

*Assignment 2(Group Assignment)*  
*Fall 2024*  
*Instructor: Faisal Khan*

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1-Use Documentation Comments where needed and use Javadoc to create HTML files for documentation.

2-In your project src folder add this word document with all your group members names and paste the screen shots of your output after each question.

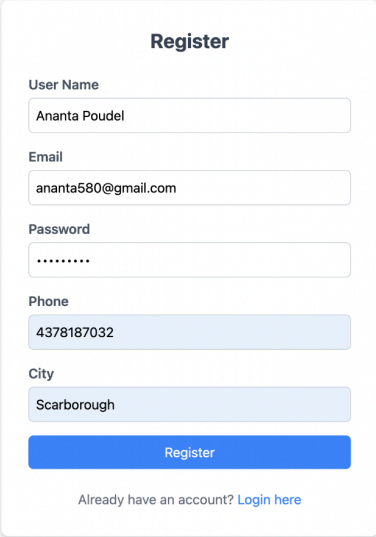
2-Right Click on your Project Folder in Eclipse, Copy Option is available. Create a copy of the Project and upload the zipped folder using Moodle.

Create a Login and Sign up Application using JSPs and Servlets with mysql as database.

Your Application should display a main page for Login and a Link for new User Signup. 15

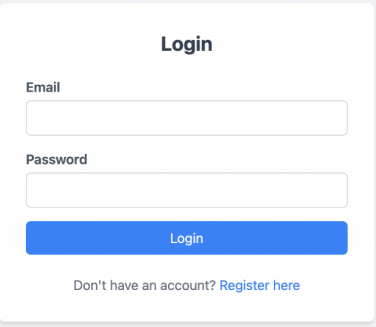
The screenshot shows a web application interface. At the top, there is a header bar with the text "Welcome to Our App" on the left and two buttons, "Login" (blue) and "Register" (green), on the right. Below the header, the main content area has a light gray background. In the center, there is a section titled "Join Us Today" in bold. Below this title, a line of text reads "Register or login to get started with our amazing platform." Underneath this text are two buttons: "Create an Account" (green) and "Already Have an Account? Login" (blue). Below these buttons is a yellow rectangular box containing a "Note:" followed by the text "This platform is for users who wish to register and login to access personalized services. Enjoy a simple and secure authentication experience." At the bottom of the page, there is a dark blue footer bar with the text "© 2024 Login & Register App. All rights reserved."

On Signup page display a form to enter user details Like UserName , Password , Email , Contact and City. 15



The image shows a 'Register' form on a light purple background. The form is white with a blue border. It contains the following fields: 'User Name' with the value 'Ananta Poudel', 'Email' with the value 'ananta580@gmail.com', 'Password' with masked characters '.....', 'Phone' with the value '4378187032', and 'City' with the value 'Scarborough'. Below the fields is a blue 'Register' button. At the bottom of the form, there is a link: 'Already have an account? [Login here](#)'.

