Lambton College In Toronto

CSD_4464_4_Fall_2024
Programming Java EE

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.

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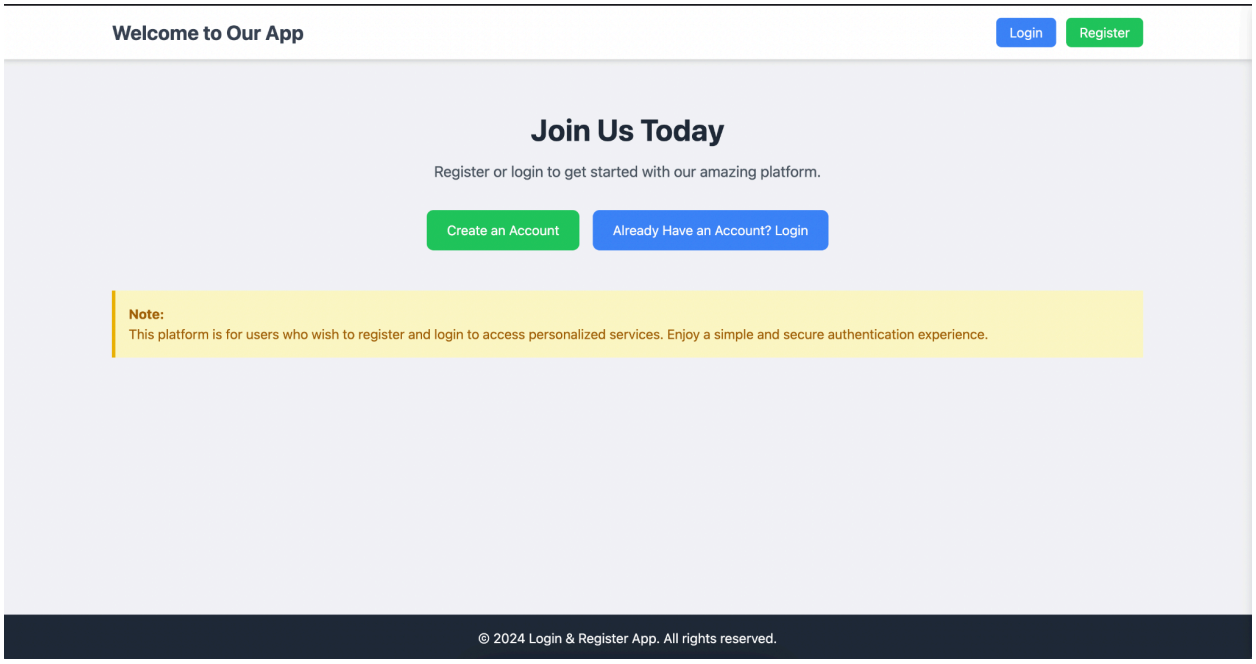
Create a Login and Sign up Application using JSPs and Servlets with mysql as database.

