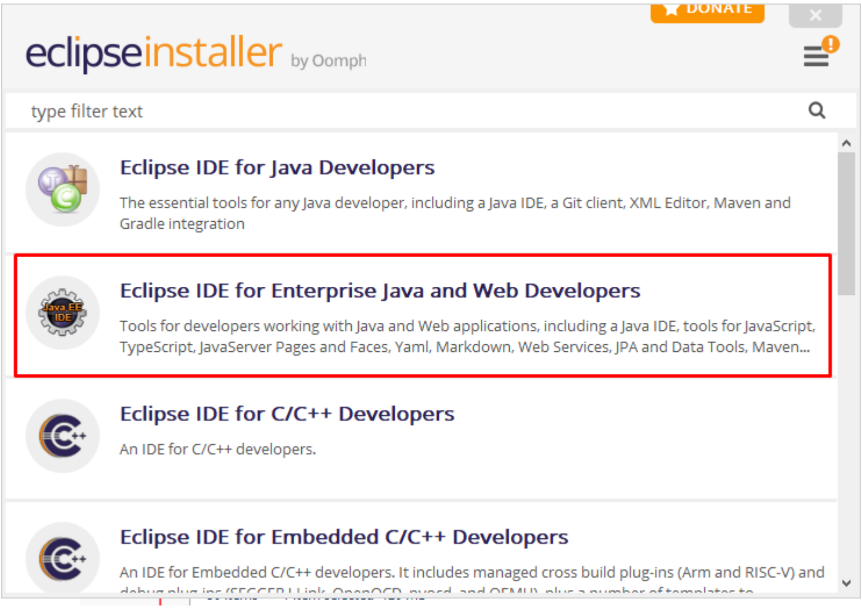
Get **Eclipse IDE 2022-12**

Install your favorite desktop IDE packages.

The Eclipse Temurin™ project provides high-quality, TCK certified OpenJDK runtimes and associated technology for use across the Java™ ecosystem.



eclipse-inst-jre-win64 06/02/2023 10:29 Application 123.248 KB



Eclipse IDE for Java Developers

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration

Eclipse IDE for Enterprise Java and Web Developers

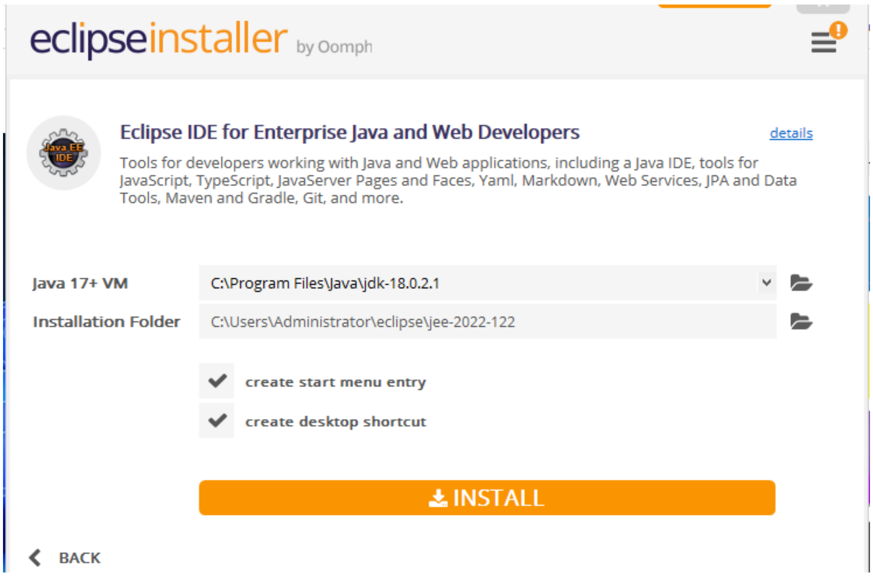
Tools for developers working with Java and Web applications, including a Java IDE, tools for JavaScript, TypeScript, JavaServer Pages and Faces, Yaml, Markdown, Web Services, JPA and Data Tools, Maven...

Eclipse IDE for C/C++ Developers

An IDE for C/C++ developers.

Eclipse IDE for Embedded C/C++ Developers

An IDE for Embedded C/C++ developers. It includes managed cross build plug-ins (Arm and RISC-V) and debug plug-ins (SEGGER J-Link, OpenOCD, pyocd, and QEMU), plus a number of templates to



Eclipse IDE for Enterprise Java and Web Developers

Tools for developers working with Java and Web applications, including a Java IDE, tools for JavaScript, TypeScript, JavaServer Pages and Faces, Yaml, Markdown, Web Services, JPA and Data Tools, Maven and Gradle, Git, and more.

Java 17+ VM: C:\Program Files\Java\jdk-18.0.2.1

Installation Folder: C:\Users\Administrator\eclipse\jee-2022-122

✓ create start menu entry

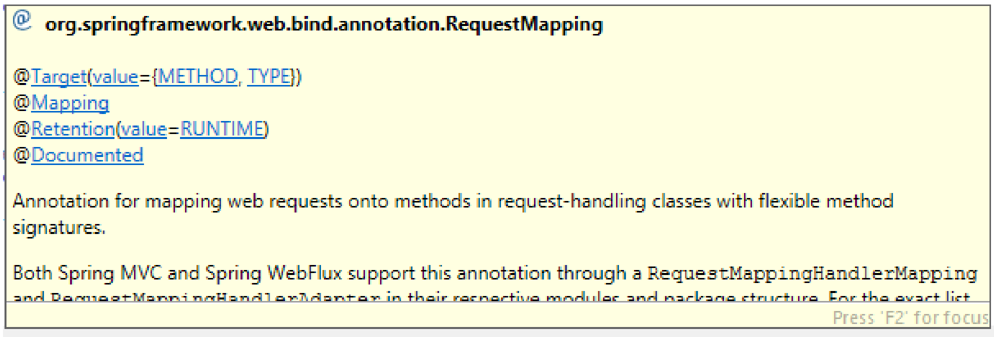
✓ create desktop shortcut

5. Task 3

Task Statement:

1. **Provide description of 3 features in IDE along with the screen capture of their use. Three IDE features are**

   a. Give Us Information when we point the cursor into a code that we dont understand



org.springframework.web.bind.annotation.RequestMapping

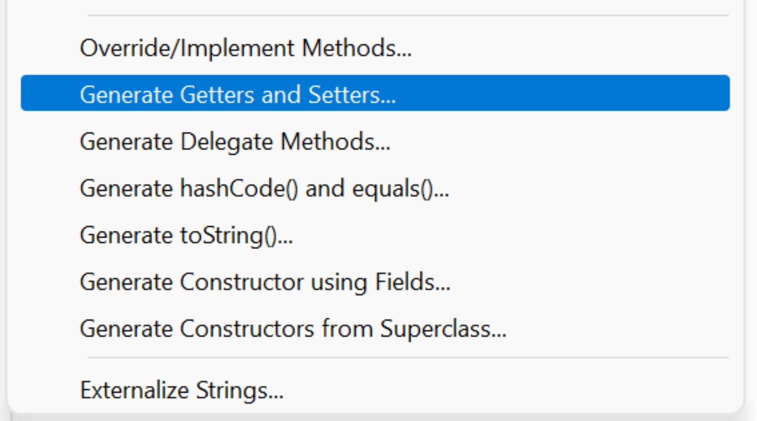
@Target(value={METHOD, TYPE})
@Mapping
@Retention(value=RUNTIME)
@Documented

Annotation for mapping web requests onto methods in request-handling classes with flexible method signatures.

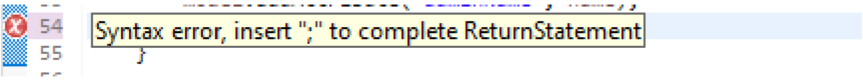
Both Spring MVC and Spring WebFlux support this annotation through a `RequestMappingHandlerMapping` and `RequestMappingHandlerAdapter` in their respective modules and package structure. For the exact list

Press 'F2' for focus

   b. Has automatic Source Generator


Override/Implement Methods...
Generate Getters and Setters...
Generate Delegate Methods...
Generate hashCode() and equals()...
Generate toString()...
Generate Constructor using Fields...
Generate Constructors from Superclass...
Externalize Strings...

   a. Can fix the error by following the suggestion



Syntax error, insert ";" to complete ReturnStatement

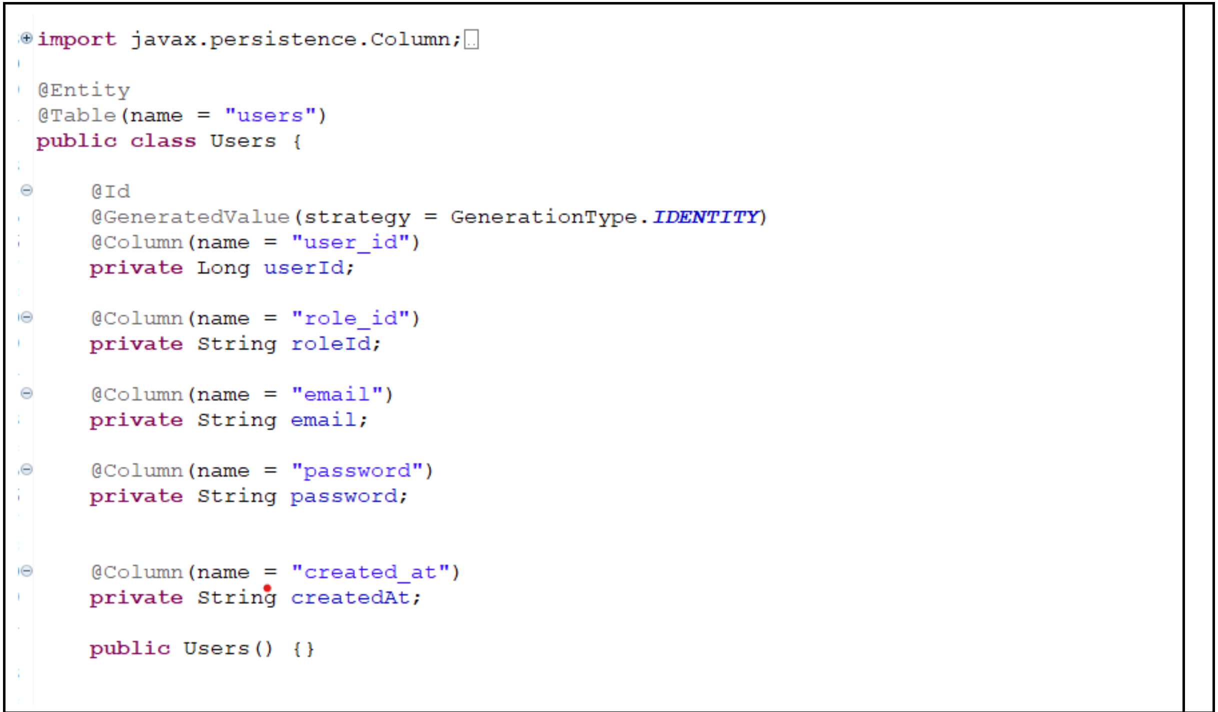
2. **Include it as part of Project Presentation**

6. Task 4

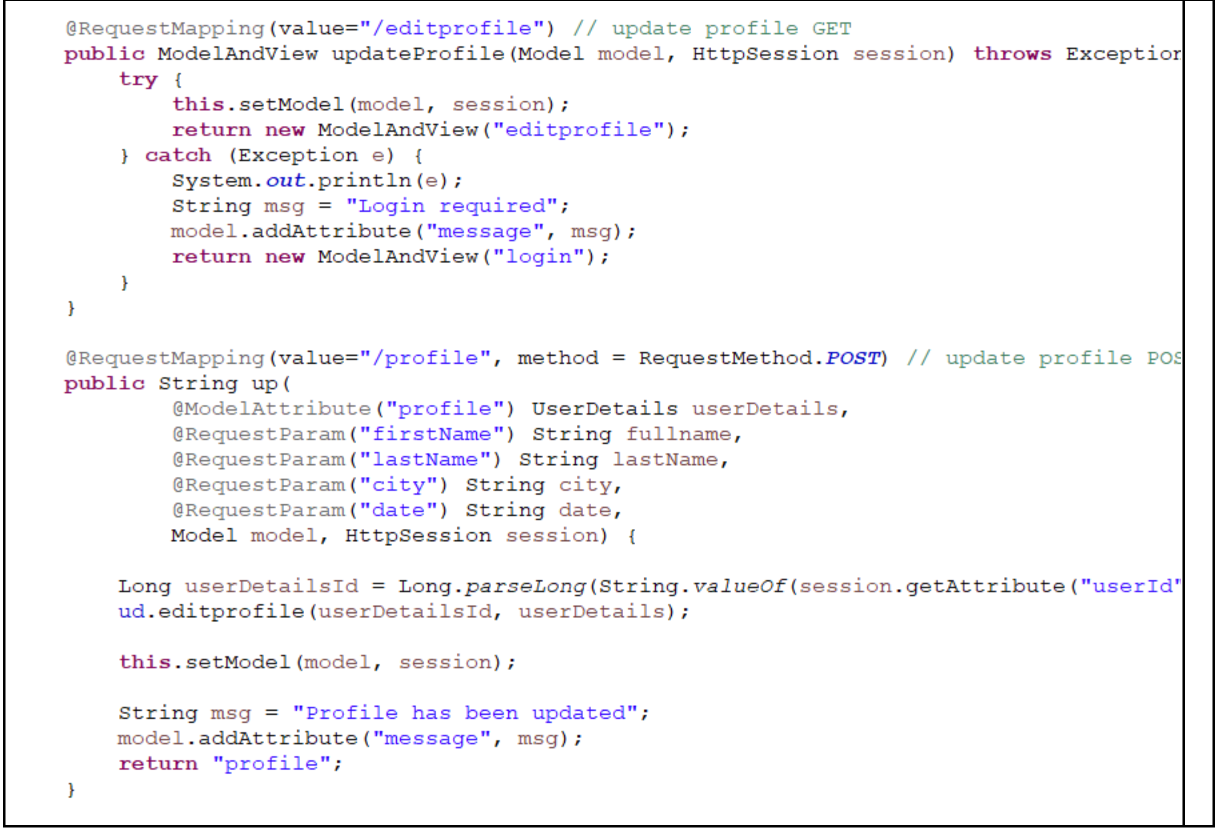
Task Statement

Create the following items in **"Coding & Documentation Standards"** Section in **Project Report**

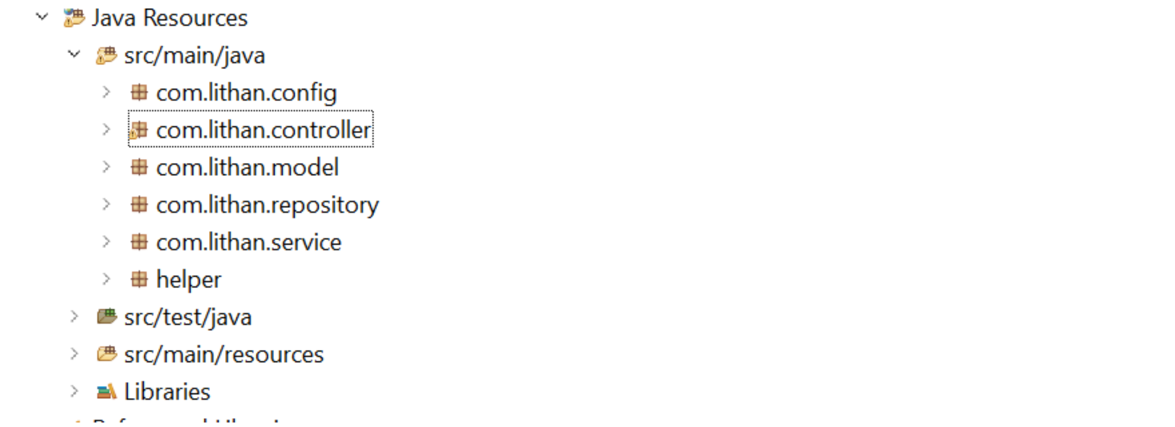
1. List 5 Coding Standards & Conventions to be used and explain shortly.



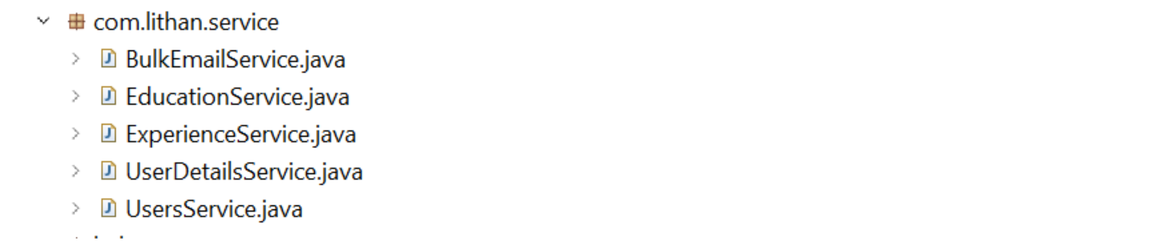
```
import javax.persistence.Column;

@Entity
@Table(name = "users")
public class Users {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    @Column(name = "user_id")
    private Long userId;

    @Column(name = "role_id")
    private String roleId;

    @Column(name = "email")
    private String email;

    @Column(name = "password")
    private String password;


    @Column(name = "created_at")
    private String createdAt;

    public Users() {}
```



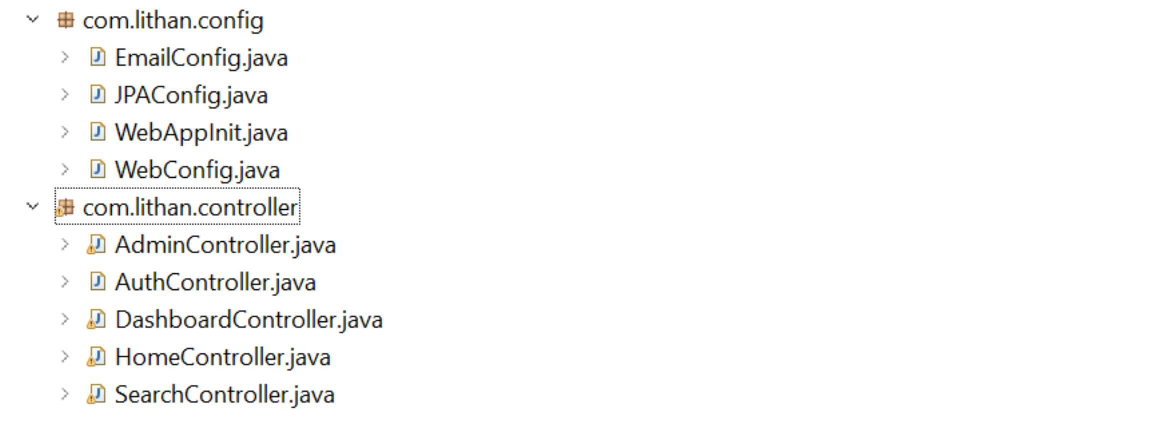
```
@RequestMapping(value="/editprofile") // update profile GET
public ModelAndView updateProfile(Model model, HttpSession session) throws Exceptio
    try {
        this.setModel(model, session);
        return new ModelAndView("editprofile");
    } catch (Exception e) {
        System.out.println(e);
        String msg = "Login required";
        model.addAttribute("message", msg);
        return new ModelAndView("login");
    }
}

@RequestMapping(value="/profile", method = RequestMethod.POST) // update profile POS
public String up(
        @ModelAttribute("profile") UserDetails userDetails,
        @RequestParam("firstName") String fullname,
        @RequestParam("lastName") String lastName,
        @RequestParam("city") String city,
        @RequestParam("date") String date,
        Model model, HttpSession session) {

    Long userDetailsId = Long.parseLong(String.valueOf(session.getAttribute("userId"
    ud.editprofile(userDetailsId, userDetails);

    this.setModel(model, session);

    String msg = "Profile has been updated";
    model.addAttribute("message", msg);
    return "profile";
}
```



```
Java Resources
  src/main/java
    com.lithan.config
    com.lithan.controller
    com.lithan.model
    com.lithan.repository
    com.lithan.service
    helper
  src/test/java
  src/main/resources
  Libraries
```

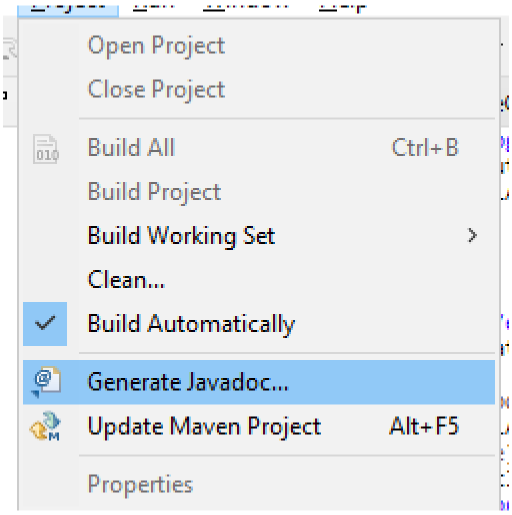


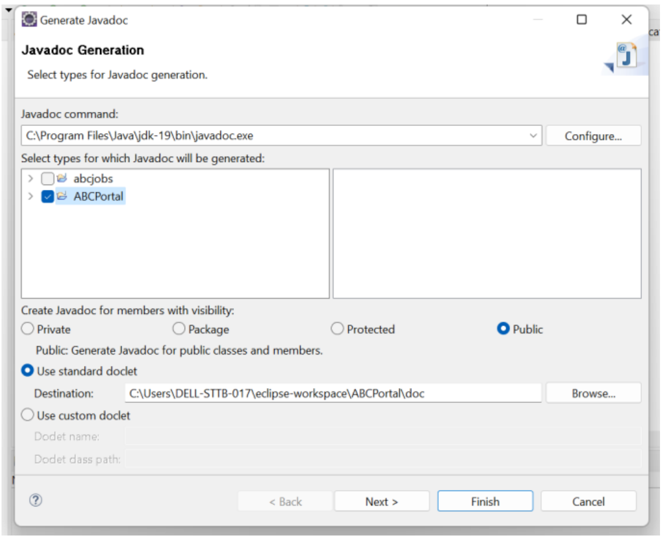
```
com.lithan.service
  BulkEmailService.java
  EducationService.java
  ExperienceService.java
  UserDetailsService.java
  UsersService.java
```



```
com.lithan.config
  EmailConfig.java
  JPAConfig.java
  WebAppInit.java
  WebConfig.java
com.lithan.controller
  AdminController.java
  AuthController.java
  DashboardController.java
  HomeController.java
  SearchController.java
```

2. Describe briefly documentation tool, you will be using and its configuration.





Generate Javadoc

Javadoc Generation

Select types for Javadoc generation.

Javadoc command: C:\Program Files\Java\jdk-19\bin\javadoc.exe

Select types for which Javadoc will be generated:

- □ abcjobs
- ☑ ABCPortal

Create Javadoc for members with visibility: ○ Private ○ Package ○ Protected ● Public

Public: Generate Javadoc for public classes and members.

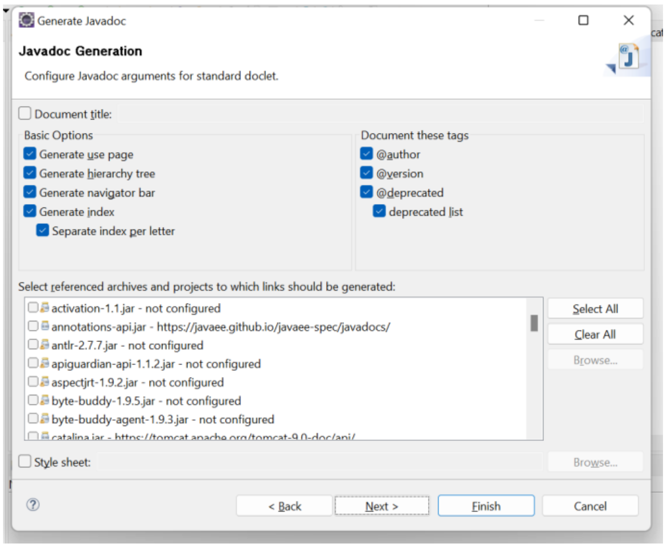
● Use standard doclet

Destination: C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc

○ Use custom doclet

Doclet name:

Doclet class path:



Generate Javadoc

Javadoc Generation

Configure Javadoc arguments for standard doclet.