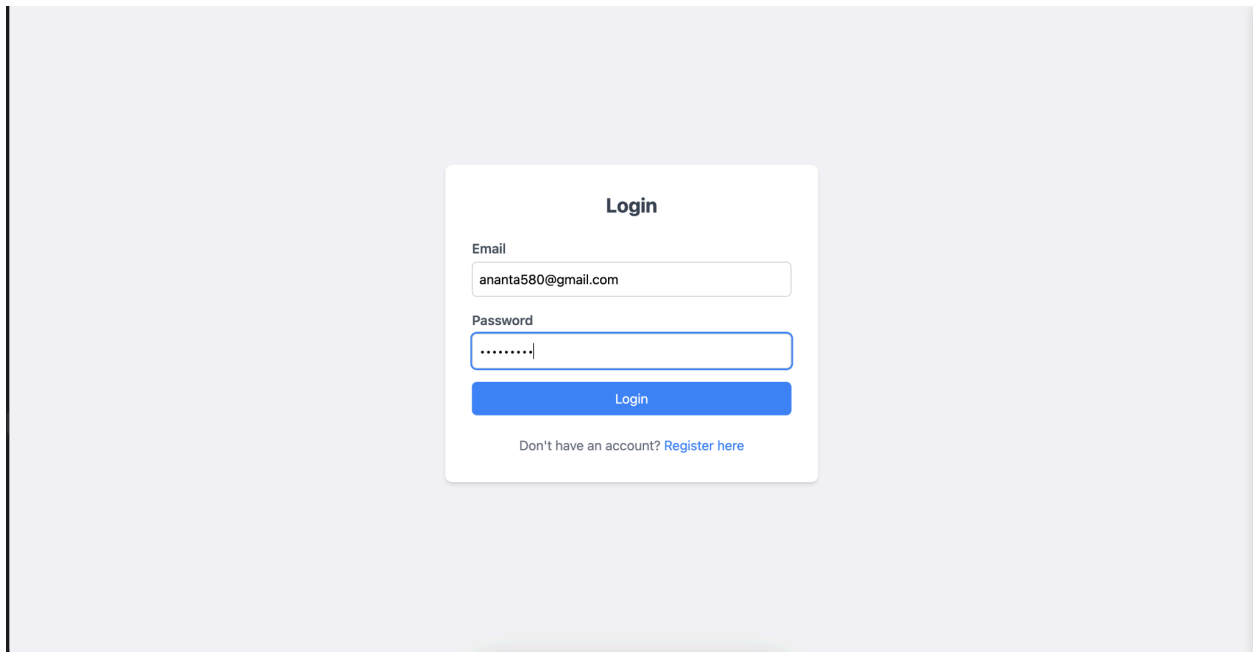
Once a user Signup is completed ,display a success message  
and send the user to Login Page. 15



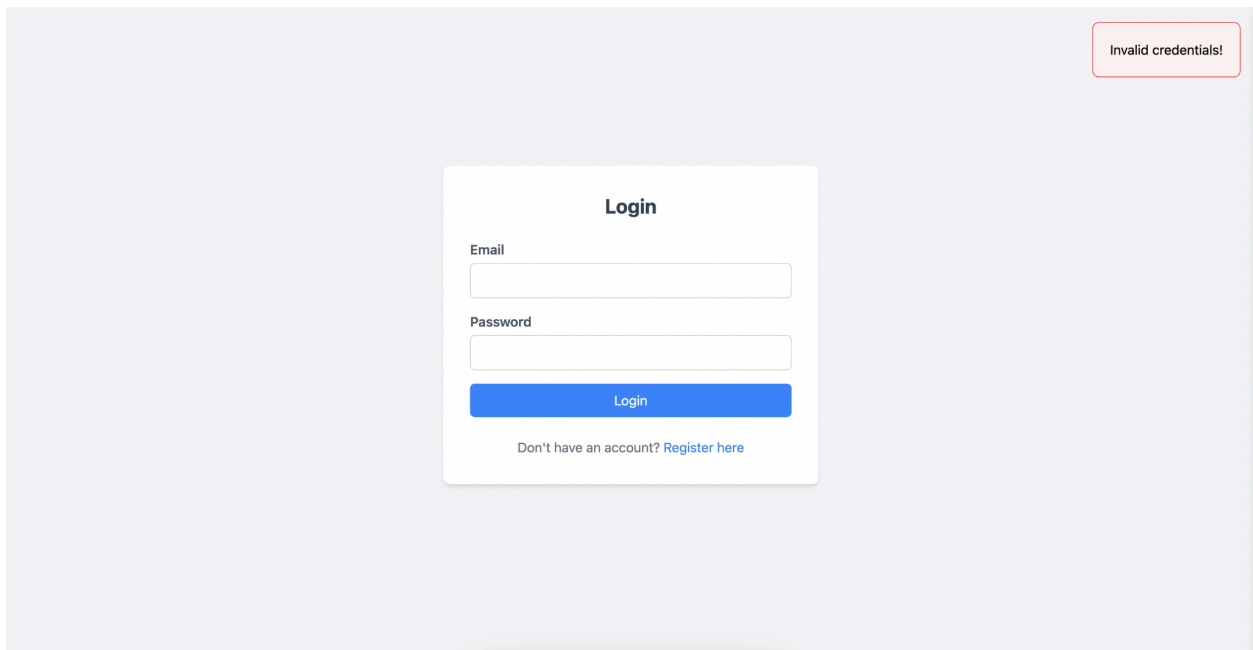
The image shows a 'Login' form on a light purple background. In the top right corner, there is a green success message box that says 'User registered successfully!'. The 'Login' form is white with a blue border. It contains the following fields: 'Email' and 'Password'. Below the fields is a blue 'Login' button. At the bottom of the form, there is a link: 'Don't have an account? [Register here](#)'.