□ Document title:

Basic Options

- ☑ Generate use page
- ☑ Generate hierarchy tree
- ☑ Generate navigator bar
- ☑ Generate index
- ☑ Separate index per letter

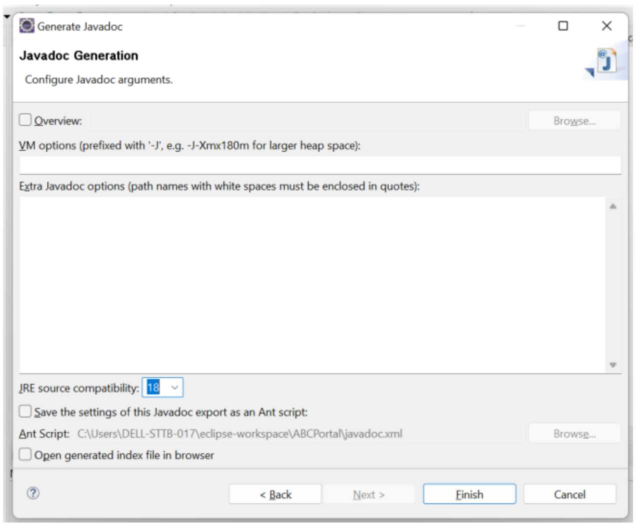
Document these tags

- ☑ @author
- ☑ @version
- ☑ @deprecated
- ☑ deprecated list

Select referenced archives and projects to which links should be generated:

- □ activation-1.1.jar - not configured
- □ annotations-api.jar - https://javaee.github.io/javaee-spec/javadocs/
- □ antlr-2.7.7.jar - not configured
- □ apiguardian-api-1.1.2.jar - not configured
- □ aspectjrt-1.9.2.jar - not configured
- □ byte-buddy-1.9.5.jar - not configured
- □ byte-buddy-agent-1.9.3.jar - not configured
- □ catalina.jar - https://tomcat.apache.org/tomcat-9.0-doc/api/

□ Style sheet:



Generate Javadoc

Javadoc Generation

Configure Javadoc arguments.

□ Overview:

VM options (prefixed with '-J', e.g. -J-Xmx180m for larger heap space):

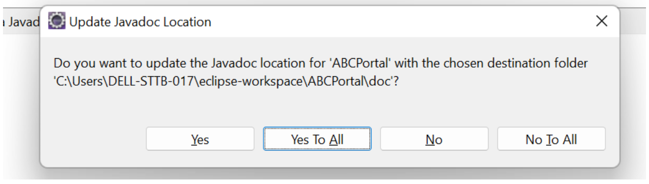
Extra Javadoc options (path names with white spaces must be enclosed in quotes):

JRE source compatibility: 18

□ Save the settings of this Javadoc export as an Ant script:

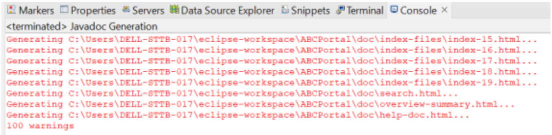
Ant Script: C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\javadoc.xml

□ Open generated index file in browser

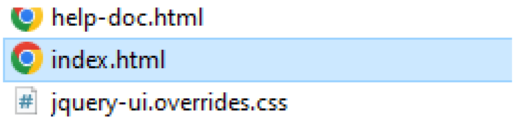


Update Javadoc Location

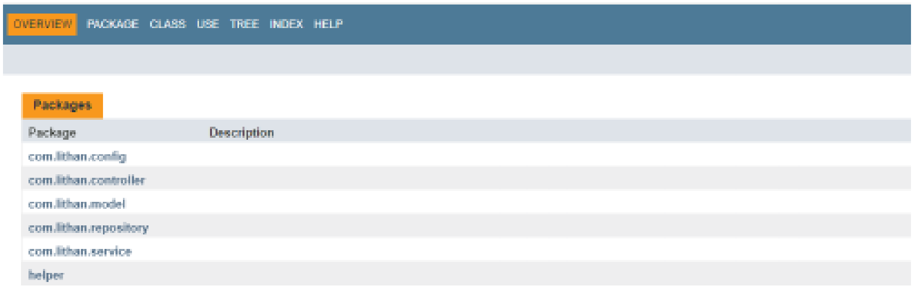
Do you want to update the Javadoc location for 'ABCPortal' with the chosen destination folder 'C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc'?



```
<terminated> Javadoc Generation
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\index-files\index-15.html...
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\index-files\index-16.html...
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\index-files\index-17.html...
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\index-files\index-18.html...
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\index-files\index-19.html...
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\search.html...
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\overview-summary.html...
Generating C:\Users\DELL-STTB-017\eclipse-workspace\ABCPortal\doc\help-doc.html...
100 warnings
```



help-doc.html
index.html
jquery-ui.overrides.css



Packages

Package	Description
com.lithan.config	
com.lithan.controller	
com.lithan.model	
com.lithan.repository	
com.lithan.service	
helper	

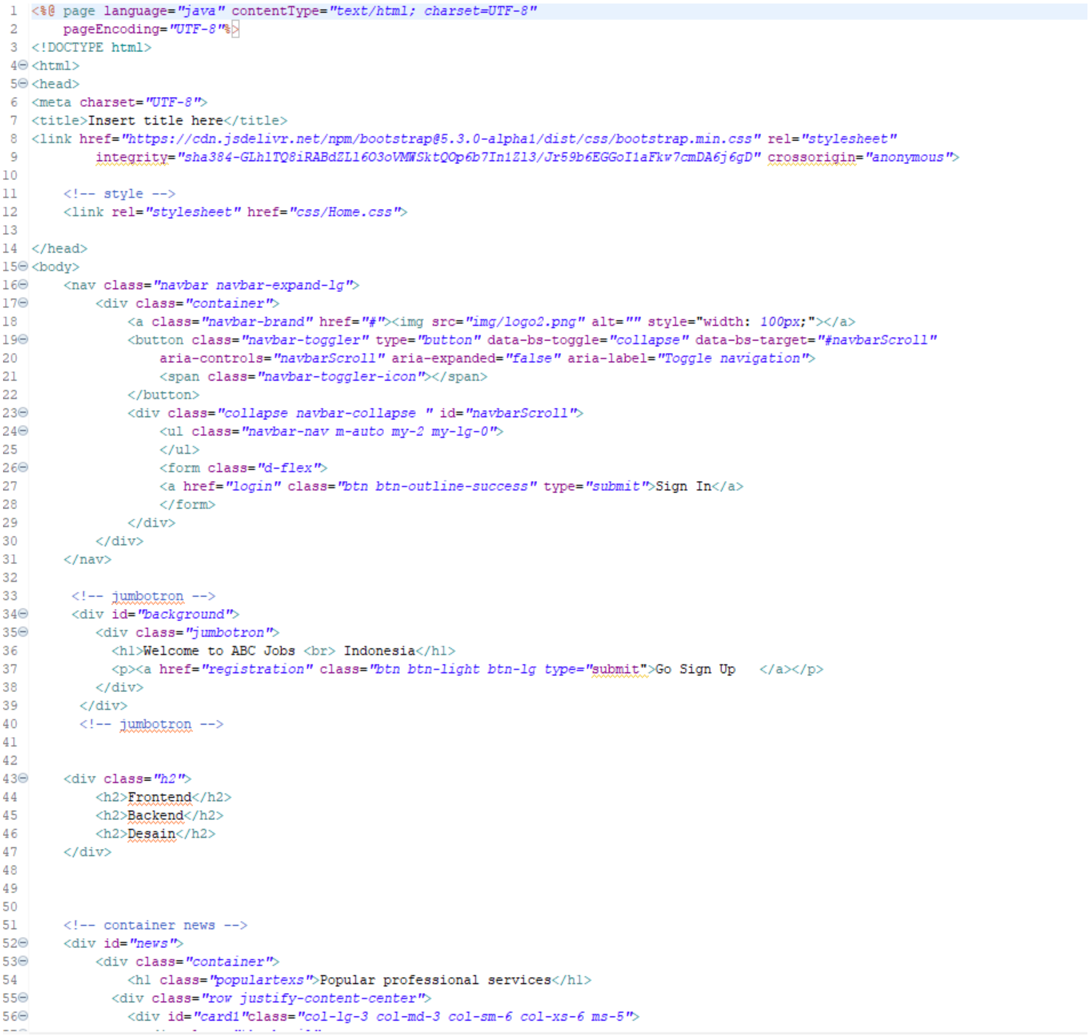
7. Task 5(views)

Task Statement

1. Develop the following pages in HTML (Developed in Module 3) (source code)(no java page)

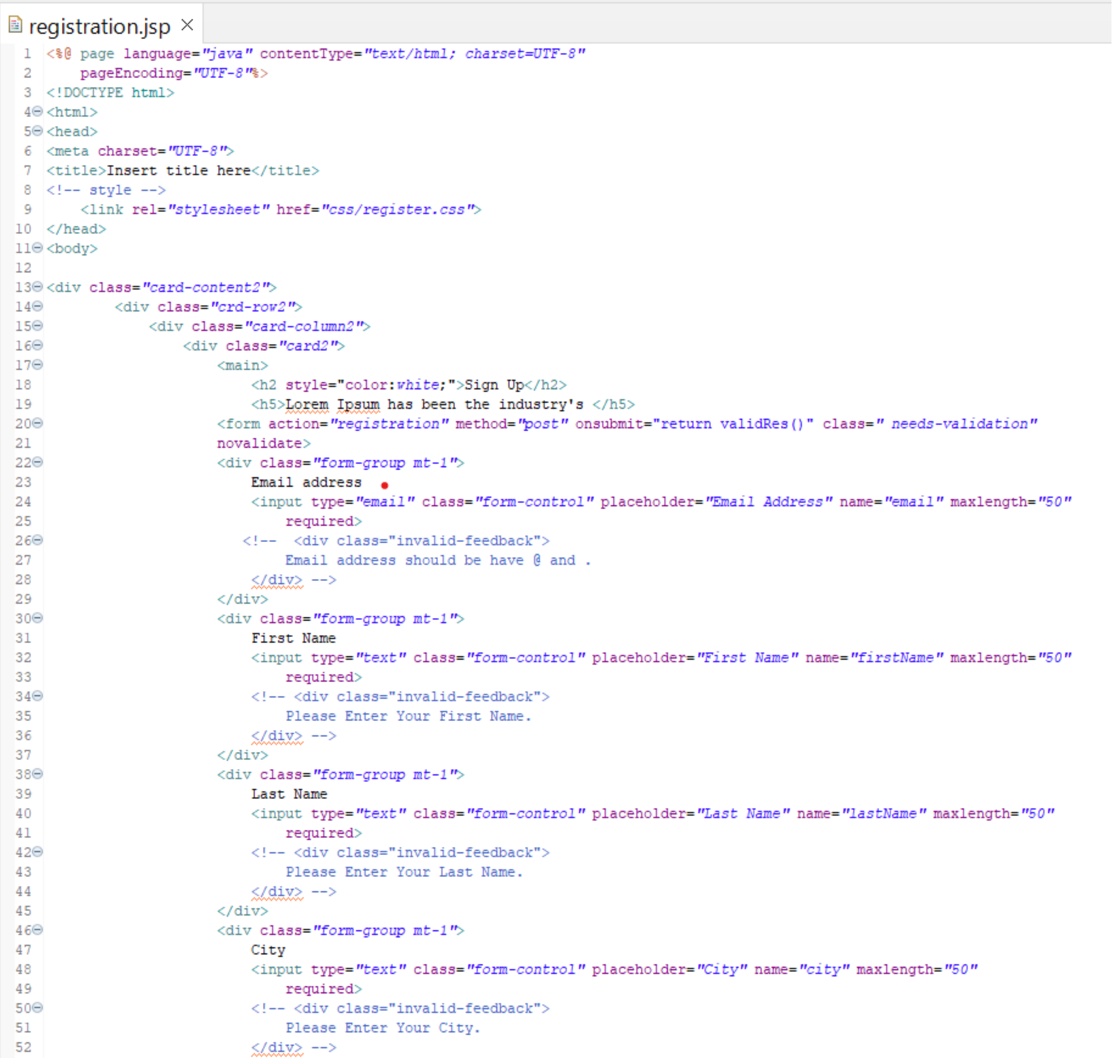
<<Source code>>

a. Home Page

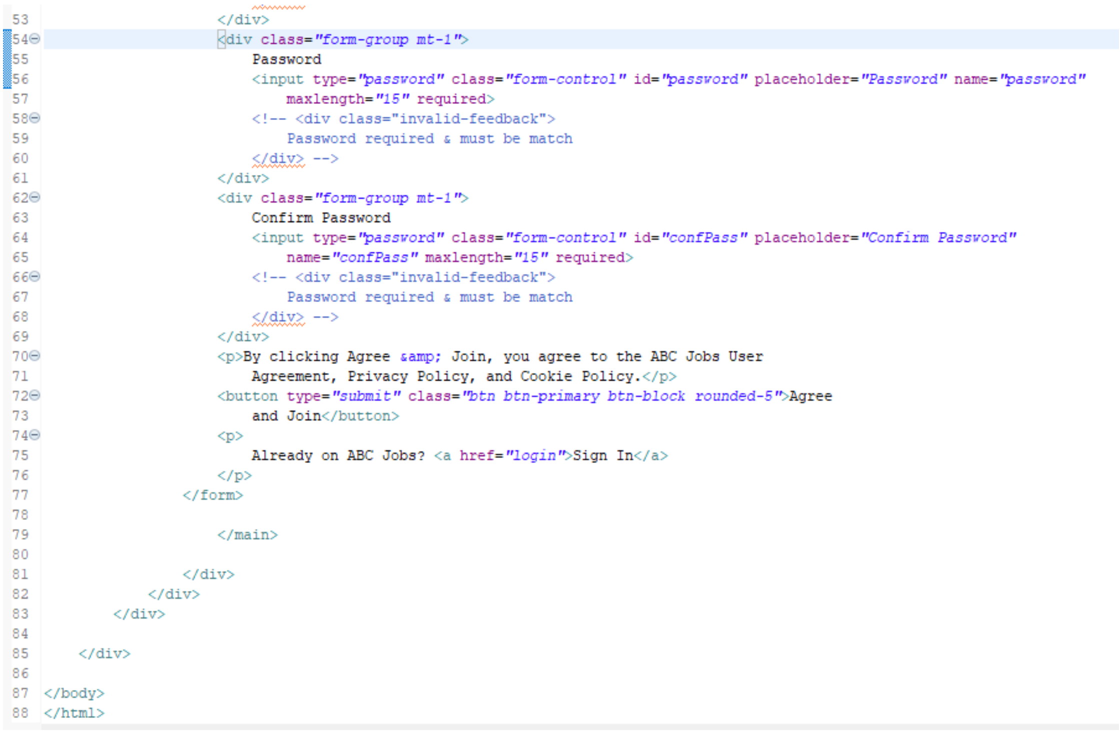


```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">

    <!-- style -->
    <link rel="stylesheet" href="css/Home.css">

</head>
<body>
    <nav class="navbar navbar-expand-lg">
        <div class="container">
            <a class="navbar-brand" href="#"><img src="img/logo2.png" alt="" style="width: 100px;"></a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarScroll"
                aria-controls="navbarScroll" aria-expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse " id="navbarScroll">
                <ul class="navbar-nav m-auto my-2 my-lg-0">
                </ul>
                <form class="d-flex">
                <a href="login" class="btn btn-outline-success" type="submit">Sign In</a>
                </form>
            </div>
        </div>
    </nav>

     <!-- jumbotron -->
     <div id="background">
        <div class="jumbotron">
          <h1>Welcome to ABC Jobs <br> Indonesia</h1>
          <p><a href="registration" class="btn btn-light btn-lg type="submit">Go Sign Up   </a></p>
        </div>
      </div>
      <!-- jumbotron -->


    <div class="h2">
        <h2>Frontend</h2>
        <h2>Backend</h2>
        <h2>Desain</h2>
    </div>



    <!-- container news -->
    <div id="news">
        <div class="container">
            <h1 class="populartexs">Popular professional services</h1>
          <div class="row justify-content-center">
            <div id="card1"class="col-lg-3 col-md-3 col-sm-6 col-xs-6 ms-5">
```

b. Registration Page

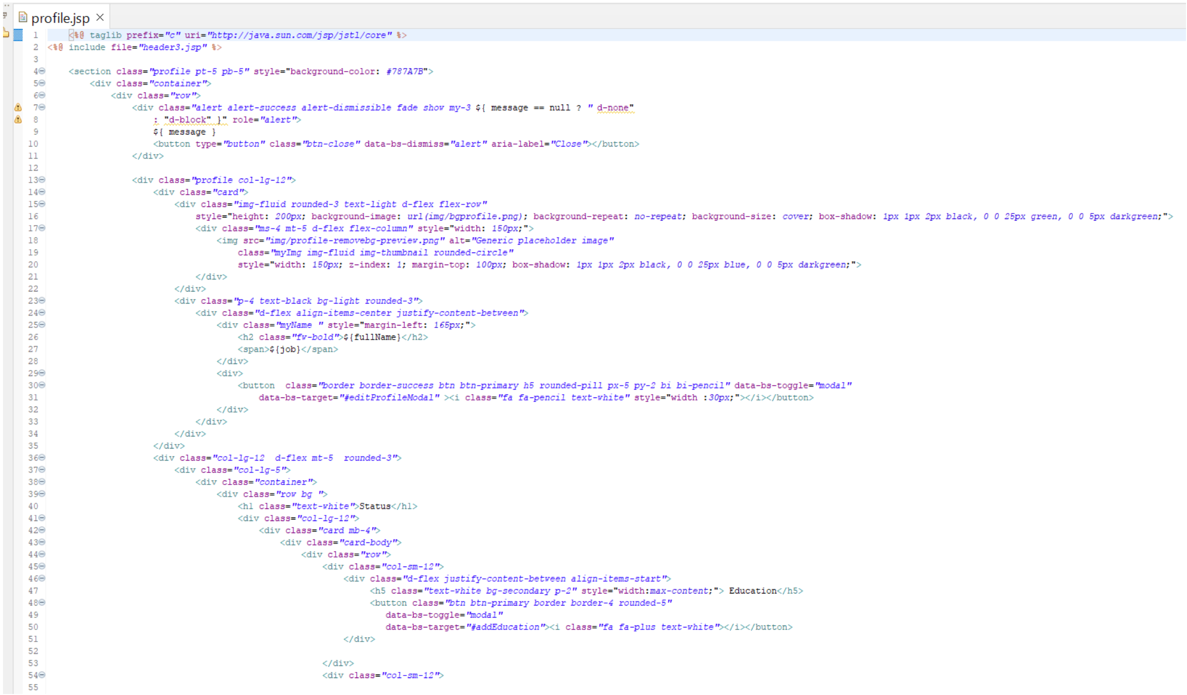


```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
<!-- style -->
    <link rel="stylesheet" href="css/register.css">
</head>
<body>

<div class="card-content2">
        <div class="crd-row2">
            <div class="card-column2">
                <div class="card2">
                    <main>
                        <h2 style="color:white;">Sign Up</h2>
                        <h5>Lorem Ipsum has been the industry's </h5>
                    <form action="registration" method="post" onsubmit="return validRes()" class=" needs-validation"
                    novalidate>
                    <div class="form-group mt-1">
                        Email address
                        <input type="email" class="form-control" placeholder="Email Address" name="email" maxlength="50"
                            required>
                       <!--  <div class="invalid-feedback">
                            Email address should be have @ and .
                        </div> -->
                    </div>
                    <div class="form-group mt-1">
                        First Name
                        <input type="text" class="form-control" placeholder="First Name" name="firstName" maxlength="50"
                            required>
                        <!-- <div class="invalid-feedback">
                            Please Enter Your First Name.
                        </div> -->
                    </div>
                    <div class="form-group mt-1">
                        Last Name
                        <input type="text" class="form-control" placeholder="Last Name" name="lastName" maxlength="50"
                            required>
                        <!-- <div class="invalid-feedback">
                            Please Enter Your Last Name.
                        </div> -->
                    </div>
                    <div class="form-group mt-1">
                        City
                        <input type="text" class="form-control" placeholder="City" name="city" maxlength="50"
                            required>
                        <!-- <div class="invalid-feedback">
                            Please Enter Your City.
                        </div> -->
```

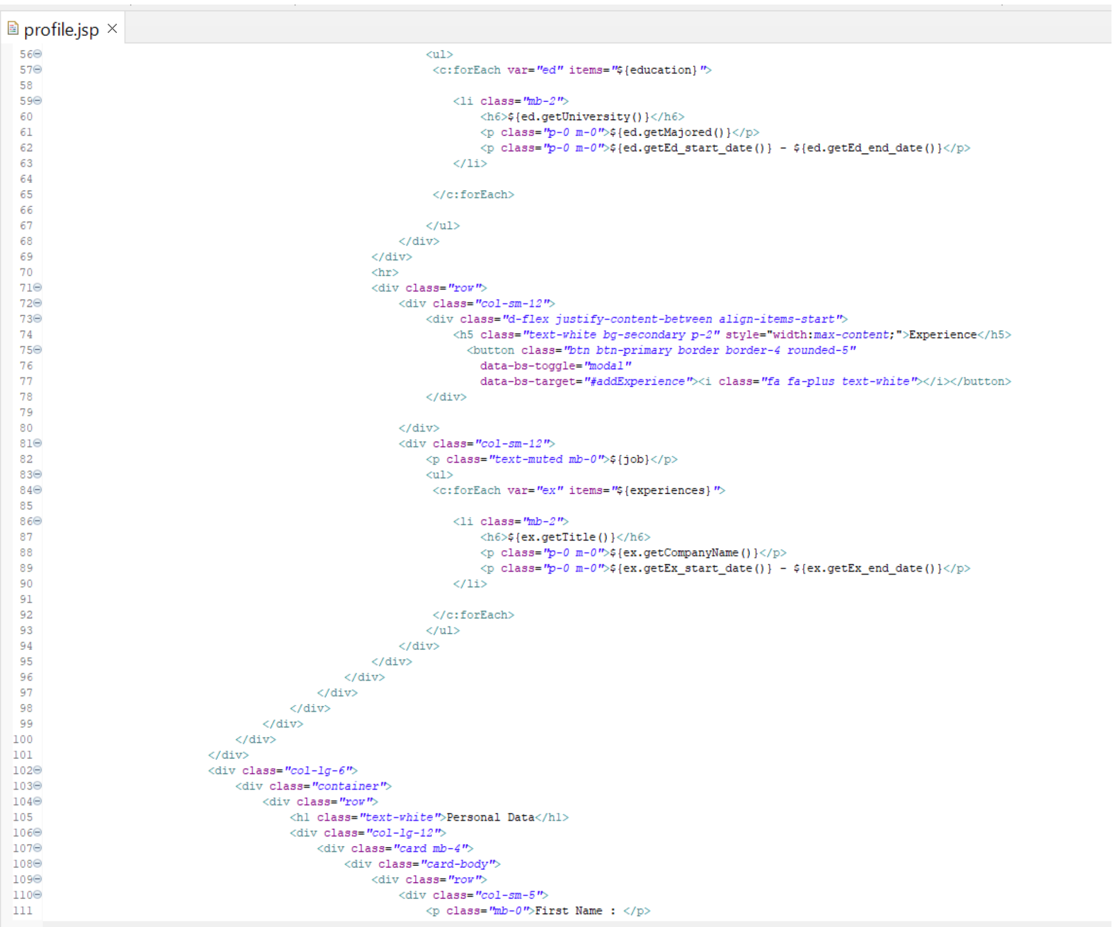


```
                    </div>
                    <div class="form-group mt-1">
                        Password
                        <input type="password" class="form-control" id="password" placeholder="Password" name="password"
                            maxlength="15" required>
                        <!-- <div class="invalid-feedback">
                            Password required & must be match
                        </div> -->
                    </div>
                    <div class="form-group mt-1">
                        Confirm Password
                        <input type="password" class="form-control" id="confPass" placeholder="Confirm Password"
                            name="confPass" maxlength="15" required>
                        <!-- <div class="invalid-feedback">
                            Password required & must be match
                        </div> -->
                    </div>
                    <p>By clicking Agree &amp; Join, you agree to the ABC Jobs User
                        Agreement, Privacy Policy, and Cookie Policy.</p>
                    <button type="submit" class="btn btn-primary btn-block rounded-5">Agree
                        and Join</button>
                    <p>
                        Already on ABC Jobs? <a href="login">Sign In</a>
                    </p>
                </form>

                    </main>

                </div>
            </div>
        </div>

    </div>

</body>
</html>
```

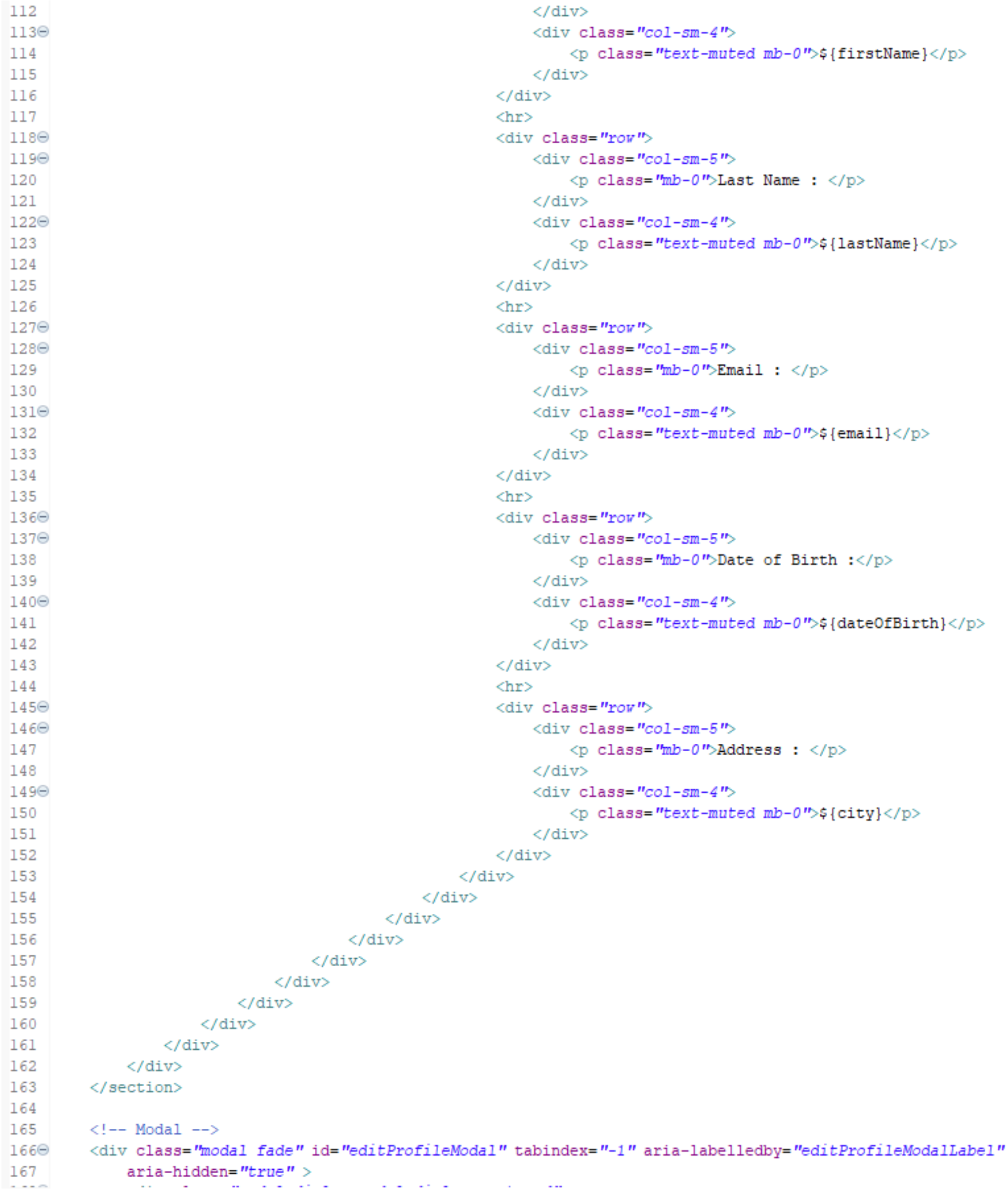
c. Profile Page



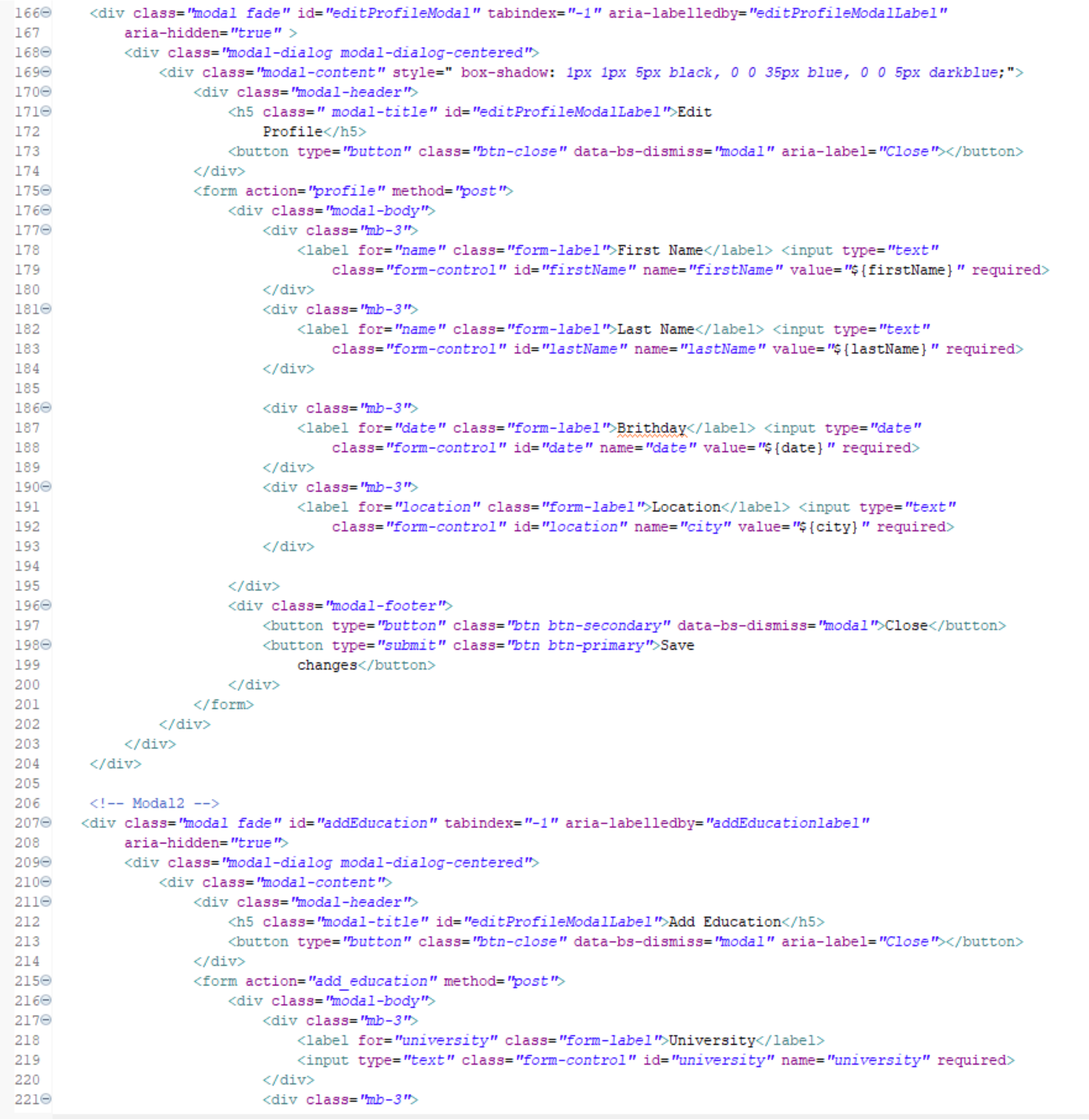
```
    <%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@ include file="header3.jsp" %>

    <section class="profile pt-5 pb-5" style="background-color: #787A7B">
        <div class="container">
            <div class="row">
                <div class="alert alert-success alert-dismissible fade show my-3 ${ message == null ? " d-none"
                    : "d-block" }" role="alert">
                    ${ message }
                    <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
                </div>

                <div class="profile col-lg-12">
                    <div class="card">
                        <div class="img-fluid rounded-3 text-light d-flex flex-row"
                            style="height: 200px; background-image: url(img/bgprofile.png); background-repeat: no-repeat; background-size: cover; box-shadow: 1px 1px 2px black, 0 0 25px green, 0 0 5px darkgreen;">
                            <div class="ms-4 mt-5 d-flex flex-column" style="width: 150px;">
                                <img src="img/profile-removebg-preview.png" alt="Generic placeholder image"
                                    class="myImg img-fluid img-thumbnail rounded-circle"
                                    style="width: 150px; z-index: 1; margin-top: 100px; box-shadow: 1px 1px 2px black, 0 0 25px blue, 0 0 5px darkgreen;">
                            </div>
                        </div>
                        <div class="p-4 text-black bg-light rounded-3">
                            <div class="d-flex align-items-center justify-content-between">
                                <div class="myName " style="margin-left: 165px;">
                                    <h2 class="fw-bold">${fullName}</h2>
                                    <span>${job}</span>
                                </div>
                                <div>
                                    <button  class="border border-success btn btn-primary h5 rounded-pill px-5 py-2 bi bi-pencil" data-bs-toggle="modal"
                                        data-bs-target="#editProfileModal" ><i class="fa fa-pencil text-white" style="width :30px;"></i></button>
                                </div>
                            </div>
                        </div>
                    </div>
                    <div class="col-lg-12  d-flex mt-5  rounded-3">
                        <div class="col-lg-5">
                            <div class="container">
                                <div class="row bg ">
                                    <h1 class="text-white">Status</h1>
                                    <div class="col-lg-12">
                                        <div class="card mb-4">
                                            <div class="card-body">
                                                <div class="row">
                                                    <div class="col-sm-12">
                                                        <div class="d-flex justify-content-between align-items-start">
                                                            <h5 class="text-white bg-secondary p-2" style="width:max-content;"> Education</h5>
                                                            <button class="btn btn-primary border border-4 rounded-5"
                                                                data-bs-toggle="modal"
                                                                data-bs-target="#addEducation"><i class="fa fa-plus text-white"></i></button>
                                                        </div>

                                                    </div>
                                                    <div class="col-sm-12">

```



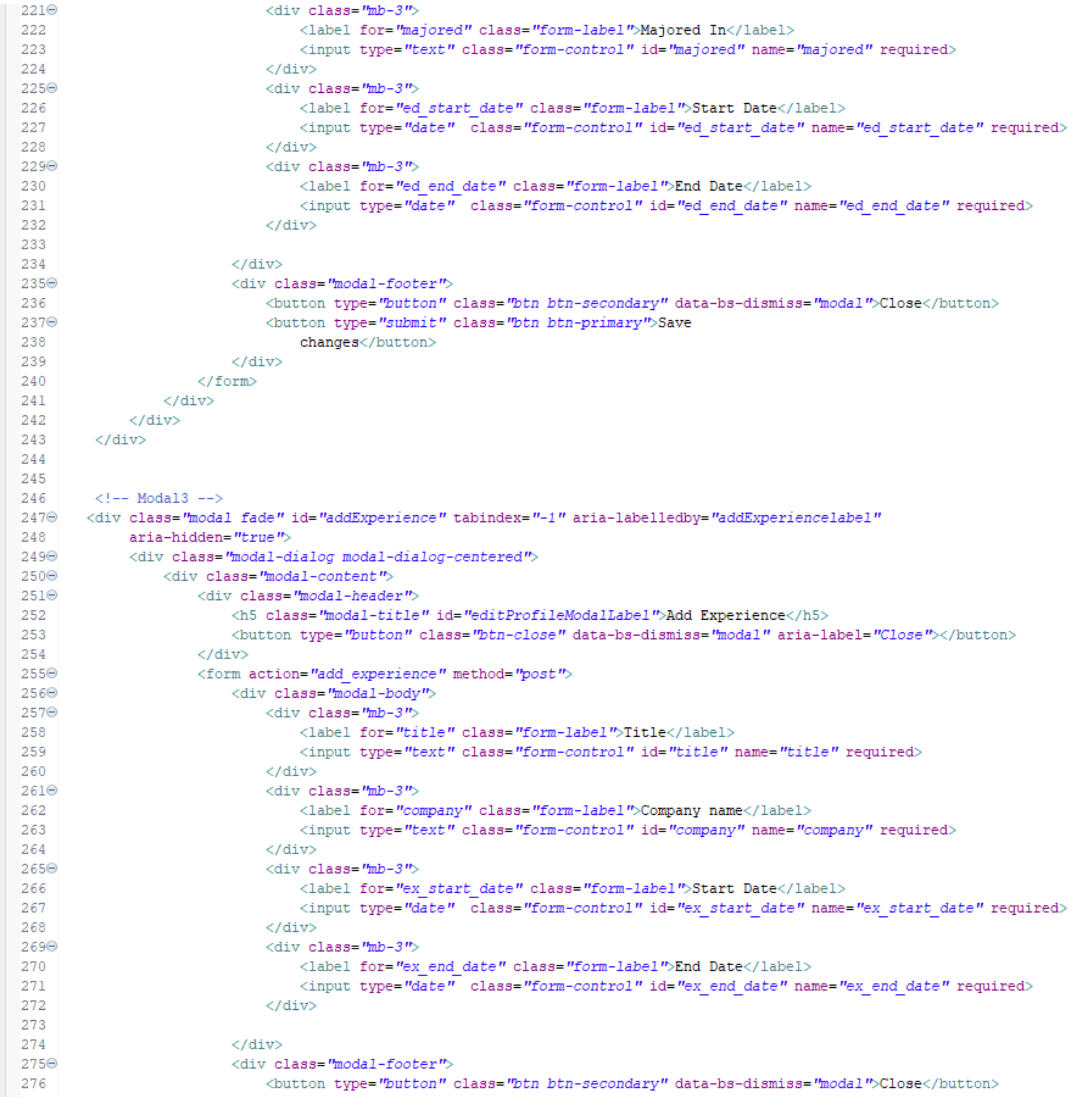
```
                                <ul>
                                 <c:forEach var="ed" items="${education}">

                                    <li class="mb-2">
                                        <h6>${ed.getUniversity()}</h6>
                                        <p class="p-0 m-0">${ed.getMajored()}</p>
                                        <p class="p-0 m-0">${ed.getEd_start_date()} - ${ed.getEd_end_date()}</p>
                                    </li>

                                 </c:forEach>

                                </ul>
                            </div>
                        </div>
                        <hr>
                        <div class="row">
                            <div class="col-sm-12">
                                <div class="d-flex justify-content-between align-items-start">
                                    <h5 class="text-white bg-secondary p-2" style="width:max-content;">Experience</h5>
                                      <button class="btn btn-primary border border-4 rounded-5"
                                        data-bs-toggle="modal"
                                        data-bs-target="#addExperience"><i class="fa fa-plus text-white"></i></button>
                                </div>

                            </div>
                            <div class="col-sm-12">
                                <p class="text-muted mb-0">${job}</p>
                                <ul>
                                 <c:forEach var="ex" items="${experiences}">

                                    <li class="mb-2">
                                        <h6>${ex.getTitle()}</h6>
                                        <p class="p-0 m-0">${ex.getCompanyName()}</p>
                                        <p class="p-0 m-0">${ex.getEx_start_date()} - ${ex.getEx_end_date()}</p>
                                    </li>

                                 </c:forEach>
                                </ul>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
<div class="col-lg-6">
    <div class="container">
        <div class="row">
            <h1 class="text-white">Personal Data</h1>
            <div class="col-lg-12">
                <div class="card mb-4">
                    <div class="card-body">
                        <div class="row">
                            <div class="col-sm-5">
                                <p class="mb-0">First Name : </p>
```



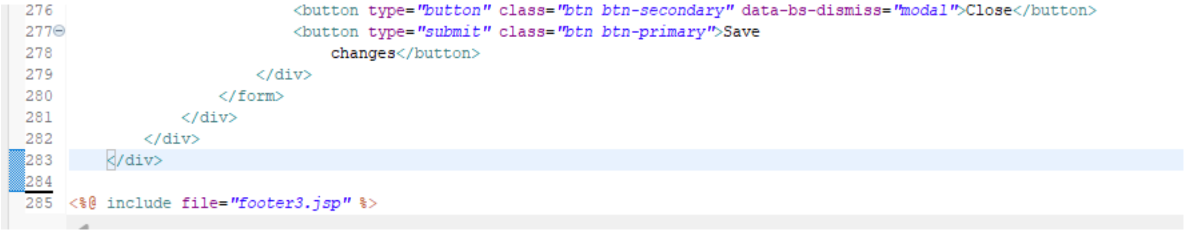
```
                                                </div>
                                                <div class="col-sm-4">
                                                    <p class="text-muted mb-0">${firstName}</p>
                                                </div>
                                            </div>
                                            <hr>
                                            <div class="row">
                                                <div class="col-sm-5">
                                                    <p class="mb-0">Last Name : </p>
                                                </div>
                                                <div class="col-sm-4">
                                                    <p class="text-muted mb-0">${lastName}</p>
                                                </div>
                                            </div>
                                            <hr>
                                            <div class="row">
                                                <div class="col-sm-5">
                                                    <p class="mb-0">Email : </p>
                                                </div>
                                                <div class="col-sm-4">
                                                    <p class="text-muted mb-0">${email}</p>
                                                </div>
                                            </div>
                                            <hr>
                                            <div class="row">
                                                <div class="col-sm-5">
                                                    <p class="mb-0">Date of Birth :</p>
                                                </div>
                                                <div class="col-sm-4">
                                                    <p class="text-muted mb-0">${dateOfBirth}</p>
                                                </div>
                                            </div>
                                            <hr>
                                            <div class="row">
                                                <div class="col-sm-5">
                                                    <p class="mb-0">Address : </p>
                                                </div>
                                                <div class="col-sm-4">
                                                    <p class="text-muted mb-0">${city}</p>
                                                </div>
                                            </div>
                                        </div>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section>

<!-- Modal -->
<div class="modal fade" id="editProfileModal" tabindex="-1" aria-labelledby="editProfileModalLabel"
    aria-hidden="true" >
```



```
 <div class="modal fade" id="editProfileModal" tabindex="-1" aria-labelledby="editProfileModalLabel"
     aria-hidden="true" >
     <div class="modal-dialog modal-dialog-centered">
         <div class="modal-content" style=" box-shadow: 1px 1px 5px black, 0 0 35px blue, 0 0 5px darkblue;">
             <div class="modal-header">
                 <h5 class=" modal-title" id="editProfileModalLabel">Edit
                     Profile</h5>
                 <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
             </div>
             <form action="profile" method="post">
                 <div class="modal-body">
                     <div class="mb-3">
                         <label for="name" class="form-label">First Name</label> <input type="text"
                             class="form-control" id="firstName" name="firstName" value="${firstName}" required>
                     </div>
                     <div class="mb-3">
                         <label for="name" class="form-label">Last Name</label> <input type="text"
                             class="form-control" id="lastName" name="lastName" value="${lastName}" required>
                     </div>

                     <div class="mb-3">
                         <label for="date" class="form-label">Brithday</label> <input type="date"
                             class="form-control" id="date" name="date" value="${date}" required>
                     </div>
                     <div class="mb-3">
                         <label for="location" class="form-label">Location</label> <input type="text"
                             class="form-control" id="location" name="city" value="${city}" required>
                     </div>

                 </div>
                 <div class="modal-footer">
                     <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
                     <button type="submit" class="btn btn-primary">Save
                         changes</button>
                 </div>
             </form>
         </div>
     </div>
 </div>

 <!-- Modal2 -->
<div class="modal fade" id="addEducation" tabindex="-1" aria-labelledby="addEducationlabel"
     aria-hidden="true">
     <div class="modal-dialog modal-dialog-centered">
         <div class="modal-content">
             <div class="modal-header">
                 <h5 class="modal-title" id="editProfileModalLabel">Add Education</h5>
                 <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
             </div>
             <form action="add_education" method="post">
                 <div class="modal-body">
                     <div class="mb-3">
                         <label for="university" class="form-label">University</label>
                         <input type="text" class="form-control" id="university" name="university" required>
                     </div>
                     <div class="mb-3">
```

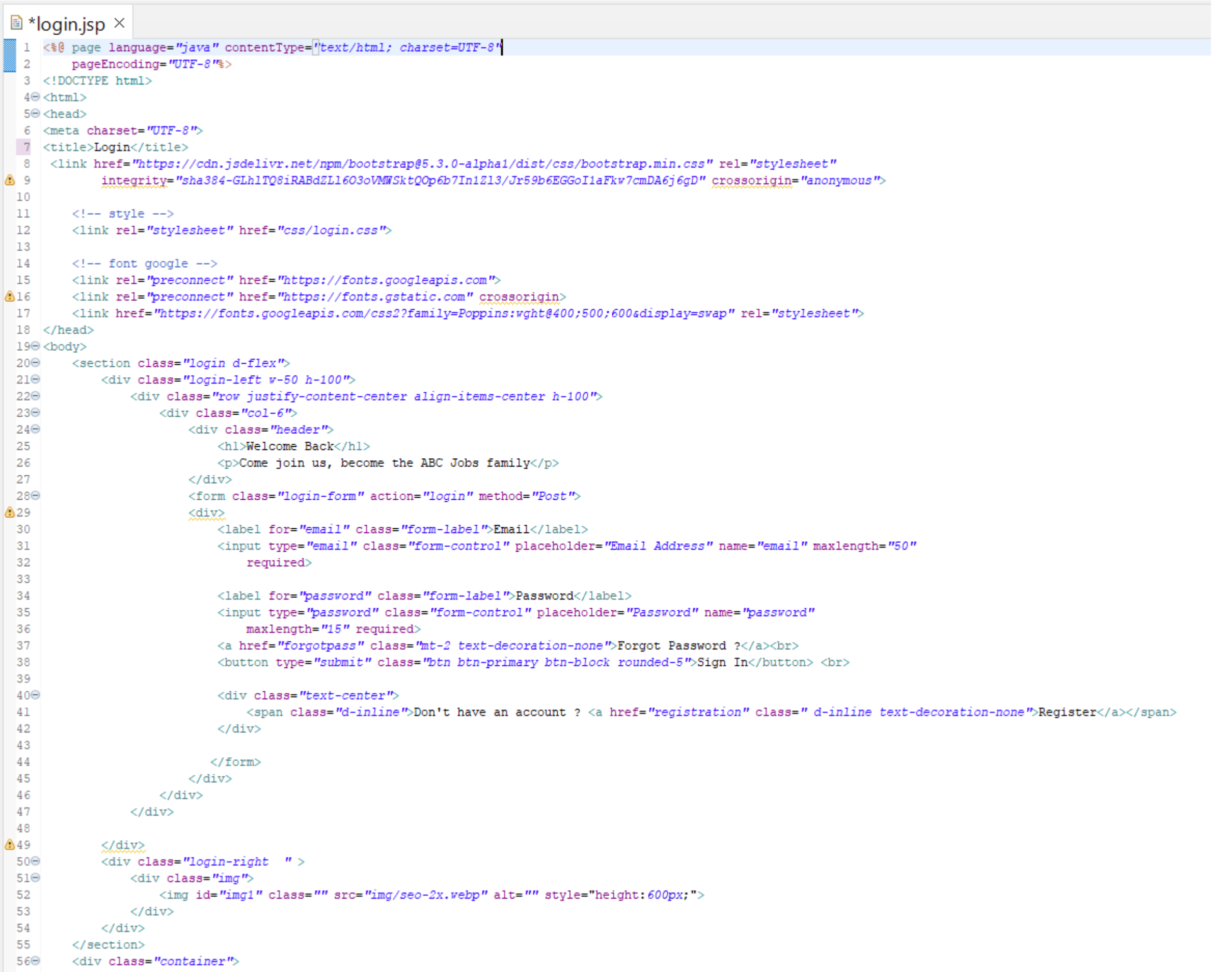


```
                        <div class="mb-3">
                            <label for="majored" class="form-label">Majored In</label>
                            <input type="text" class="form-control" id="majored" name="majored" required>
                        </div>
                        <div class="mb-3">
                            <label for="ed_start_date" class="form-label">Start Date</label>
                            <input type="date"  class="form-control" id="ed_start_date" name="ed_start_date" required>
                        </div>
                        <div class="mb-3">
                            <label for="ed_end_date" class="form-label">End Date</label>
                            <input type="date"  class="form-control" id="ed_end_date" name="ed_end_date" required>
                        </div>

                    </div>
                    <div class="modal-footer">
                        <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
                        <button type="submit" class="btn btn-primary">Save
                            changes</button>
                    </div>
                </form>
            </div>
        </div>
    </div>


    <!-- Modal3 -->
    <div class="modal fade" id="addExperience" tabindex="-1" aria-labelledby="addExperiencelabel"
        aria-hidden="true">
        <div class="modal-dialog modal-dialog-centered">
            <div class="modal-content">
                <div class="modal-header">
                    <h5 class="modal-title" id="editProfileModalLabel">Add Experience</h5>
                    <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
                </div>
                <form action="add_experience" method="post">
                    <div class="modal-body">
                        <div class="mb-3">
                            <label for="title" class="form-label">Title</label>
                            <input type="text" class="form-control" id="title" name="title" required>
                        </div>
                        <div class="mb-3">
                            <label for="company" class="form-label">Company name</label>
                            <input type="text" class="form-control" id="company" name="company" required>
                        </div>
                        <div class="mb-3">
                            <label for="ex_start_date" class="form-label">Start Date</label>
                            <input type="date"  class="form-control" id="ex_start_date" name="ex_start_date" required>
                        </div>
                        <div class="mb-3">
                            <label for="ex_end_date" class="form-label">End Date</label>
                            <input type="date"  class="form-control" id="ex_end_date" name="ex_end_date" required>
                        </div>

                    </div>
                    <div class="modal-footer">
                        <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
```