If the User Name and Password are validated from database

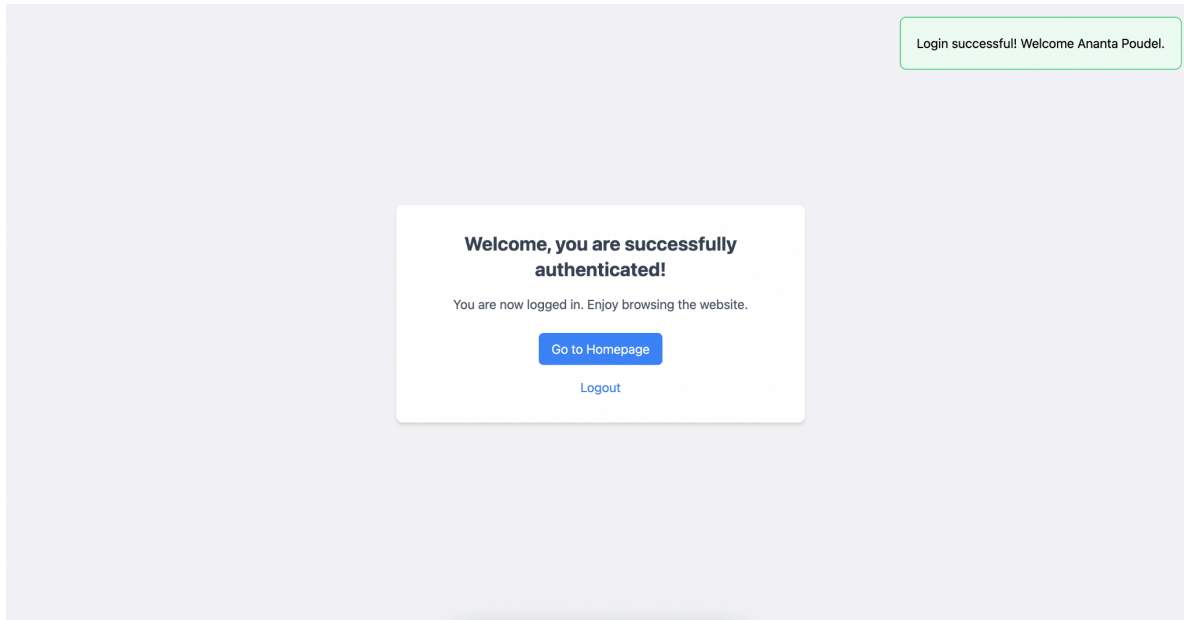
Display a login success message and display the success page. 15



A login form titled "Login" is centered on a light gray background. The form contains two input fields: "Email" with the value "ananta580@gmail.com" and "Password" with masked characters ".....". Below the fields is a blue "Login" button. At the bottom of the form, there is a link: "Don't have an account? [Register here](#)". A green message box at the top of the form displays "Login successful! Redirecting you to the success page."