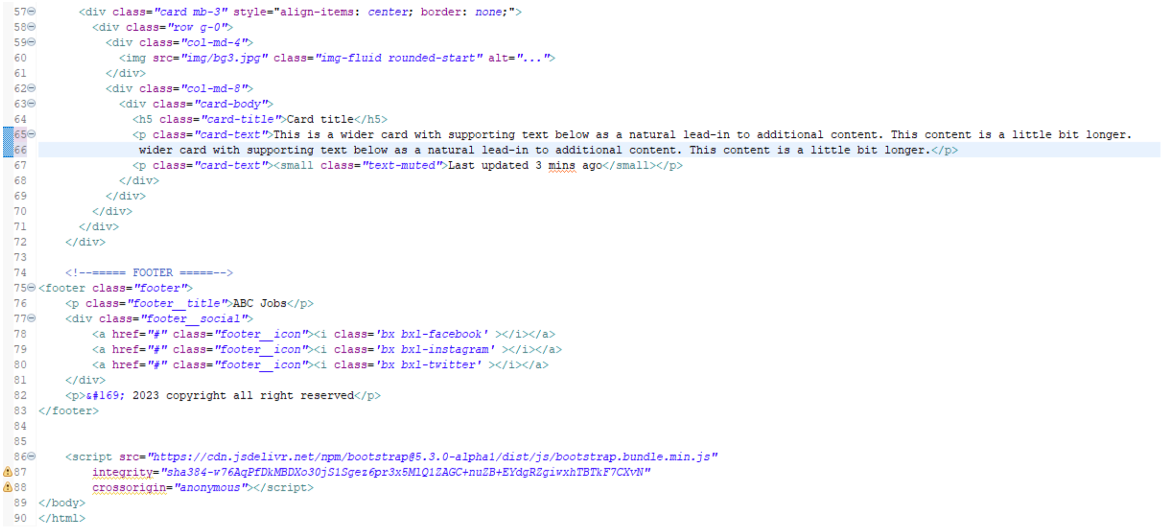


```
                        <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
                        <button type="submit" class="btn btn-primary">Save
                            changes</button>
                    </div>
                </form>
            </div>
        </div>
    </div>

<%@ include file="footer3.jsp" %>
```

d. Login/Logout

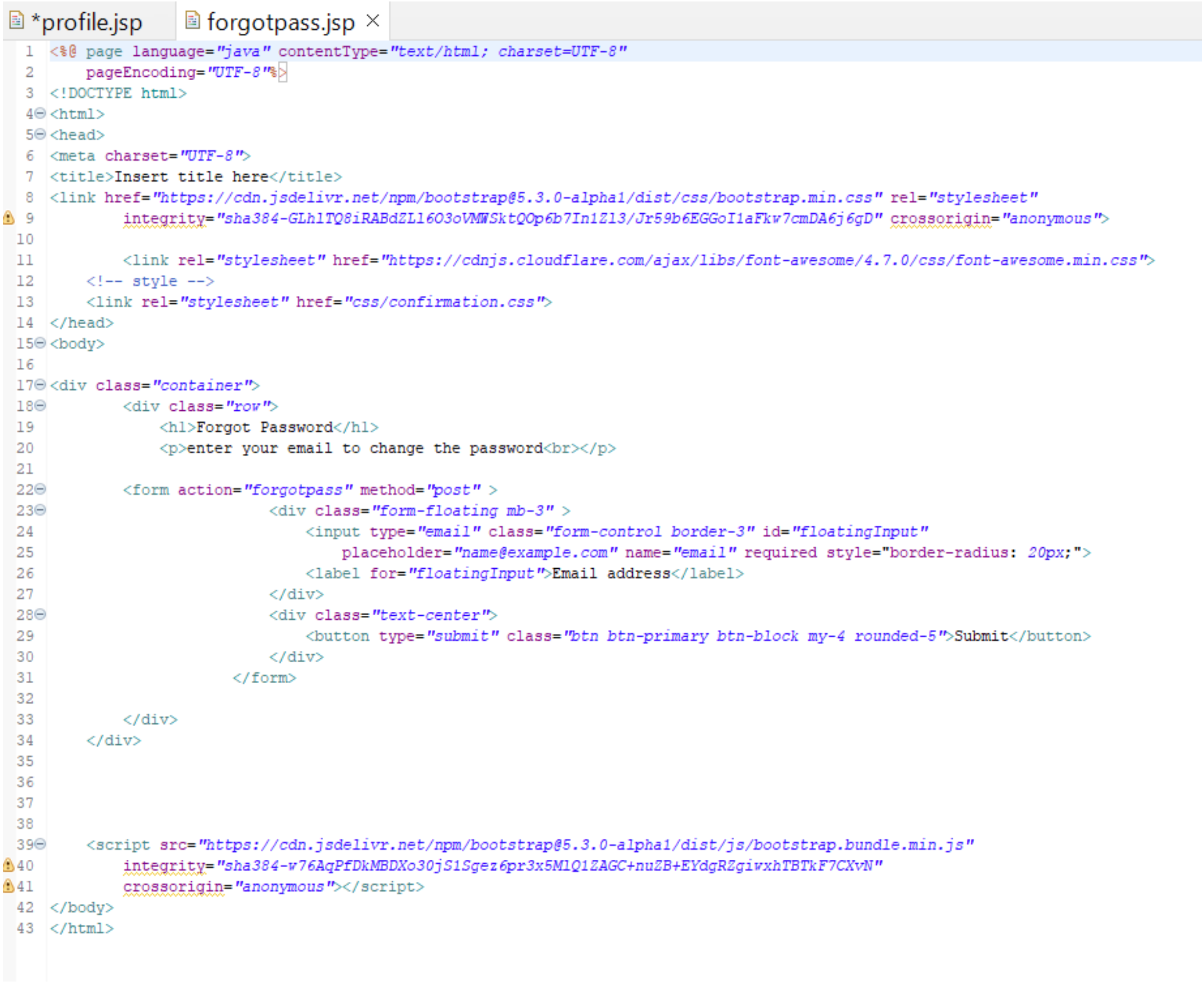


```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Login</title>
 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">

    <!-- style -->
    <link rel="stylesheet" href="css/login.css">

    <!-- font google -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&display=swap" rel="stylesheet">
</head>
<body>
    <section class="login d-flex">
        <div class="login-left w-50 h-100">
            <div class="row justify-content-center align-items-center h-100">
                <div class="col-6">
                    <div class="header">
                        <h1>Welcome Back</h1>
                        <p>Come join us, become the ABC Jobs family</p>
                    </div>
                    <form class="login-form" action="login" method="Post">
                    <div>
                        <label for="email" class="form-label">Email</label>
                        <input type="email" class="form-control" placeholder="Email Address" name="email" maxlength="50"
                            required>

                        <label for="password" class="form-label">Password</label>
                        <input type="password" class="form-control" placeholder="Password" name="password"
                            maxlength="15" required>
                        <a href="forgotpass" class="mt-2 text-decoration-none">Forgot Password ?</a><br>
                        <button type="submit" class="btn btn-primary btn-block rounded-5">Sign In</button> <br>

                        <div class="text-center">
                            <span class="d-inline">Don't have an account ? <a href="registration" class=" d-inline text-decoration-none">Register</a></span>
                        </div>

                      </form>
                    </div>
                </div>
            </div>

        </div>
        <div class="login-right  " >
            <div class="img">
                <img id="img1" class="" src="img/seo-2x.webp" alt="" style="height:600px;">
            </div>
        </div>
    </section>
    <div class="container">
```

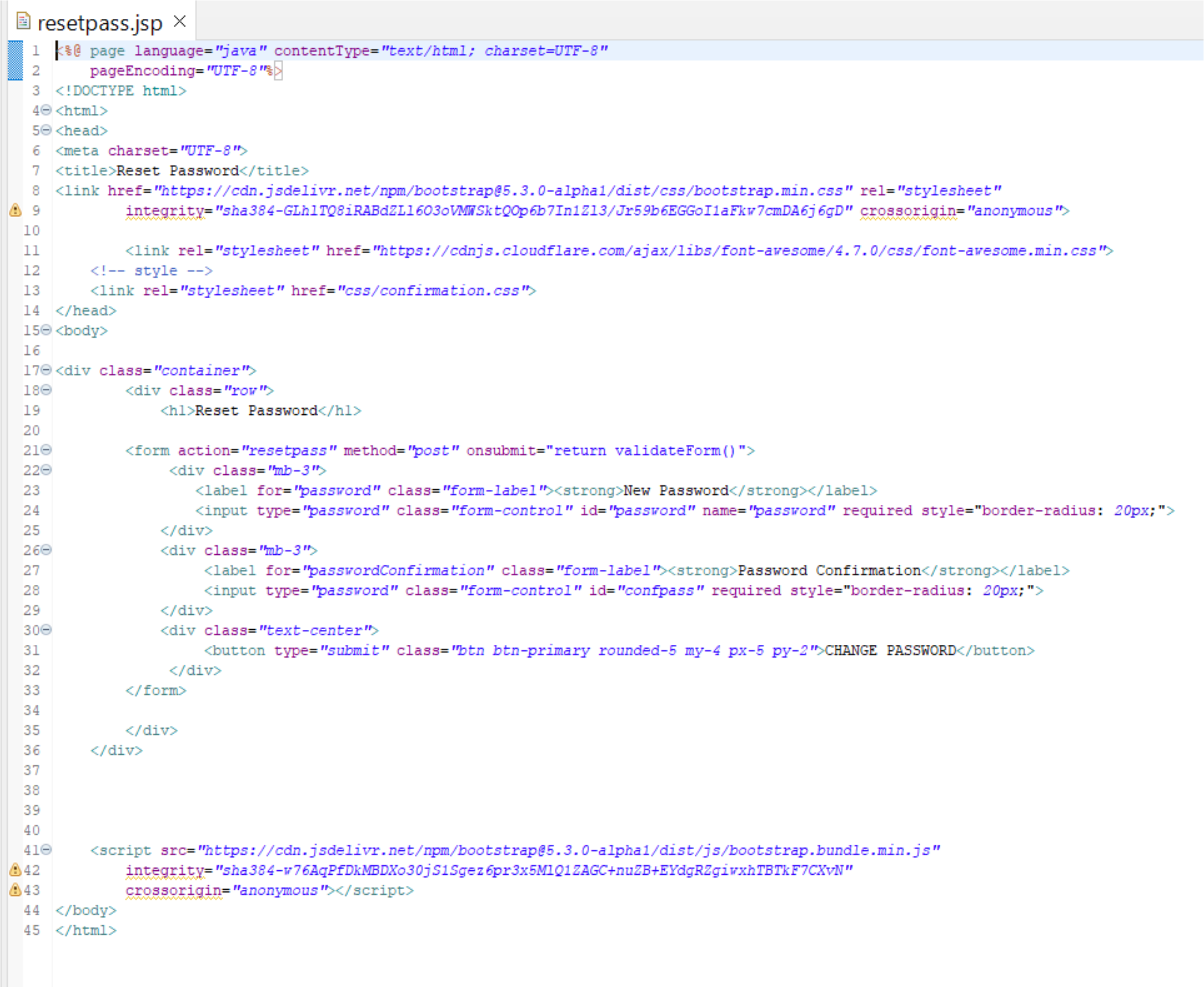


```
    <div class="card mb-3" style="align-items: center; border: none;">
      <div class="row g-0">
        <div class="col-md-4">
          <img src="img/bg3.jpg" class="img-fluid rounded-start" alt="...">
        </div>
        <div class="col-md-8">
          <div class="card-body">
            <h5 class="card-title">Card title</h5>
            <p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.
             wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>
            <p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>
          </div>
        </div>
      </div>
    </div>
    </div>

    <!--===== FOOTER =====-->
<footer class="footer">
    <p class="footer__title">ABC Jobs</p>
    <div class="footer__social">
        <a href="#" class="footer__icon"><i class='bx bxl-facebook' ></i></a>
        <a href="#" class="footer__icon"><i class='bx bxl-instagram' ></i></a>
        <a href="#" class="footer__icon"><i class='bx bxl-twitter' ></i></a>
    </div>
    <p>&#169; 2023 copyright all right reserved</p>
</footer>


    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
        crossorigin="anonymous"></script>
</body>
</html>
```

e. Forget Password

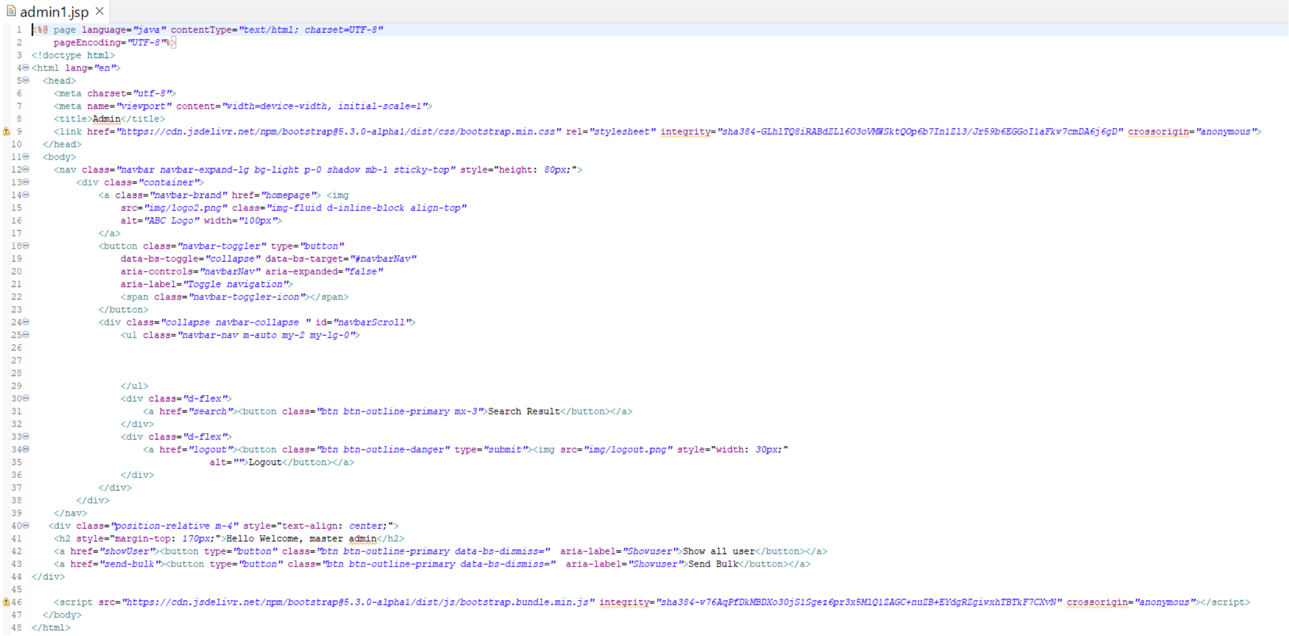


```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">

        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <!-- style -->
    <link rel="stylesheet" href="css/confirmation.css">
</head>
<body>

<div class="container">
        <div class="row">
            <h1>Forgot Password</h1>
            <p>enter your email to change the password<br></p>

        <form action="forgotpass" method="post" >
                        <div class="form-floating mb-3" >
                            <input type="email" class="form-control border-3" id="floatingInput"
                                placeholder="name@example.com" name="email" required style="border-radius: 20px;">
                            <label for="floatingInput">Email address</label>
                        </div>
                        <div class="text-center">
                            <button type="submit" class="btn btn-primary btn-block my-4 rounded-5">Submit</button>
                        </div>
                    </form>

        </div>
    </div>




    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
        crossorigin="anonymous"></script>
</body>
</html>
```

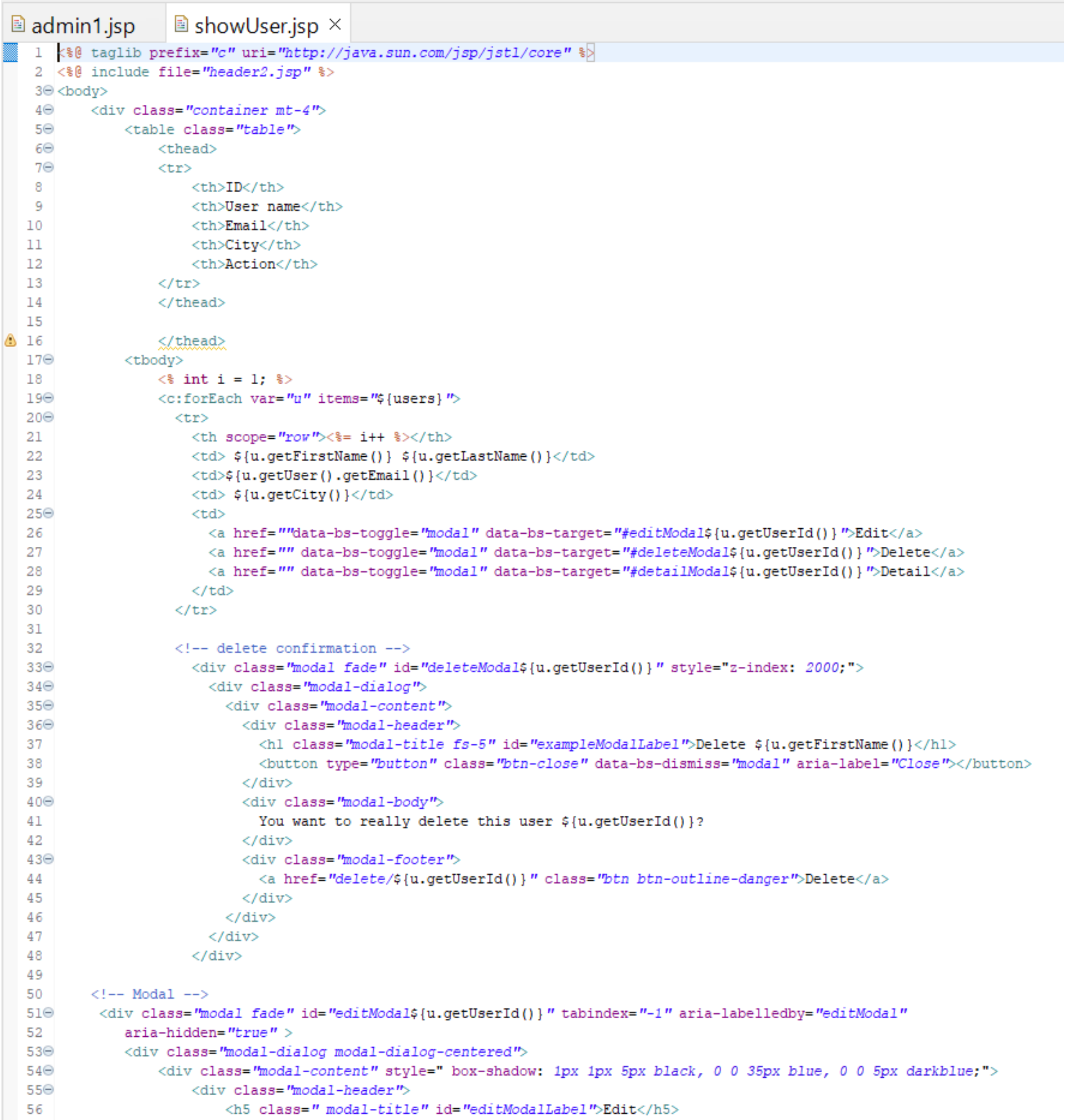


```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Reset Password</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">

        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <!-- style -->
    <link rel="stylesheet" href="css/confirmation.css">
</head>
<body>

<div class="container">
        <div class="row">
            <h1>Reset Password</h1>

        <form action="resetpass" method="post" onsubmit="return validateForm()">
             <div class="mb-3">
                <label for="password" class="form-label"><strong>New Password</strong></label>
                <input type="password" class="form-control" id="password" name="password" required style="border-radius: 20px;">
            </div>
            <div class="mb-3">
                 <label for="passwordConfirmation" class="form-label"><strong>Password Confirmation</strong></label>
                 <input type="password" class="form-control" id="confpass" required style="border-radius: 20px;">
            </div>
            <div class="text-center">
                 <button type="submit" class="btn btn-primary rounded-5 my-4 px-5 py-2">CHANGE PASSWORD</button>
             </div>
        </form>

        </div>
    </div>




    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
        crossorigin="anonymous"></script>
</body>
</html>
```

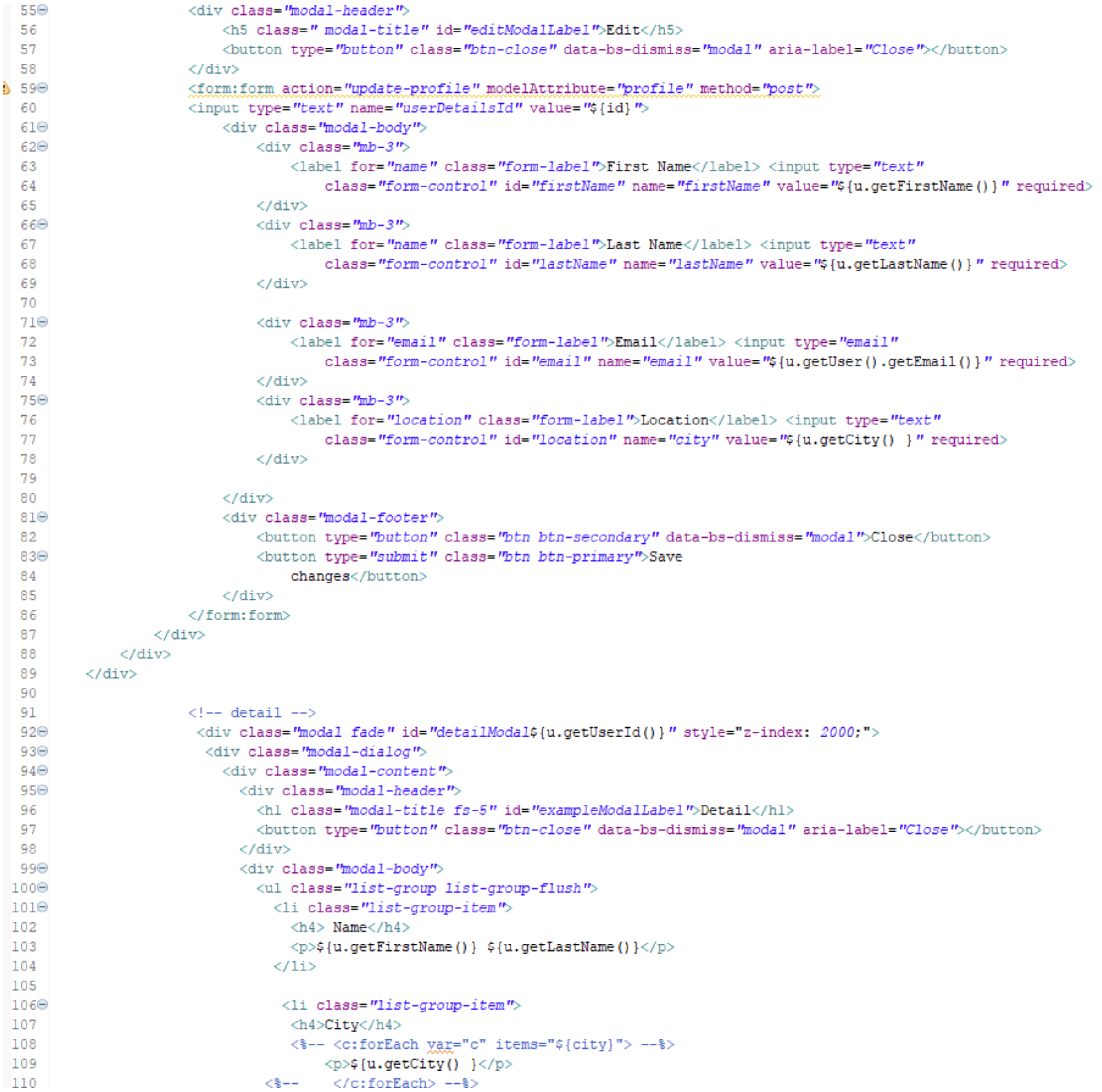
f. Administration Page



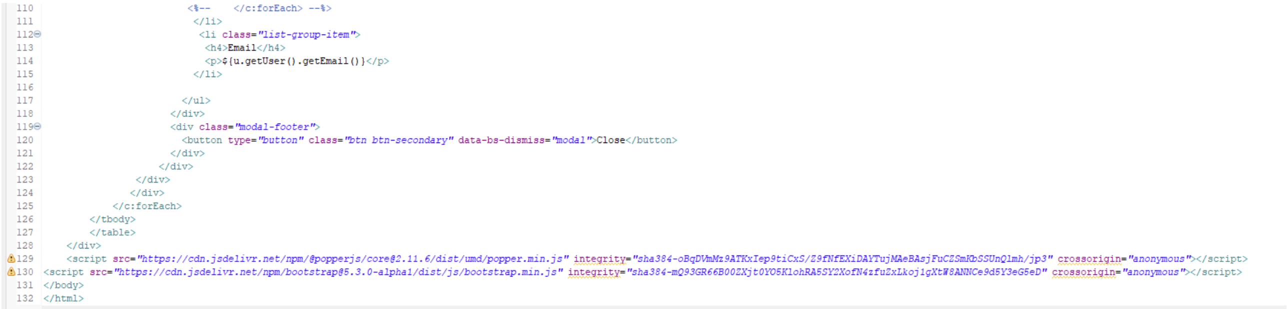
```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Admin</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">
  </head>
  <body>
    <nav class="navbar navbar-expand-lg bg-light p-0 shadow mb-1 sticky-top" style="height: 80px;">
        <div class="container">
            <a class="navbar-brand" href="homepage"> <img
                src="img/logo2.png" class="img-fluid d-inline-block align-top"
                alt="ABC Logo" width="100px">
            </a>
            <button class="navbar-toggler" type="button"
                data-bs-toggle="collapse" data-bs-target="#navbarNav"
                aria-controls="navbarNav" aria-expanded="false"
                aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse " id="navbarScroll">
                <ul class="navbar-nav m-auto my-2 my-lg-0">



                </ul>
                <div class="d-flex">
                    <a href="search"><button class="btn btn-outline-primary mx-3">Search Result</button></a>
                </div>
                <div class="d-flex">
                    <a href="logout"><button class="btn btn-outline-danger" type="submit"><img src="img/logout.png" style="width: 30px;"
                                alt="">Logout</button></a>
                </div>
            </div>
        </div>
    </nav>
   <div class="position-relative m-4" style="text-align: center;">
    <h2 style="margin-top: 170px;">Hello Welcome, master admin</h2>
    <a href="showUser"><button type="button" class="btn btn-outline-primary data-bs-dismiss="  aria-label="Showuser">Show all user</button></a>
    <a href="send-bulk"><button type="button" class="btn btn-outline-primary data-bs-dismiss="  aria-label="Showuser">Send Bulk</button></a>
</div>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN" crossorigin="anonymous"></script>
  </body>
</html>
```



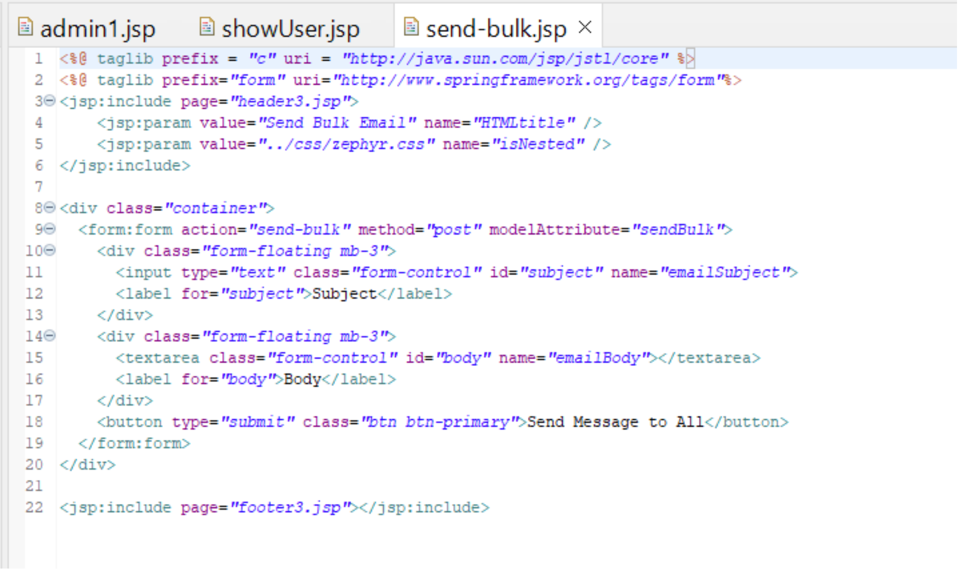
```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@ include file="header2.jsp" %>
<body>
    <div class="container mt-4">
        <table class="table">
            <thead>
            <tr>
                <th>ID</th>
                <th>User name</th>
                <th>Email</th>
                <th>City</th>
                <th>Action</th>
            </tr>
            </thead>

            </thead>
        <tbody>
            <% int i = 1; %>
            <c:forEach var="u" items="${users}">
              <tr>
                <th scope="row"><%= i++ %></th>
                <td> ${u.getFirstName()} ${u.getLastName()}</td>
                <td>${u.getUser().getEmail()}</td>
                <td> ${u.getCity()}</td>
                <td>
                  <a href=""data-bs-toggle="modal" data-bs-target="#editModal${u.getUserId()}">Edit</a>
                  <a href="" data-bs-toggle="modal" data-bs-target="#deleteModal${u.getUserId()}">Delete</a>
                  <a href="" data-bs-toggle="modal" data-bs-target="#detailModal${u.getUserId()}">Detail</a>
                </td>
              </tr>

              <!-- delete confirmation -->
                <div class="modal fade" id="deleteModal${u.getUserId()}" style="z-index: 2000;">
                  <div class="modal-dialog">
                    <div class="modal-content">
                      <div class="modal-header">
                        <h1 class="modal-title fs-5" id="exampleModalLabel">Delete ${u.getFirstName()}</h1>
                        <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
                      </div>
                      <div class="modal-body">
                        You want to really delete this user ${u.getUserId()}?
                      </div>
                      <div class="modal-footer">
                        <a href="delete/${u.getUserId()}" class="btn btn-outline-danger">Delete</a>
                      </div>
                    </div>
                  </div>
                </div>

    <!-- Modal -->
     <div class="modal fade" id="editModal${u.getUserId()}" tabindex="-1" aria-labelledby="editModal"
        aria-hidden="true" >
        <div class="modal-dialog modal-dialog-centered">
            <div class="modal-content" style=" box-shadow: 1px 1px 5px black, 0 0 35px blue, 0 0 5px darkblue;">
                <div class="modal-header">
                    <h5 class=" modal-title" id="editModalLabel">Edit</h5>
```



```
            <div class="modal-header">
                <h5 class=" modal-title" id="editModalLabel">Edit</h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
            </div>
            <form:form action="update-profile" modelAttribute="profile" method="post">
            <input type="text" name="userDetailsId" value="${id}">
                <div class="modal-body">
                    <div class="mb-3">
                        <label for="name" class="form-label">First Name</label> <input type="text"
                            class="form-control" id="firstName" name="firstName" value="${u.getFirstName()}" required>
                    </div>
                    <div class="mb-3">
                        <label for="name" class="form-label">Last Name</label> <input type="text"
                            class="form-control" id="lastName" name="lastName" value="${u.getLastName()}" required>
                    </div>

                    <div class="mb-3">
                        <label for="email" class="form-label">Email</label> <input type="email"
                            class="form-control" id="email" name="email" value="${u.getUser().getEmail()}" required>
                    </div>
                    <div class="mb-3">
                        <label for="location" class="form-label">Location</label> <input type="text"
                            class="form-control" id="location" name="city" value="${u.getCity() }" required>
                    </div>

                </div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
                    <button type="submit" class="btn btn-primary">Save
                        changes</button>
                </div>
            </form:form>
        </div>
    </div>
</div>

            <!-- detail -->
             <div class="modal fade" id="detailModal${u.getUserId()}" style="z-index: 2000;">
              <div class="modal-dialog">
                <div class="modal-content">
                  <div class="modal-header">
                    <h1 class="modal-title fs-5" id="exampleModalLabel">Detail</h1>
                    <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
                  </div>
                  <div class="modal-body">
                    <ul class="list-group list-group-flush">
                      <li class="list-group-item">
                        <h4> Name</h4>
                        <p>${u.getFirstName()} ${u.getLastName()}</p>
                      </li>

                       <li class="list-group-item">
                        <h4>City</h4>
                        <%-- <c:forEach var="c" items="${city}"> --%>
                            <p>${u.getCity() }</p>
                     <%--    </c:forEach> --%>
```



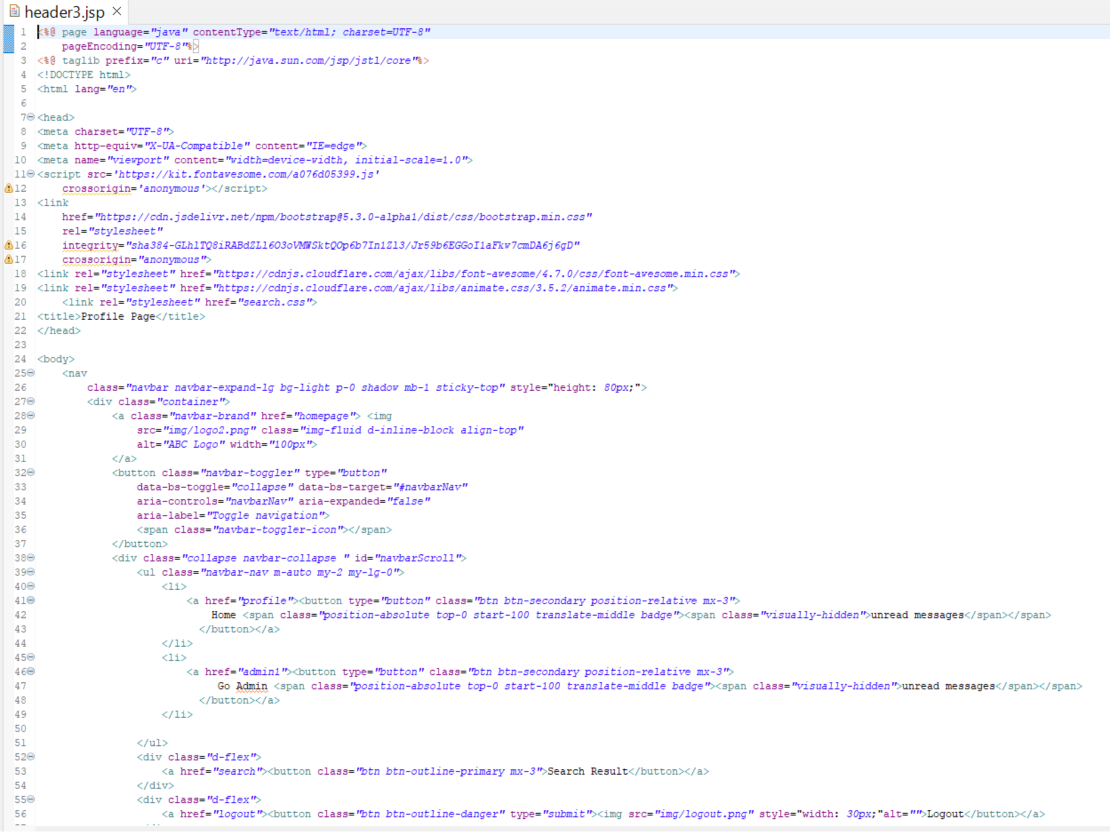
```
                         <%--    </c:forEach> --%>
                          </li>
                           <li class="list-group-item">
                            <h4>Email</h4>
                            <p>${u.getUser().getEmail()}</p>
                          </li>

                        </ul>
                      </div>
                      <div class="modal-footer">
                        <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
                      </div>
                    </div>
                </div>
               </div>
            </c:forEach>
        </tbody>
        </table>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js" integrity="sha384-oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlmh/jp3" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.min.js" integrity="sha384-mQ93GR66B00ZXjt0YO5KlohRA5SY2XofN4zfuZxLkoj1gXtW8ANNCe9d5Y3eG5eD" crossorigin="anonymous"></script>
</body>
</html>
```



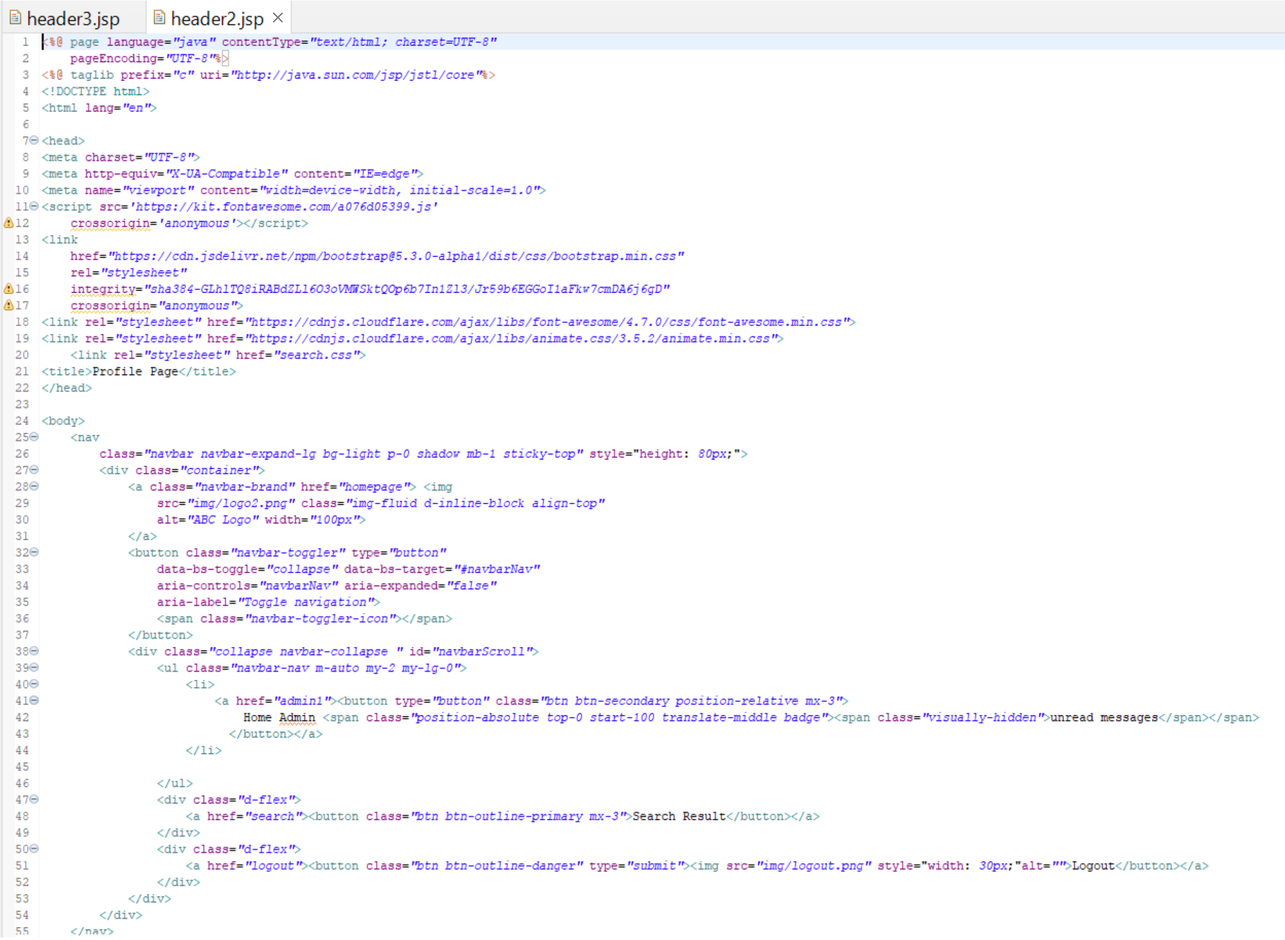
```
<%@ taglib prefix = "c" uri = "http://java.sun.com/jsp/jstl/core" %>
<%@ taglib prefix="form" uri="http://www.springframework.org/tags/form"%>
<jsp:include page="header3.jsp">
    <jsp:param value="Send Bulk Email" name="HTMLtitle" />
    <jsp:param value="../css/zephyr.css" name="isNested" />
</jsp:include>

<div class="container">
  <form:form action="send-bulk" method="post" modelAttribute="sendBulk">
    <div class="form-floating mb-3">
      <input type="text" class="form-control" id="subject" name="emailSubject">
      <label for="subject">Subject</label>
    </div>
    <div class="form-floating mb-3">
      <textarea class="form-control" id="body" name="emailBody"></textarea>
      <label for="body">Body</label>
    </div>
    <button type="submit" class="btn btn-primary">Send Message to All</button>
  </form:form>
</div>

<jsp:include page="footer3.jsp"></jsp:include>
```

2. Template them by separating Headers/ Footers and including them using Server Side includes.

2.1 Header

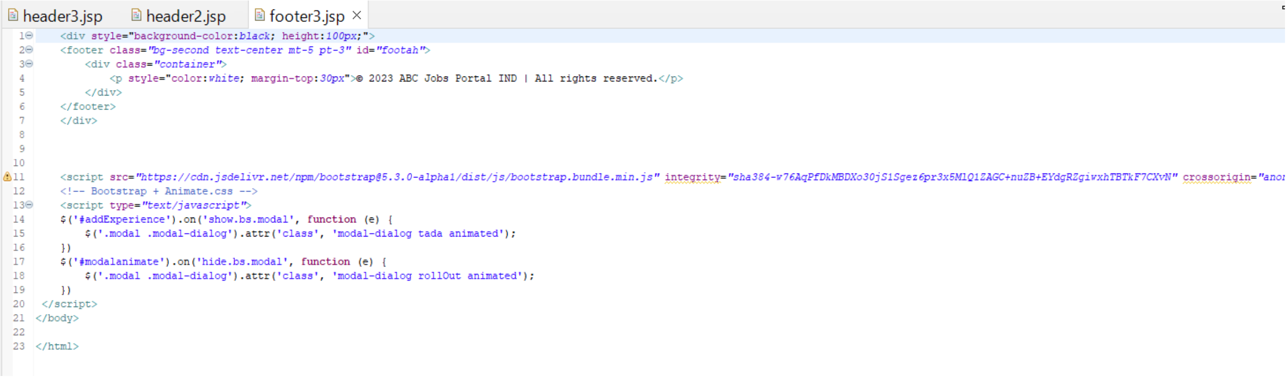


```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<script src='https://kit.fontawesome.com/a076d05399.js'
    crossorigin='anonymous'></script>
<link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD"
    crossorigin="anonymous">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.5.2/animate.min.css">
    <link rel="stylesheet" href="search.css">
<title>Profile Page</title>
</head>

<body>
    <nav
        class="navbar navbar-expand-lg bg-light p-0 shadow mb-1 sticky-top" style="height: 80px;">
        <div class="container">
            <a class="navbar-brand" href="homepage"> <img
                src="img/logo2.png" class="img-fluid d-inline-block align-top"
                alt="ABC Logo" width="100px">
            </a>
            <button class="navbar-toggler" type="button"
                data-bs-toggle="collapse" data-bs-target="#navbarNav"
                aria-controls="navbarNav" aria-expanded="false"
                aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse " id="navbarScroll">
                <ul class="navbar-nav m-auto my-2 my-lg-0">
                    <li>
                        <a href="profile"><button type="button" class="btn btn-secondary position-relative mx-3">
                            Home <span class="position-absolute top-0 start-100 translate-middle badge"><span class="visually-hidden">unread messages</span></span>
                          </button></a>
                    </li>
                    <li>
                        <a href="admin1"><button type="button" class="btn btn-secondary position-relative mx-3">
                             Go Admin <span class="position-absolute top-0 start-100 translate-middle badge"><span class="visually-hidden">unread messages</span></span>
                          </button></a>
                    </li>

                </ul>
                <div class="d-flex">
                    <a href="search"><button class="btn btn-outline-primary mx-3">Search Result</button></a>
                </div>
                <div class="d-flex">
                    <a href="logout"><button class="btn btn-outline-danger" type="submit"><img src="img/logout.png" style="width: 30px;"alt="">Logout</button></a>
```



```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<script src='https://kit.fontawesome.com/a076d05399.js'
    crossorigin='anonymous'></script>
<link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD"
    crossorigin="anonymous">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.5.2/animate.min.css">
    <link rel="stylesheet" href="search.css">
<title>Profile Page</title>
</head>

<body>
    <nav
        class="navbar navbar-expand-lg bg-light p-0 shadow mb-1 sticky-top" style="height: 80px;">
        <div class="container">
            <a class="navbar-brand" href="homepage"> <img
                src="img/logo2.png" class="img-fluid d-inline-block align-top"
                alt="ABC Logo" width="100px">
            </a>
            <button class="navbar-toggler" type="button"
                data-bs-toggle="collapse" data-bs-target="#navbarNav"
                aria-controls="navbarNav" aria-expanded="false"
                aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse " id="navbarScroll">
                <ul class="navbar-nav m-auto my-2 my-lg-0">
                    <li>
                        <a href="admin1"><button type="button" class="btn btn-secondary position-relative mx-3">
                            Home Admin <span class="position-absolute top-0 start-100 translate-middle badge"><span class="visually-hidden">unread messages</span></span>
                          </button></a>
                    </li>

                </ul>
                <div class="d-flex">
                    <a href="search"><button class="btn btn-outline-primary mx-3">Search Result</button></a>
                </div>
                <div class="d-flex">
                    <a href="logout"><button class="btn btn-outline-danger" type="submit"><img src="img/logout.png" style="width: 30px;"alt="">Logout</button></a>
                </div>
            </div>
        </div>
    </nav>
```

1.1 Footer

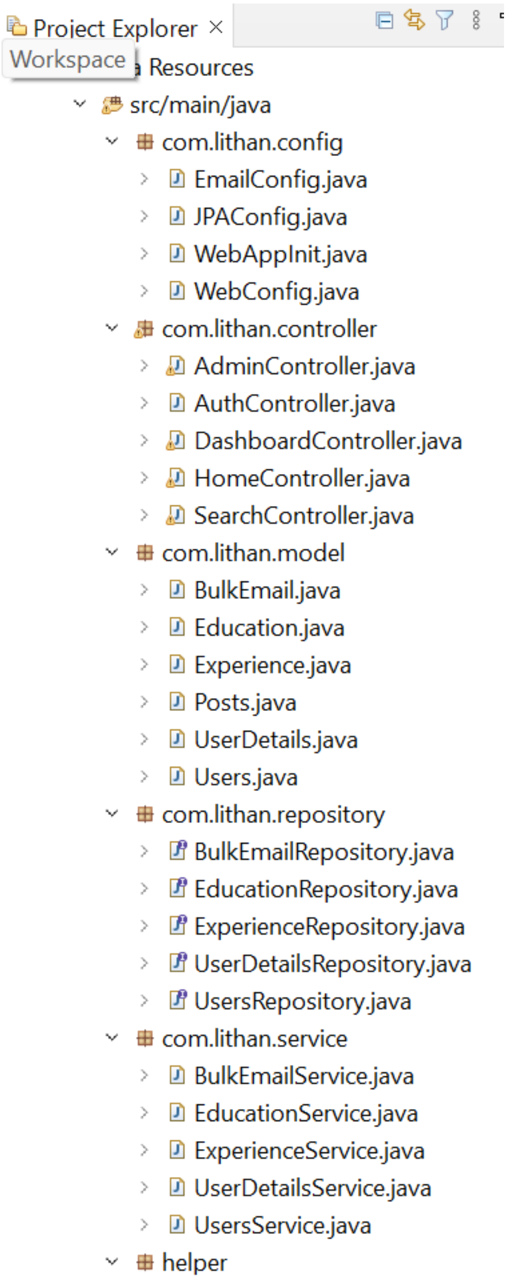


```
    <div style="background-color:black; height:100px;">
    <footer class="bg-second text-center mt-5 pt-3" id="footah">
        <div class="container">
            <p style="color:white; margin-top:30px">© 2023 ABC Jobs Portal IND | All rights reserved.</p>
        </div>
    </footer>
    </div>



    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN" crossorigin="anon
    <!-- Bootstrap + Animate.css -->
    <script type="text/javascript">
    $('#addExperience').on('show.bs.modal', function (e) {
        $('.modal .modal-dialog').attr('class', 'modal-dialog tada animated');
    })
    $('#modalanimate').on('hide.bs.modal', function (e) {
        $('.modal .modal-dialog').attr('class', 'modal-dialog rollOut animated');
    })
 </script>
</body>

</html>
```

3. Provide the screen capture in Project Presentation

8. Task 6 (java classes)

1. Package wise



```
Resources
  src/main/java
    com.lithan.config
      EmailConfig.java
      JPAConfig.java
      WebAppInit.java
      WebConfig.java
    com.lithan.controller
      AdminController.java
      AuthController.java
      DashboardController.java
      HomeController.java
      SearchController.java
    com.lithan.model
      BulkEmail.java
      Education.java
      Experience.java
      Posts.java
      UserDetails.java
      Users.java
    com.lithan.repository
      BulkEmailRepository.java
      EducationRepository.java
      ExperienceRepository.java
      UserDetailsRepository.java
      UsersRepository.java
    com.lithan.service
      BulkEmailService.java
      EducationService.java
      ExperienceService.java
      UserDetailsService.java
      UsersService.java
    helper
```