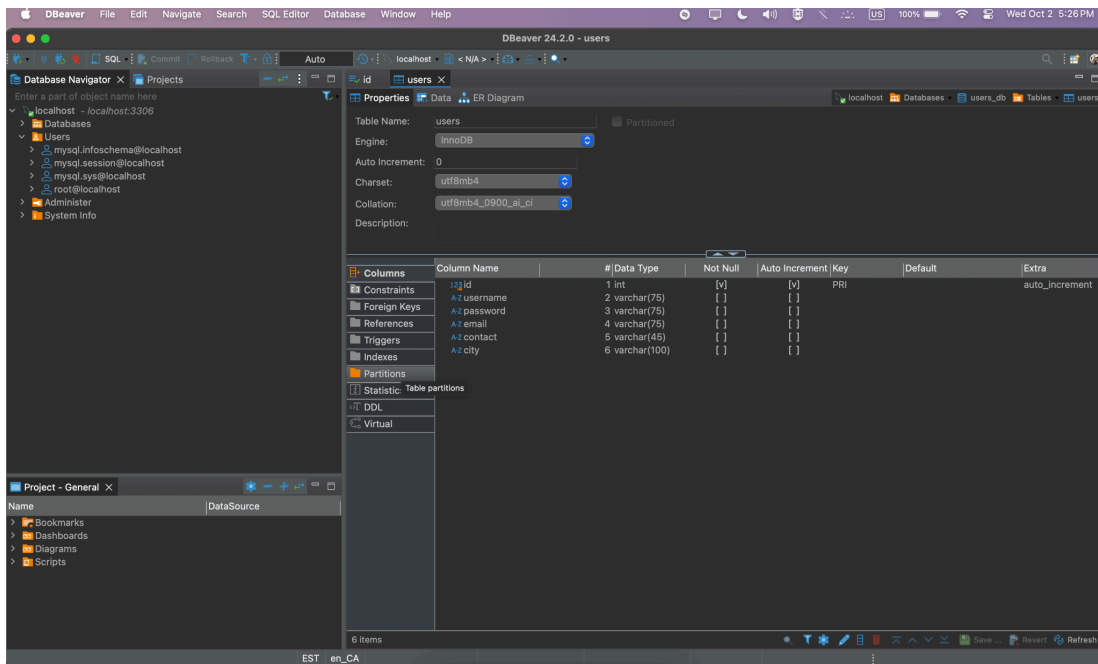


A login form titled "Login" is centered on a light gray background. The form contains two empty input fields: "Email" and "Password". Below the fields is a blue "Login" button. At the bottom of the form, there is a link: "Don't have an account? [Register here](#)". A red message box at the top right of the form displays "Invalid credentials!"



Create a database named Users and create a table named User With the fields like UserName ,Password , Email ,Contact and City.

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Create a Dao Class for saving and validating User Records and a Model class User with fields like UserName ,Password, Email ,Contact and City.

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```
public int registerUser(User user) { 1 usage  ▲ Ananta Poudel
    int status = 0;
    Connection con = setupConnection();
    String sql = "Insert into users(username ,password, email, contact, city) values(?,?,?,?,?)";
    try {
        PreparedStatement ps = con.prepareStatement(sql);
        ps.setString( parameterIndex: 1, user.getUsername());
        ps.setString( parameterIndex: 2, user.getPassword());
        ps.setString( parameterIndex: 3, user.getEmail());
        ps.setString( parameterIndex: 4, user.getPhone());
        ps.setString( parameterIndex: 5, user.getCity());
        status = ps.executeUpdate();
        if (status > 0) {
            System.out.println("User registered successfully");
            return 1;
        } else {
            System.out.println("Query Failed");
        }
    } catch (SQLException e) {
        throw new RuntimeException(e);
    }
    return status;
}
```

```
47 public User loginUser(String email, String password) { 1 usage  ▲ Ananta Poudel
48     User result = null;
49     Connection con = setupConnection();
50     String sql = "select * from users where email=? and password=?";
51
52     try {
53         PreparedStatement ps = con.prepareStatement(sql);
54         ps.setString( parameterIndex: 1, email);
55         ps.setString( parameterIndex: 2, password);
56         ResultSet rs = ps.executeQuery();
57         while (rs.next()) {
58             result = new User(
59                 rs.getInt( columnLabel: "id"),
60                 rs.getString( columnLabel: "username"),
61                 rs.getString( columnLabel: "password"),
62                 rs.getString( columnLabel: "email"),
63                 rs.getString( columnLabel: "contact"),
64                 rs.getString( columnLabel: "city")
65             );
66         }
67     } catch (SQLException e) {
68         throw new RuntimeException(e);
69     }
70     return result;
71 }
72 }
73 }
```