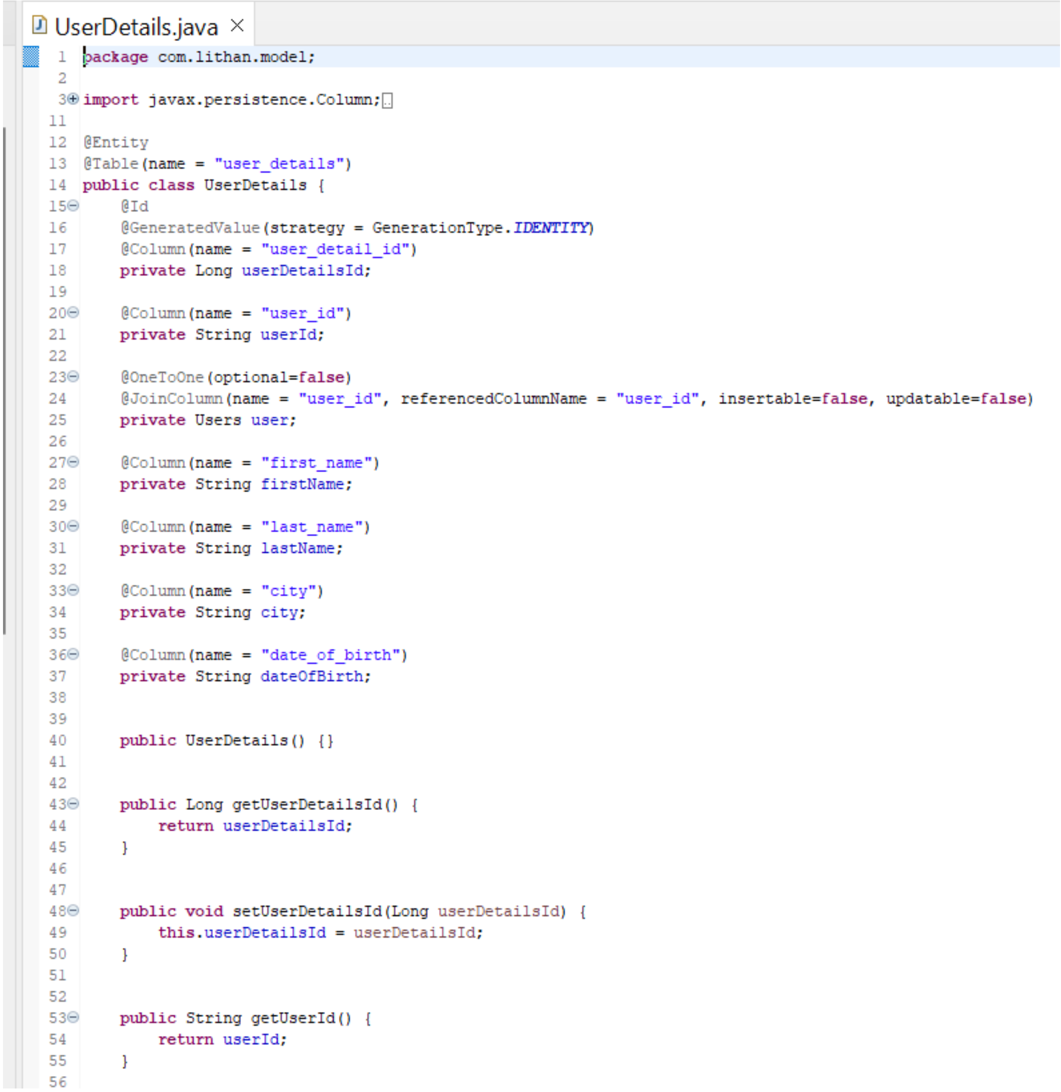
2. MainCotroller.java

Task Statement:

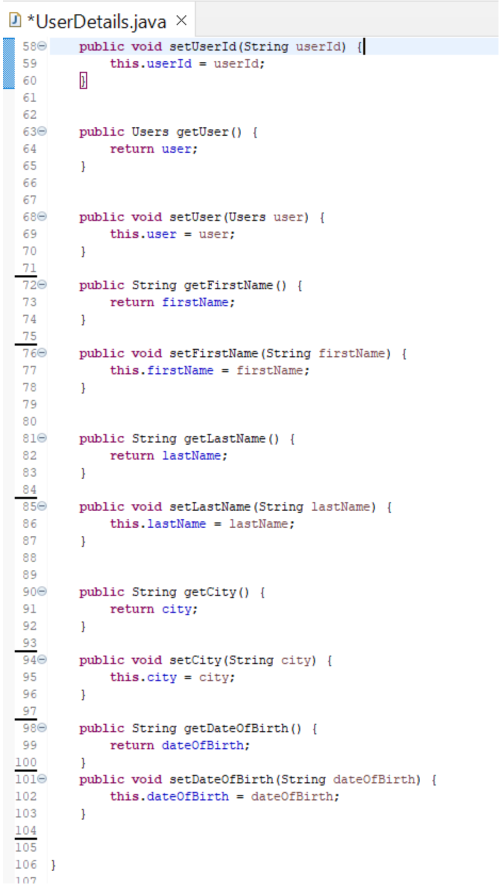
Source code

1. Create the required classes in Java

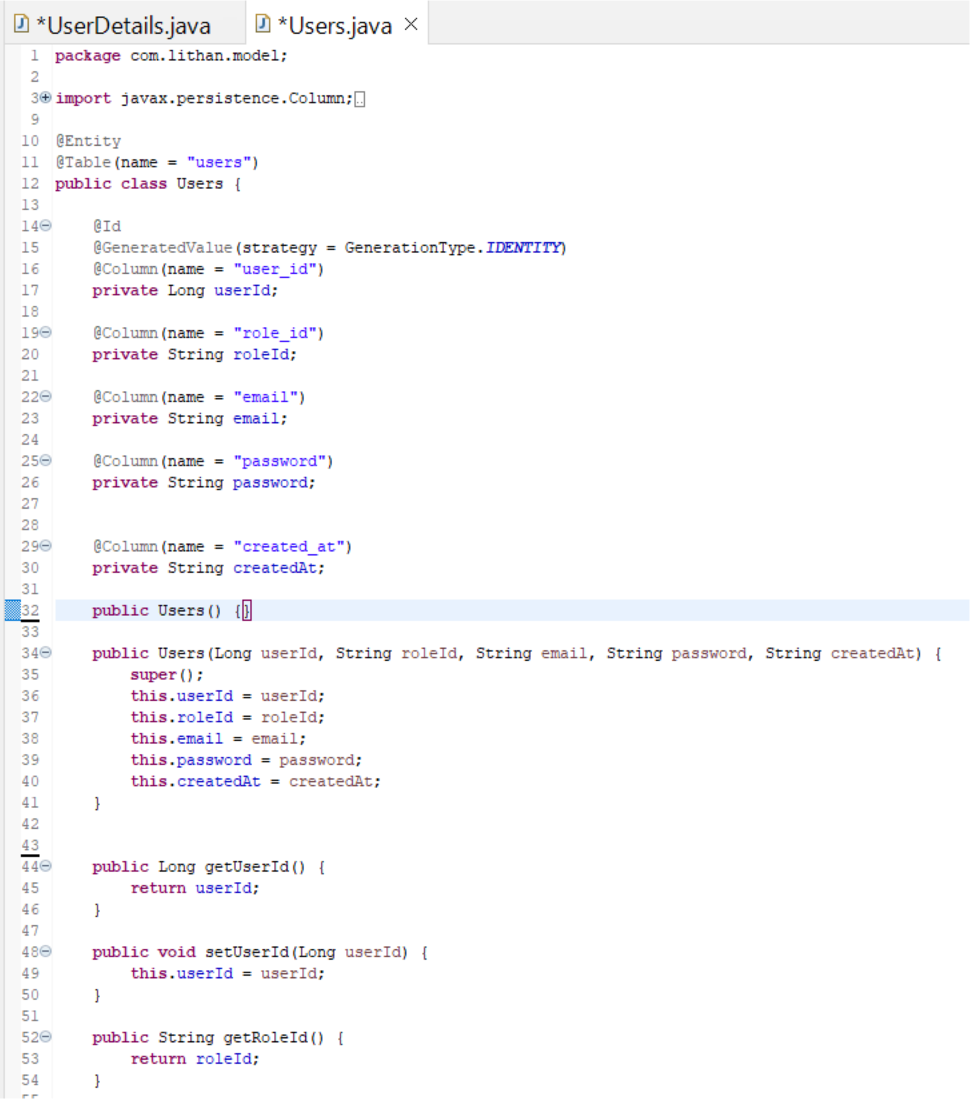
   1.1 UsersDetails.java



```java
package com.lithan.model;

import javax.persistence.Column;

@Entity
@Table(name = "user_details")
public class UserDetails {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    @Column(name = "user_detail_id")
    private Long userDetailsId;

    @Column(name = "user_id")
    private String userId;

    @OneToOne(optional=false)
    @JoinColumn(name = "user_id", referencedColumnName = "user_id", insertable=false, updatable=false)
    private Users user;

    @Column(name = "first_name")
    private String firstName;

    @Column(name = "last_name")
    private String lastName;

    @Column(name = "city")
    private String city;

    @Column(name = "date_of_birth")
    private String dateOfBirth;


    public UserDetails() {}


    public Long getUserDetailsId() {
        return userDetailsId;
    }


    public void setUserDetailsId(Long userDetailsId) {
        this.userDetailsId = userDetailsId;
    }


    public String getUserId() {
        return userId;
    }

```

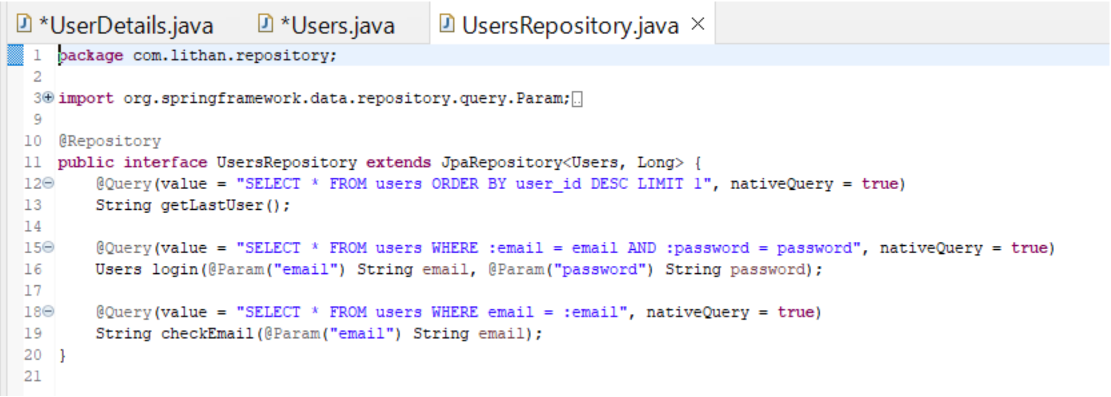


```java
    public void setUserId(String userId) {
        this.userId = userId;
    }


    public Users getUser() {
        return user;
    }


    public void setUser(Users user) {
        this.user = user;
    }

    public String getFirstName() {
        return firstName;
    }

    public void setFirstName(String firstName) {
        this.firstName = firstName;
    }


    public String getLastName() {
        return lastName;
    }

    public void setLastName(String lastName) {
        this.lastName = lastName;
    }


    public String getCity() {
        return city;
    }

    public void setCity(String city) {
        this.city = city;
    }

    public String getDateOfBirth() {
        return dateOfBirth;
    }
    public void setDateOfBirth(String dateOfBirth) {
        this.dateOfBirth = dateOfBirth;
    }


}
```



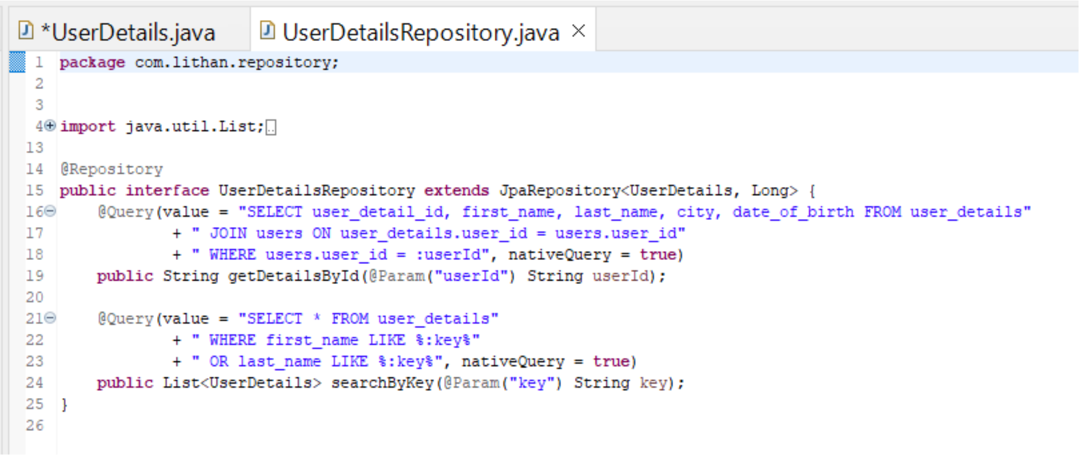
```java
package com.lithan.model;

import javax.persistence.Column;

@Entity
@Table(name = "users")
public class Users {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    @Column(name = "user_id")
    private Long userId;

    @Column(name = "role_id")
    private String roleId;

    @Column(name = "email")
    private String email;

    @Column(name = "password")
    private String password;


    @Column(name = "created_at")
    private String createdAt;

    public Users() {}

    public Users(Long userId, String roleId, String email, String password, String createdAt) {
        super();
        this.userId = userId;
        this.roleId = roleId;
        this.email = email;
        this.password = password;
        this.createdAt = createdAt;
    }


    public Long getUserId() {
        return userId;
    }

    public void setUserId(Long userId) {
        this.userId = userId;
    }

    public String getRoleId() {
        return roleId;
    }
```

2. Include the Data Access Layer classes



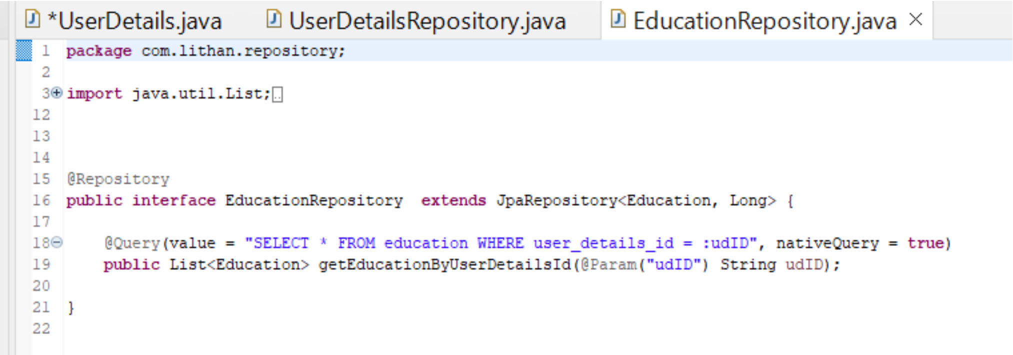
```java
package com.lithan.repository;

import org.springframework.data.repository.query.Param;

@Repository
public interface UsersRepository extends JpaRepository<Users, Long> {
    @Query(value = "SELECT * FROM users ORDER BY user_id DESC LIMIT 1", nativeQuery = true)
    String getLastUser();

    @Query(value = "SELECT * FROM users WHERE :email = email AND :password = password", nativeQuery = true)
    Users login(@Param("email") String email, @Param("password") String password);

    @Query(value = "SELECT * FROM users WHERE email = :email", nativeQuery = true)
    String checkEmail(@Param("email") String email);
}

```

2.1 UserDetailsRepository.java



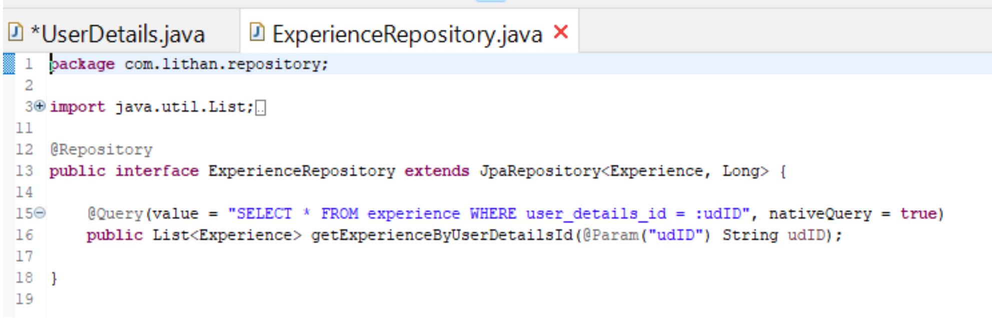
```java
package com.lithan.repository;


import java.util.List;

@Repository
public interface UserDetailsRepository extends JpaRepository<UserDetails, Long> {
    @Query(value = "SELECT user_detail_id, first_name, last_name, city, date_of_birth FROM user_details"
            + " JOIN users ON user_details.user_id = users.user_id"
            + " WHERE users.user_id = :userId", nativeQuery = true)
    public String getDetailsById(@Param("userId") String userId);

    @Query(value = "SELECT * FROM user_details"
            + " WHERE first_name LIKE %:key%"
            + " OR last_name LIKE %:key%", nativeQuery = true)
    public List<UserDetails> searchByKey(@Param("key") String key);
}
```

2.2 EducationRepository.java



```java
package com.lithan.repository;

import java.util.List;



@Repository
public interface EducationRepository  extends JpaRepository<Education, Long> {

    @Query(value = "SELECT * FROM education WHERE user_details_id = :udID", nativeQuery = true)
    public List<Education> getEducationByUserDetailsId(@Param("udID") String udID);

}
```

2.2 ExperienceRepository.java



```java
package com.lithan.repository;

import java.util.List;

@Repository
public interface ExperienceRepository extends JpaRepository<Experience, Long> {

    @Query(value = "SELECT * FROM experience WHERE user_details_id = :udID", nativeQuery = true)
    public List<Experience> getExperienceByUserDetailsId(@Param("udID") String udID);

}
```

3. Include samples as part of Project Report

9. Task 7

(screen capture of your working website – web pages)

Task Statement:

Provide screen capture of developed pages and hosted application in Project Presentation

1. Use Queries, Procs Developed in Module 4

Registration	public Users register(Users user) {
	return repo.save(user);
	}

Viewprofile other user	@Query(value = "SELECT user_details_id, first_name, last_name, city, date_of_birth FROM user_details" + " JOIN users ON user_details.user_id = users.user_id" + " WHERE users.user_id = :userId", nativeQuery = true)
search	@Query(value = "SELECT * FROM user_details" + " WHERE first_name LIKE %:key%" + " OR last_name LIKE %:key%" + " OR city LIKE %:key%", nativeQuery = true)

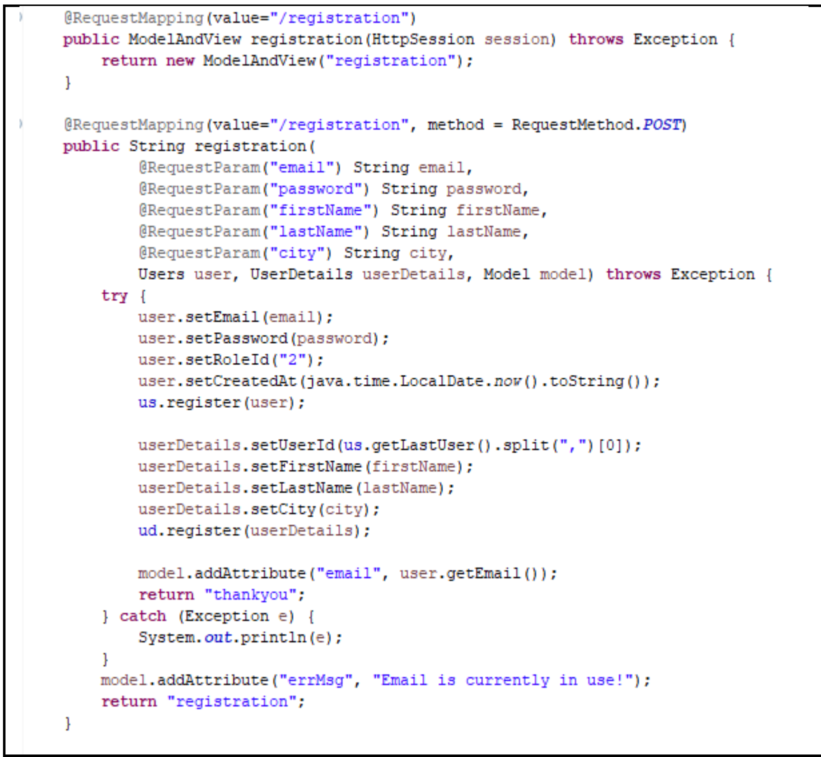
Login	public Users login(Users user) {
	try {
	Users login = repo.login(user.getEmail(), user.getPassword());
	return login;
	} catch (Exception e) {
	System.out.println("Credential is null " + e);
	}
	return null;
	}

Update Prorfile	public UserDetails editprofile(Long userDetailsId, UserDetails ud) {
	UserDetails userDetails = repo.findById(userDetailsId).get();
	// update
	userDetails.setCity(ud.getCity());
	userDetails.setFirstName(ud.getFirstName());
	userDetails.setLastName(ud.getLastName());
	userDetails.setPhoneNumber(ud.getDate());;
	// save
	return repo.save(userDetails);
	}

Forget Password	public Users updatePassword(String password, String email) {
	Long userId = Long.parseLong(repo.checkEmail(email).split(",")[0]);
	Users user = repo.findById(userId).get();
	// update
	user.setPassword(password);

	// save
	return repo.save(user);
	}

2. Develop the Models, Views, Controller (at least for one of the functionality, better if you can use for all the functionality)

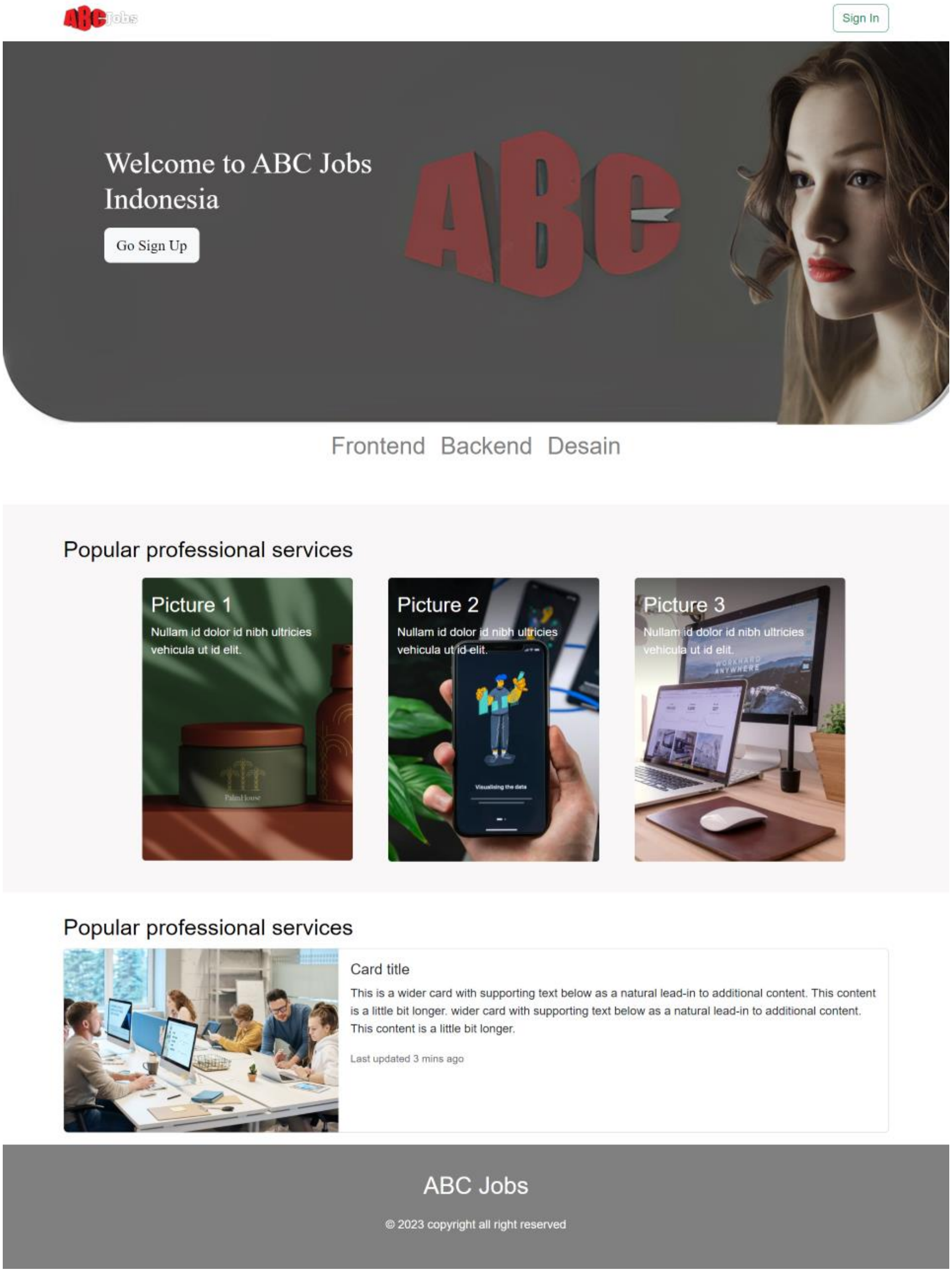


```
@RequestMapping(value="/registration")
public ModelAndView registration(HttpSession session) throws Exception {
    return new ModelAndView("registration");
}

@RequestMapping(value="/registration", method = RequestMethod.POST)
public String registration(
        @RequestParam("email") String email,
        @RequestParam("password") String password,
        @RequestParam("firstName") String firstName,
        @RequestParam("lastName") String lastName,
        @RequestParam("city") String city,
        Users user, UserDetails userDetails, Model model) throws Exception {
    try {
        user.setEmail(email);
        user.setPassword(password);
        user.setRoleId("2");
        user.setCreatedAt(java.time.LocalDate.now().toString());
        us.register(user);

        userDetails.setUserId(us.getLastUser().split(",")[0]);
        userDetails.setFirstName(firstName);
        userDetails.setLastName(lastName);
        userDetails.setCity(city);
        ud.register(userDetails);

        model.addAttribute("email", user.getEmail());
        return "thankyou";
    } catch (Exception e) {
        System.out.println(e);
    }
    model.addAttribute("errMsg", "Email is currently in use!");
    return "registration";
}
```

This code defines a Java Spring Controller that handles user registration requests. When a user accesses the "/register" URL, the controller displays a blank registration form. Once the user accepts the registration form, the controller creates a new user account, stores the user data in a database, and processes the data. The user sees a "thank you" page if the registration process is successful. If the user's email address has already been registered with the system, an error message is displayed on the registration page.

3. Develop Home Page & Integrate with Login System

3.1 Home Page



Welcome to ABC Jobs Indonesia

Popular professional services

Picture 1
Nullam id dolor id nibh ultricies vehicula ut id elit.

Picture 2
Nullam id dolor id nibh ultricies vehicula ut id elit.

Picture 3
Nullam id dolor id nibh ultricies vehicula ut id elit.

Popular professional services

Card title

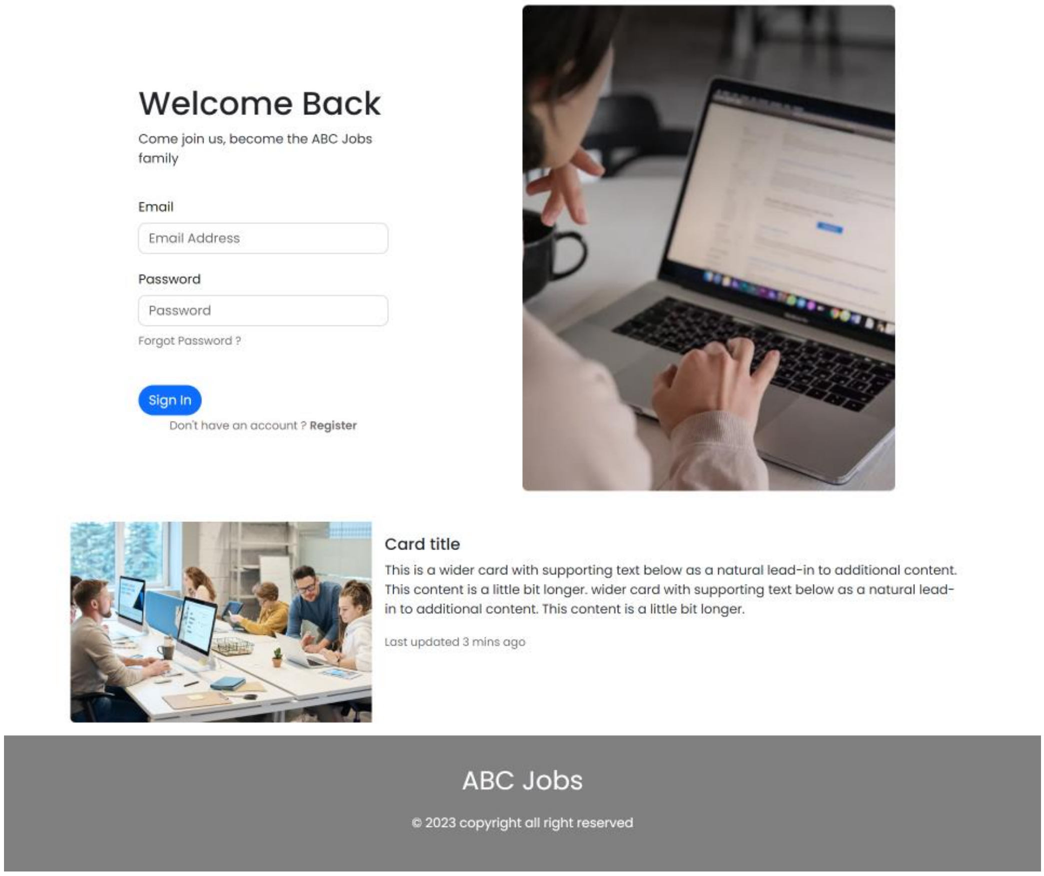
This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

ABC Jobs

© 2023 copyright all right reserved

3.2 Login



Welcome Back

Come join us, become the ABC Jobs family

Email

Email Address

Password

Password

Forgot Password ?

Don't have an account ? **Register**

Card title

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

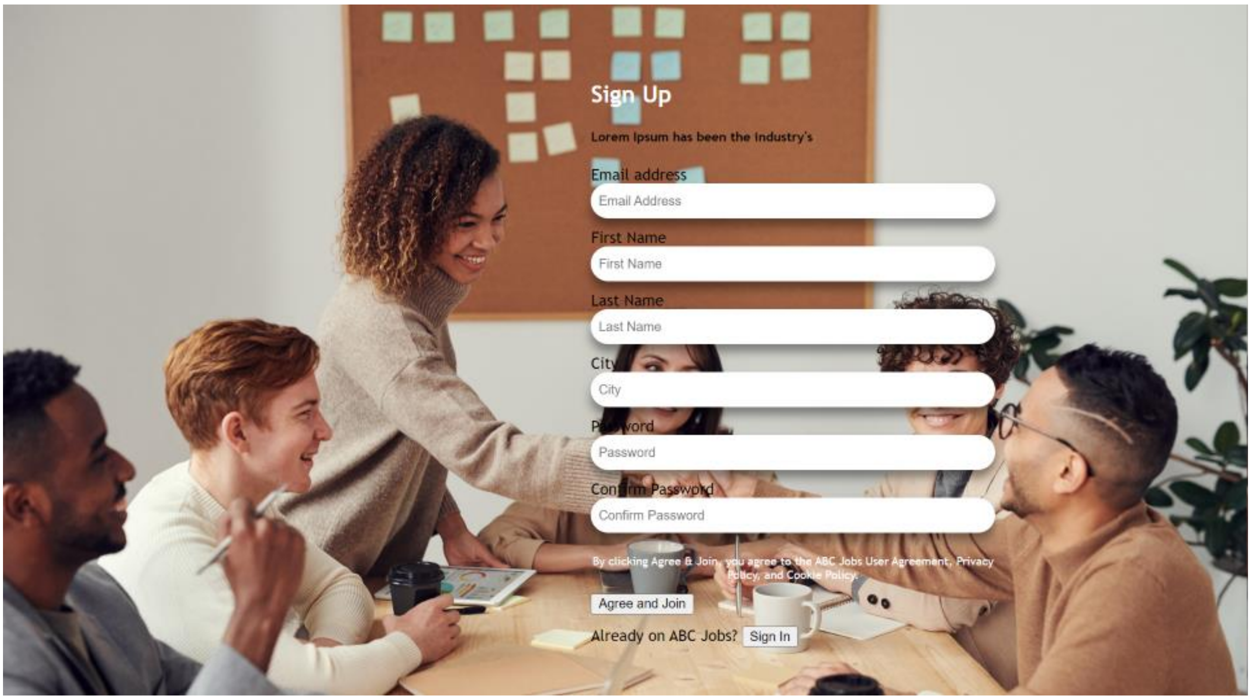
Last updated 3 mins ago

ABC Jobs

© 2023 copyright all right reserved

4. Develop Registration Form & Registration Thank You

4.1 Registration Form



Sign Up

Lorem Ipsum has been the industry's

Email address

Email Address

First Name

First Name

Last Name

Last Name

City

City

Password

Password

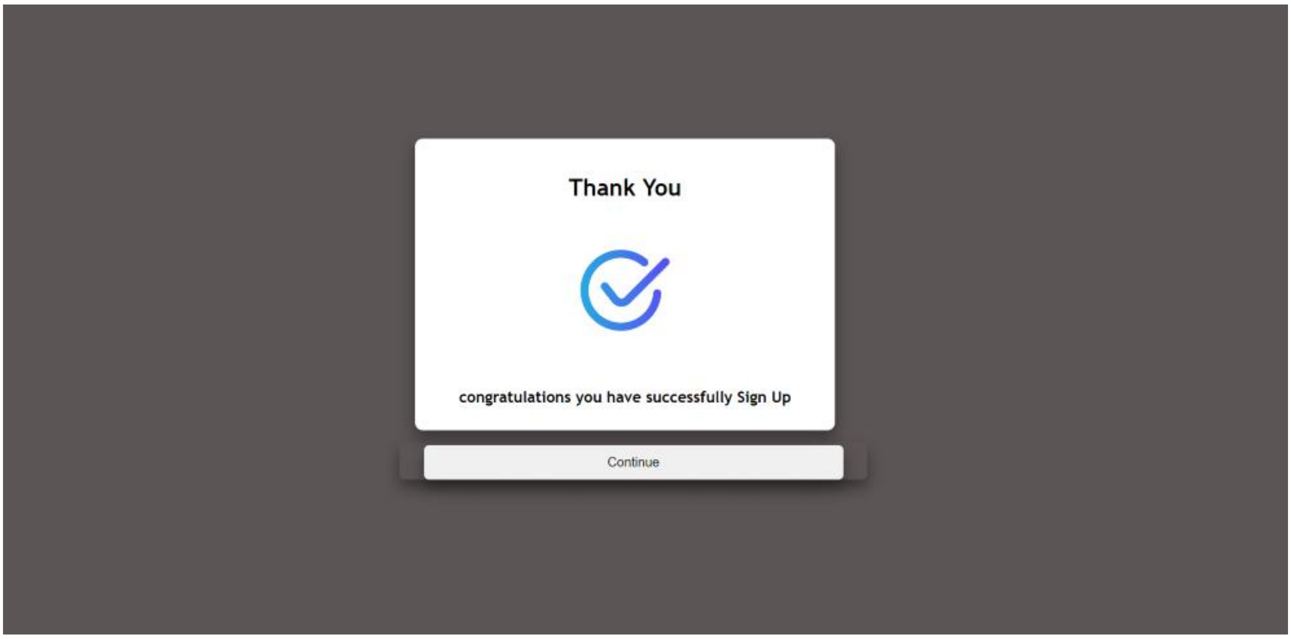
Confirm Password

Confirm Password

By clicking Agree & Join, you agree to the ABC Jobs User Agreement, Privacy Policy, and Cookie Policy.

Already on ABC Jobs?

1.1 Thank You

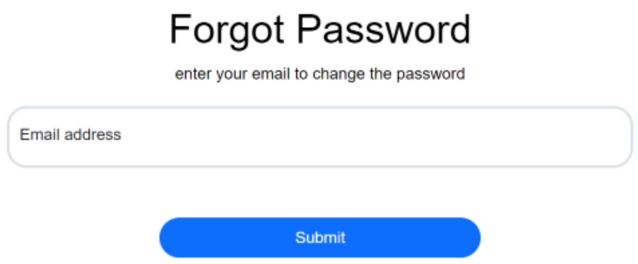


Thank You

congratulations you have successfully Sign Up

5. Develop Forget Password mechanism

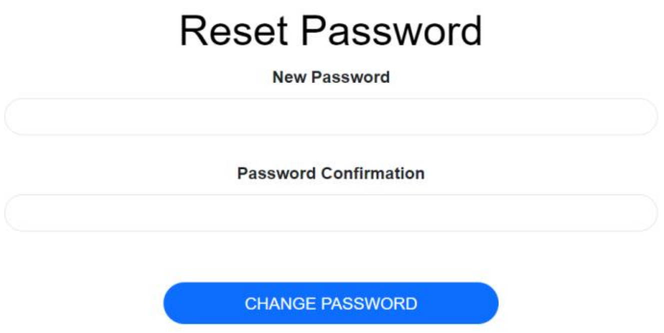
5.1 Forgot Password



Forgot Password

enter your email to change the password

5.1 Reset Password

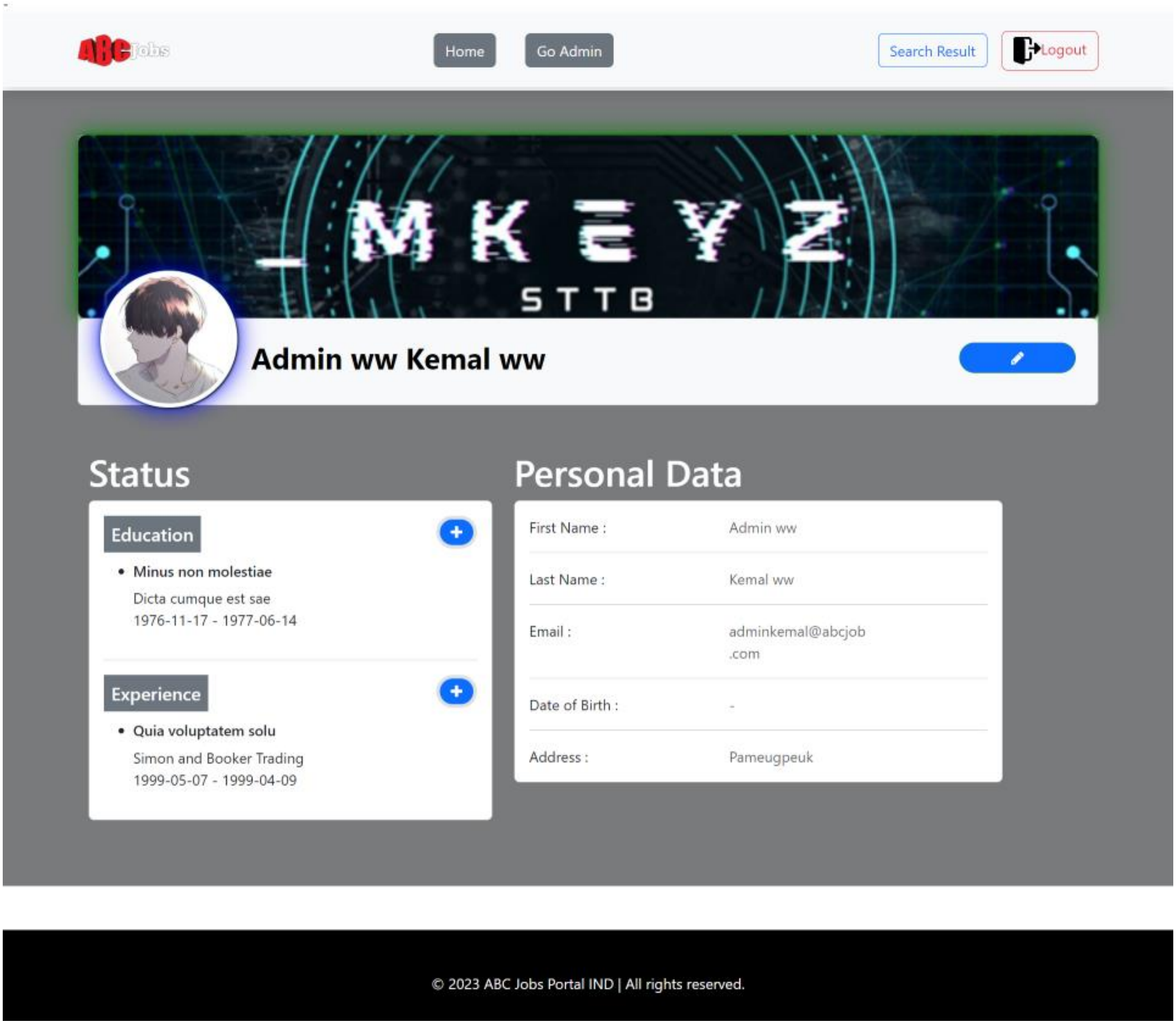


Reset Password

New Password

Password Confirmation

6. Develop Landing Page post login



Admin ww Kemal ww

Status

Education

- Minus non molestiae

Dicta cumque est sae
1976-11-17 - 1977-06-14

Experience

- Quia voluptatem solu

Simon and Booker Trading
1999-05-07 - 1999-04-09

Personal Data

First Name :	Admin ww
Last Name :	Kemal ww
Email :	adminkemal@abcjob .com
Date of Birth :	-
Address :	Pameugpeuk

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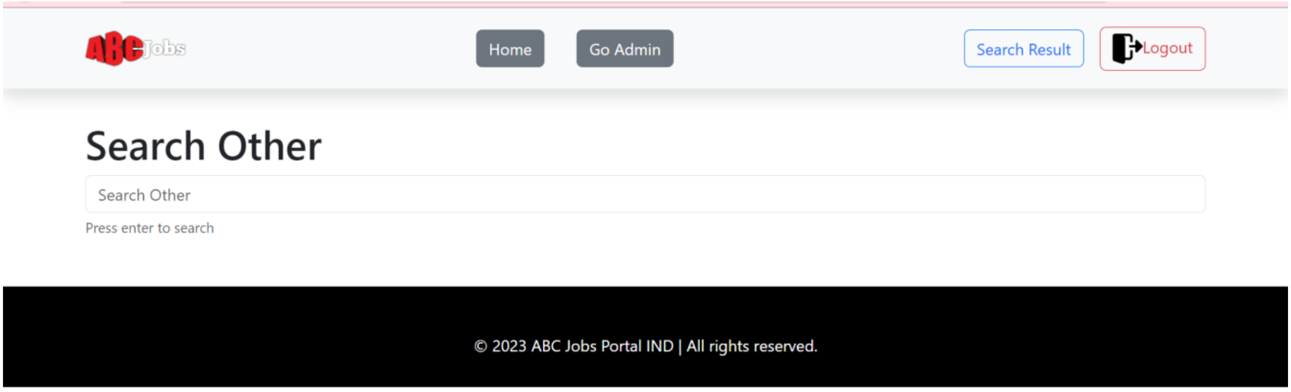
7. Develop Search Box for Users



Search Other

Search Other

Press enter to search

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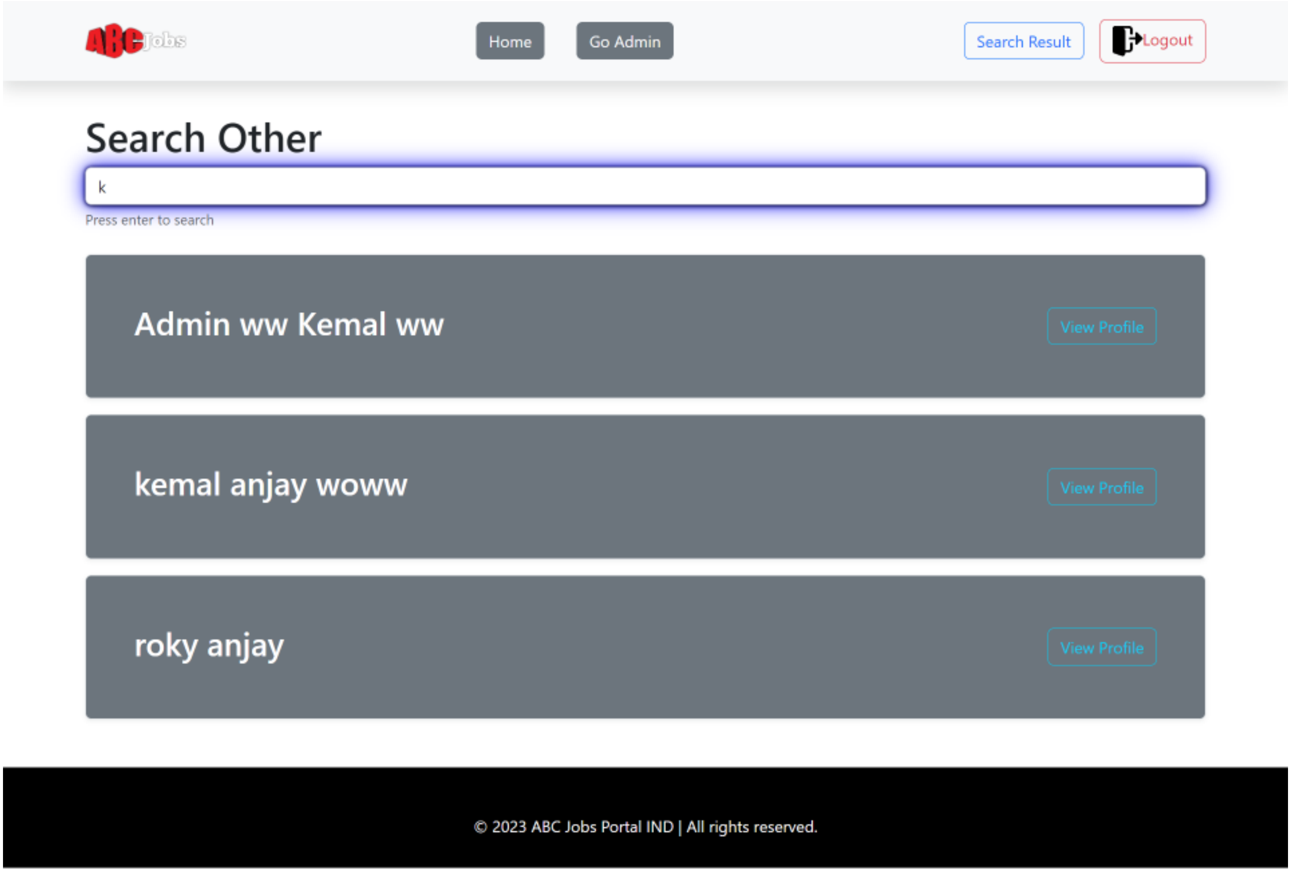
8. Develop View Search Results



Search Other

k

Press enter to search

Admin ww Kemal ww

kemal anjay woww

roky anjay

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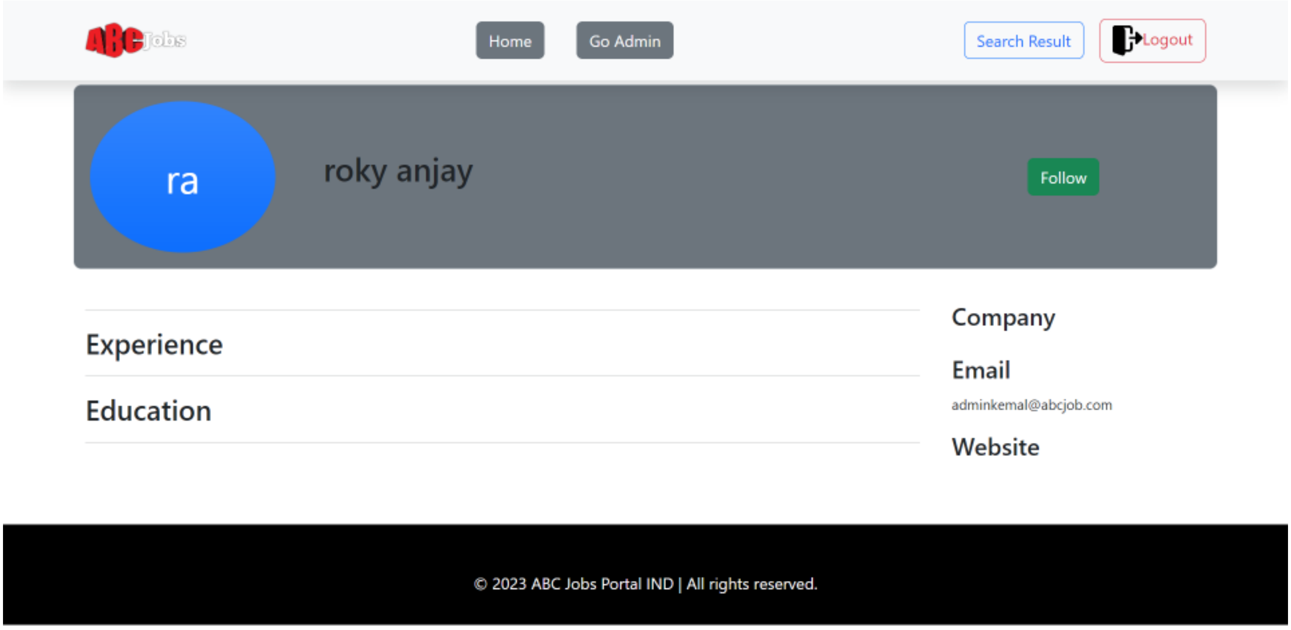
9. Develop View Other Profile Page



roky anjay

Experience

Education

Company

Email

adminkemal@abcjob.com

Website

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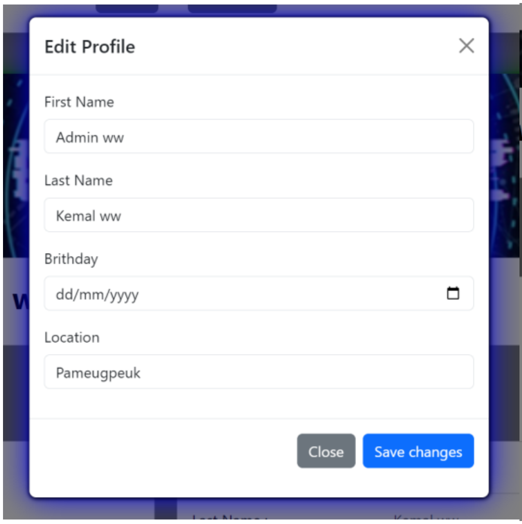
10. Develop Edit Profile Functionality



Edit Profile

First Name

Admin ww

Last Name

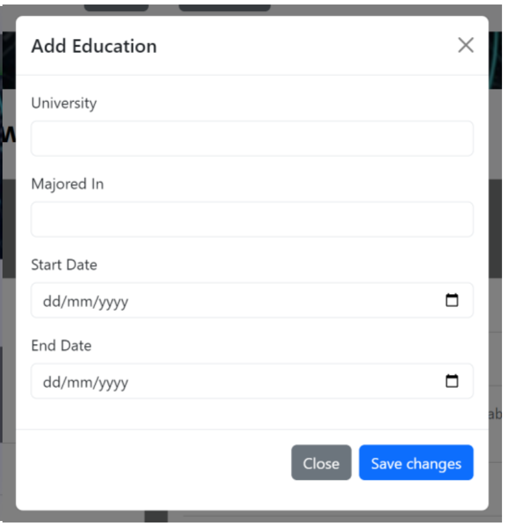
Kemal ww

Brithday

dd/mm/yyyy

Location

Pameugpeuk



Add Education

University

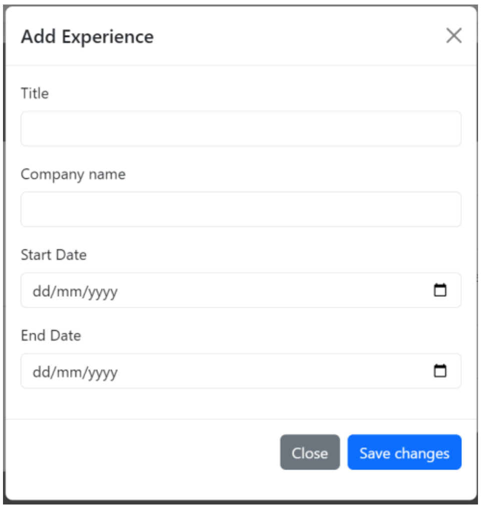
Majored In

Start Date

dd/mm/yyyy

End Date

dd/mm/yyyy



Add Experience

Title

Company name

Start Date

dd/mm/yyyy

End Date

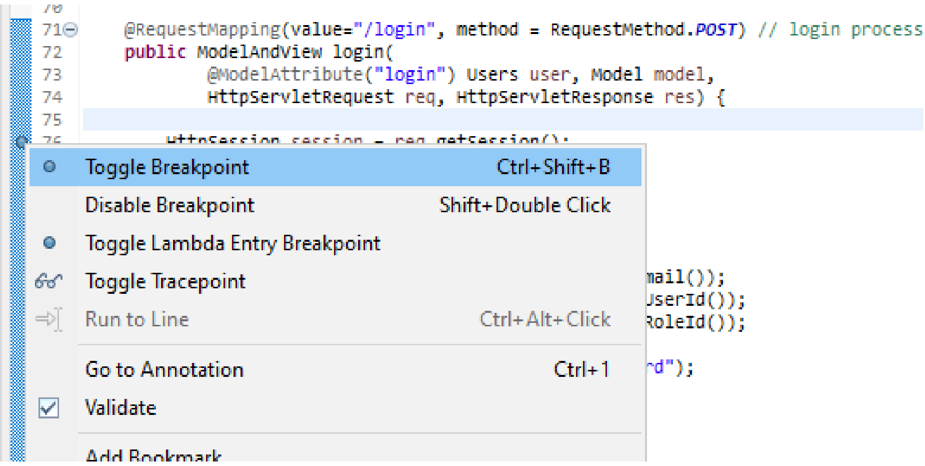
dd/mm/yyyy

10. Task 8

Task Statement:

1. Debug the application in Eclipse. Provide the screen capture of your application code in Eclipse Debug Mode include it as part of Project Presentation

1.1 Set Toggle Breakpoint

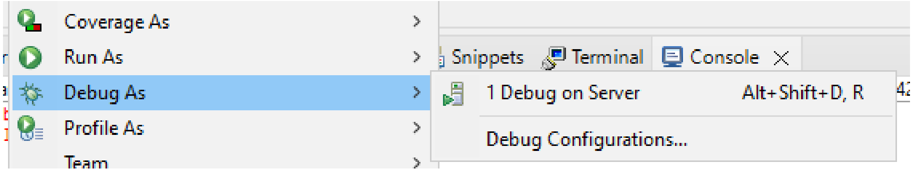


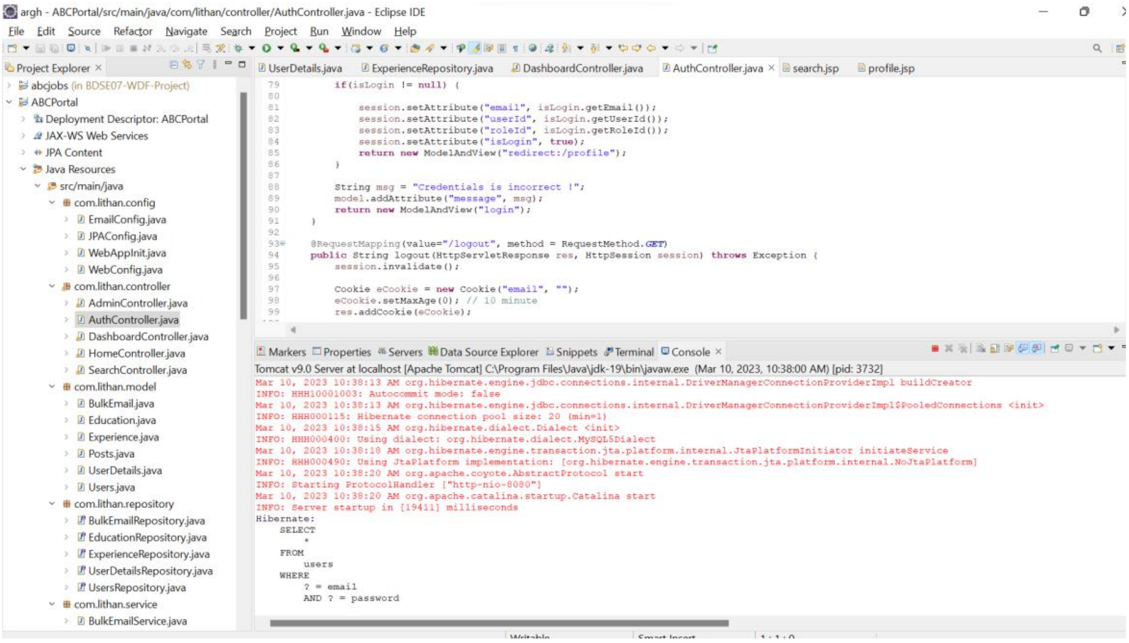
```
@RequestMapping(value="/login", method = RequestMethod.POST) // login process
public ModelAndView login(
        @ModelAttribute("login") Users user, Model model,
        HttpServletRequest req, HttpServletResponse res) {

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

Toggle Breakpoint Ctrl+Shift+B
Disable Breakpoint Shift+Double Click
Toggle Lambda Entry Breakpoint
Toggle Tracepoint
Run to Line Ctrl+Alt+Click
Go to Annotation Ctrl+1
Validate
Add Bookmark
mail());
UserId());
RoleId());
rd");

1.2 Debug on server





```
        if(isLogin != null) {

            session.setAttribute("email", isLogin.getEmail());
            session.setAttribute("userId", isLogin.getUserId());
            session.setAttribute("roleId", isLogin.getRoleId());
            session.setAttribute("isLogin", true);
            return new ModelAndView("redirect:/profile");
        }

        String msg = "Credentials is incorrect !";
        model.addAttribute("message", msg);
        return new ModelAndView("login");
    }

    @RequestMapping(value="/logout", method = RequestMethod.GET)
    public String logout(HttpServletResponse res, HttpSession session) throws Exception {
        session.invalidate();

        Cookie eCookie = new Cookie("email", "");
        eCookie.setMaxAge(0); // 10 minute
        res.addCookie(eCookie);
```

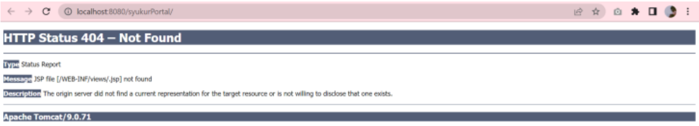
```
Tomcat v9.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-19\bin\javaw.exe  (Mar 10, 2023, 10:38:00 AM) [pid: 3732]
Mar 10, 2023 10:38:13 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001003: Autocommit mode: false
Mar 10, 2023 10:38:13 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl$PooledConnections <init>
INFO: HHH000115: Hibernate connection pool size: 20 (min=1)
Mar 10, 2023 10:38:15 AM org.hibernate.dialect.Dialect <init>
INFO: HHH000400: Using dialect: org.hibernate.dialect.MySQL5Dialect
Mar 10, 2023 10:38:18 AM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService
INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
Mar 10, 2023 10:38:20 AM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8080"]
Mar 10, 2023 10:38:20 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in [19411] milliseconds
Hibernate:
    SELECT
        *
    FROM
        users
    WHERE
        ? = email
        AND ? = password
```

11. Task 9

Task Statement:

1. Provide screen capture of 3 Errors you encountered while developing the application.
2. Include it as part of Project Presentation

Solution

Error	**Error handling (Solution)**
 localhost:8080/syukurPortal/ HTTP Status 404 – Not Found Type Status Report Message JSP file [/WEB-INF/views/.jsp] not found Description The origin server did not find a current representation for the target resource or is not willing to disclose that one exists. Apache Tomcat/9.0.71	The error message "JSP file [/WEB-INF/views/.jsp] not found" indicates that the server cannot find the specified JSP file in the specified location. The most likely cause of this error is that the file path or name is incorrect or the file has been moved or deleted. The file path /WEB-INF/views/ is a common location for JSP files in a Java web application, and the ".jsp" extension is the file type for JSP files. The error message indicates that the server is looking for a JSP file but cannot find it at the specified location.

12. Task 10

Task Statement:

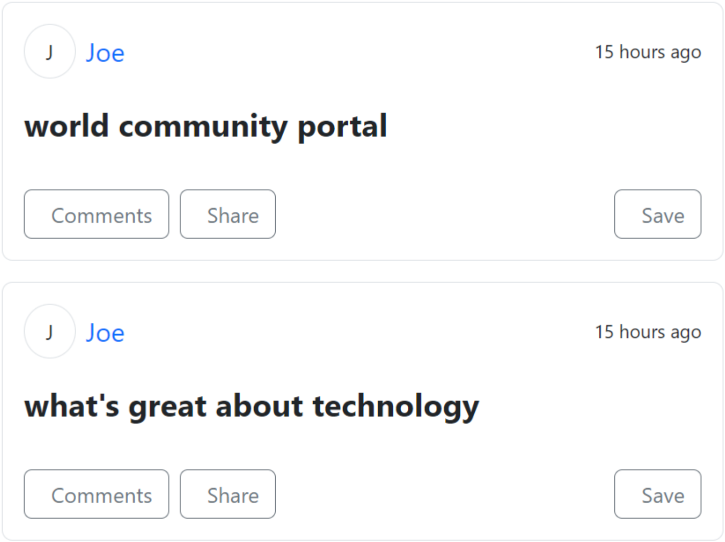
1. Propose & Document a New feature to the application

   1.1 Button to like, comment and save
   1.2 Button to follow

Solution

2. Develop the new feature and provide a report.

Button to like, comment and save



J Joe 15 hours ago

world community portal

J Joe 15 hours ago

what's great about technology

3. Include it as part of Project Report

13. Task 11

Task Statement:

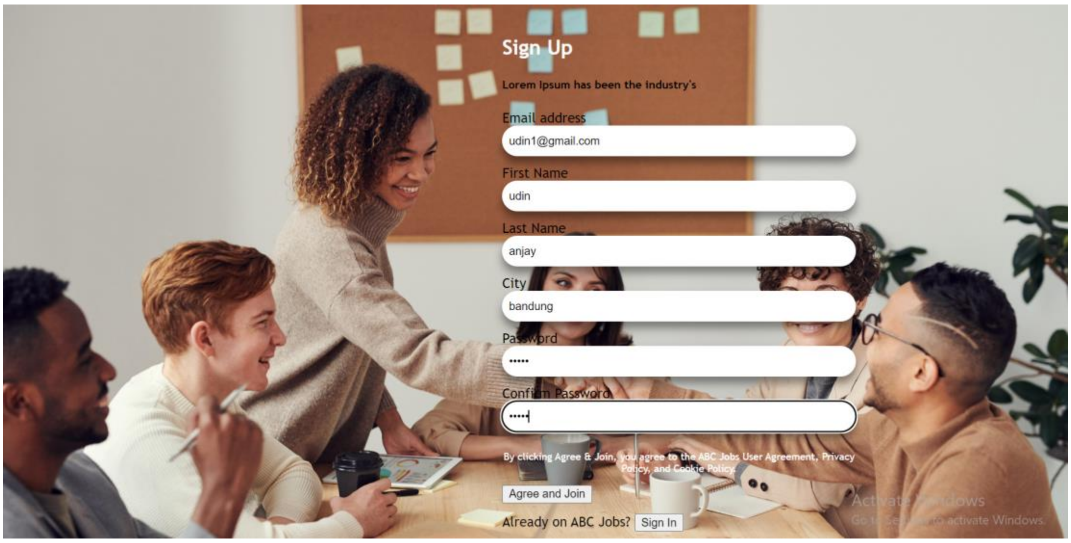
Provide Unit Testing code & screen capture of Eclipse IDE in debug mode.

Solution

- Test Scenario

Requirements	Test Scenario ID	Test Scenario	Number of test cases
Functional Testing	TS001-UAT testing	Verify that users can validate their email and register their information.	1
	TS002-UAT testing	Verify the website's ability to change passwords.	1

Scenario ID	Test Case ID	Test Case	Preconditions	Test Step	Test Data	Expected Results	Actual Results	Pass / Fail
TS001	UAT C01	Verify that the signup and email confirmation are operational.	1. The website is designed and developed 2.Unit testing and system testing is done 3.All the major errors has resolved and documented 4.The website is configured to Google Chrome by Apache Tomcat Server.	1. Go to Google Chrome. 2. Enter URL www.ABC Portal.com 3. Click "Sign Up"in website home page 4. Enter all fields and submit 5. Click confirmation	First Name= Udin Last Name= Anjay City = Seattle Email= udin1@gmail.com Password="udin1"	User should land to login page	As expected,	Pass



Sign Up

Lorem Ipsum has been the Industry's

Email address: udin1@gmail.com

First Name: udin

Last Name: anjay

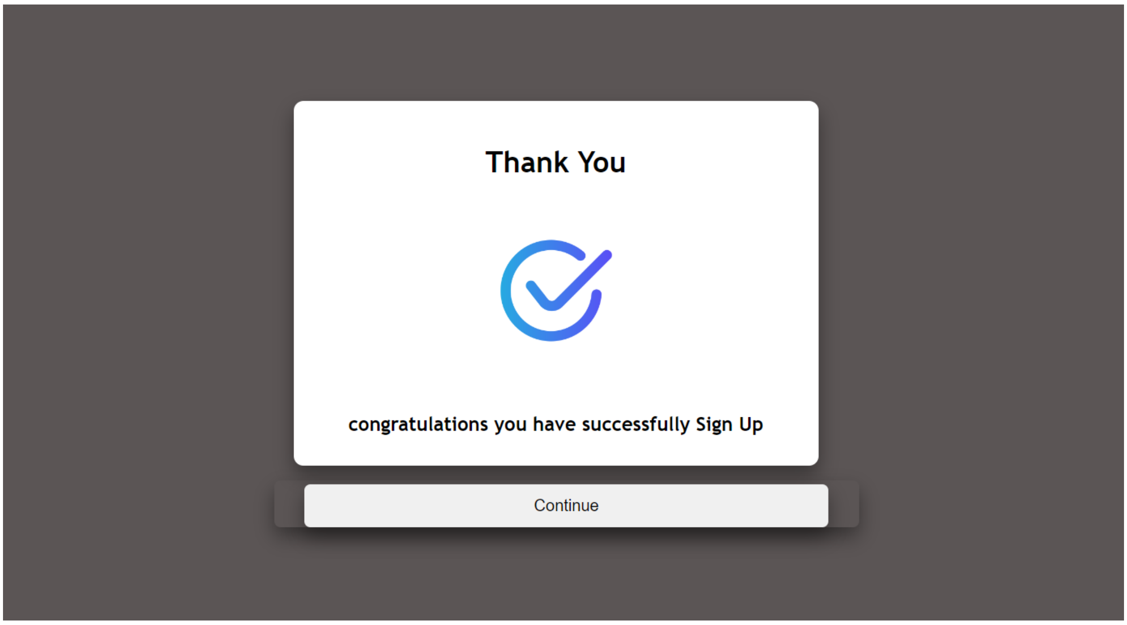
City: bandung

Password: •••••

Confirm Password: •••••

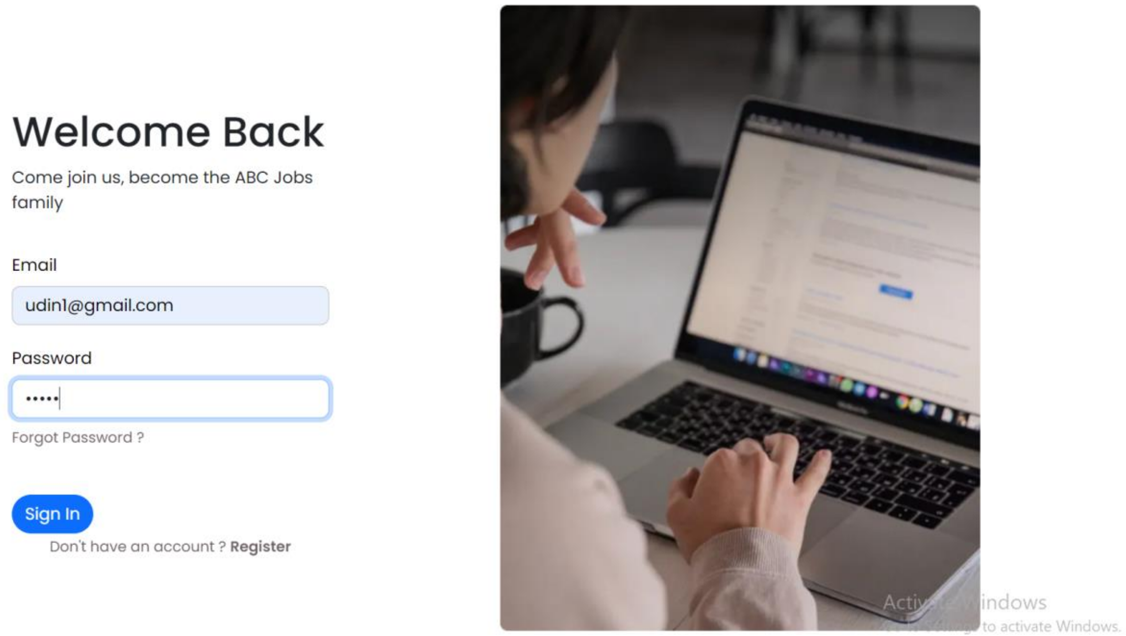
By clicking Agree & Join, you agree to the ABC Jobs User Agreement, Privacy Policy, and Cookie Policy.

Already on ABC Jobs?



Thank You

congratulations you have successfully Sign Up



Welcome Back

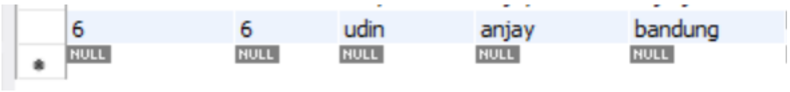
Come join us, become the ABC Jobs family

Email: udin1@gmail.com

Password: •••••

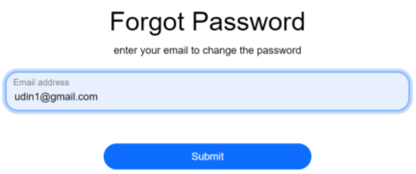
Forgot Password ?

Don't have an account ? Register



	6	6	udin	anjay	bandung
*	NULL	NULL	NULL	NULL	NULL

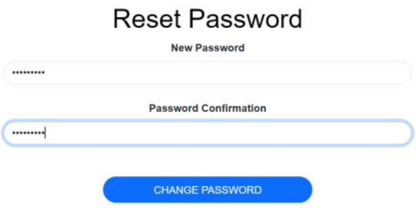
Scenario ID	Test Case ID	Test Case	Preconditions	Test Step	Test Data	Expected Results	Actual Results	Pass / Fail
TS002	UAT C02	Check that password functionality is working correctly	1. The website is designed and developed 2.Unit testing and system testing is done 3.All the major errors has resolved and documented 4.The website is configured to Google Chrome by Apache Tomcat Server. 5. User has successfully registered and login to the website	1. Go to Google Chrome. 2. Enter URL www.ABC Portal.com 3. Click "Sign in" in website home page 4. Click "Forgot Password ?" in the Login Page 5. Enter registered email Enter new password	Registered email = Udin1@gmail.com Old password = "udin1" New password = udinanjay	User should land to login page and login with new passwor	As expected,	Pass



Forgot Password

enter your email to change the password

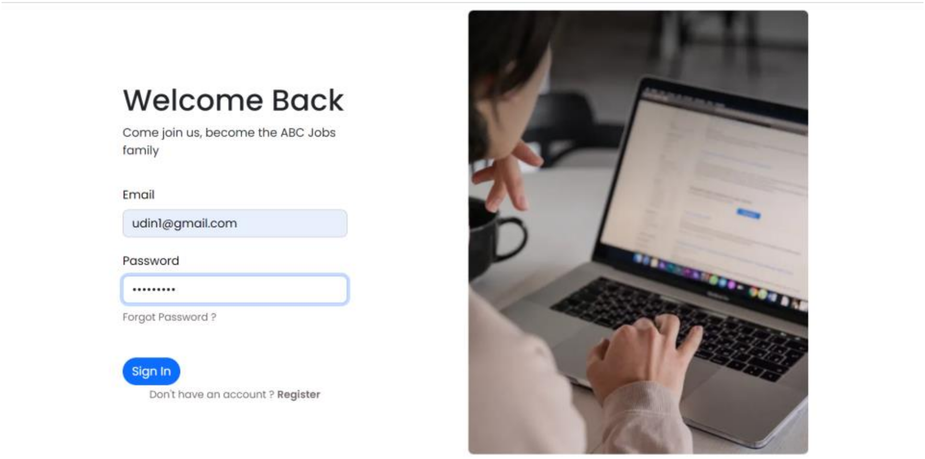
Email address
udin1@gmail.com



Reset Password

New Password
•••••••••

Password Confirmation
•••••••••



Welcome Back

Come join us, become the ABC Jobs family

Email
udin1@gmail.com

Password
•••••••••