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



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

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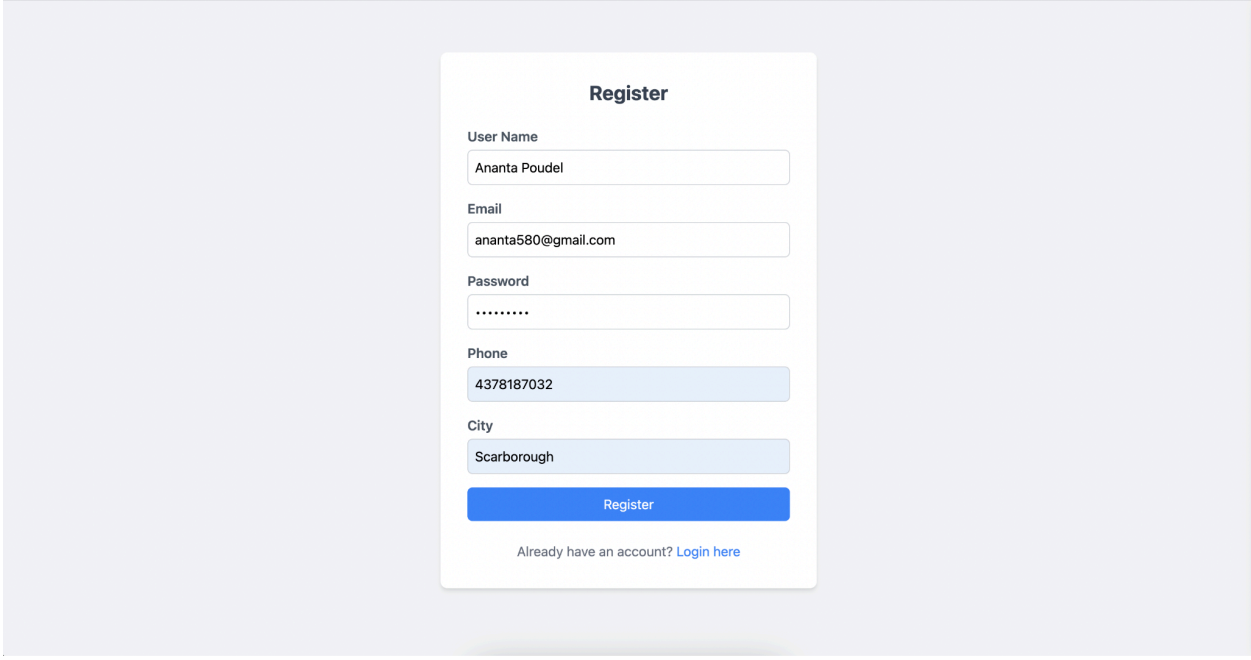
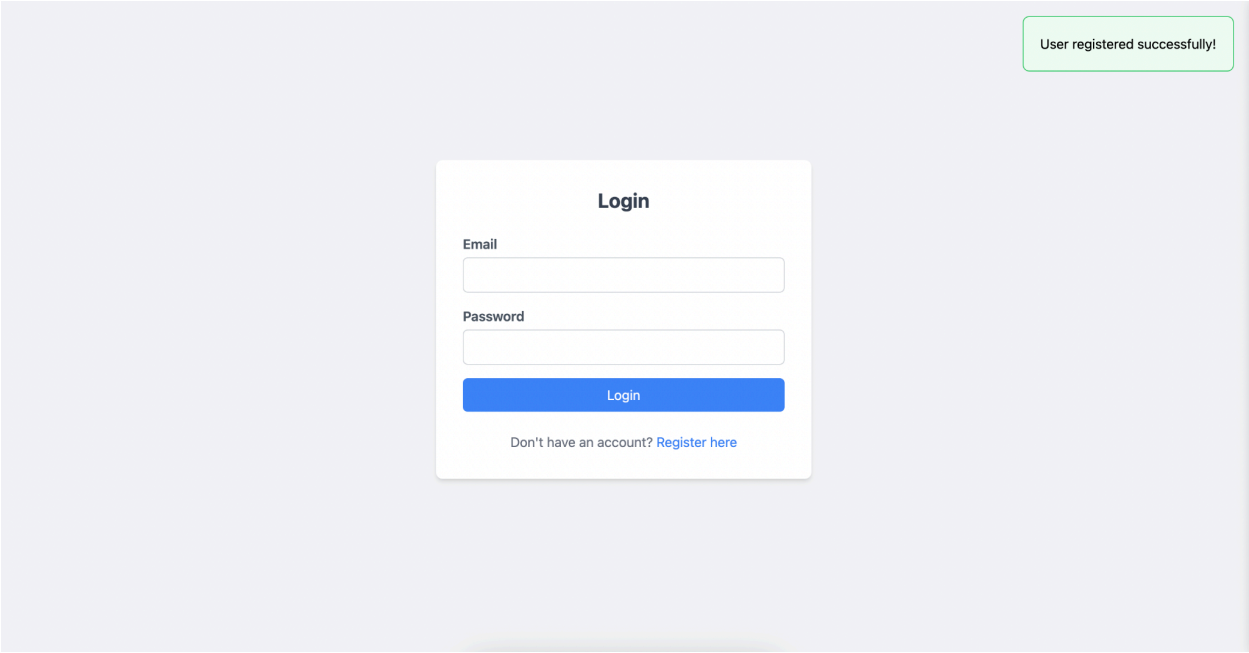


Once a user Signup is completed ,display a success message and send the user to Login Page. 15



If the User Name and Password are validated from database

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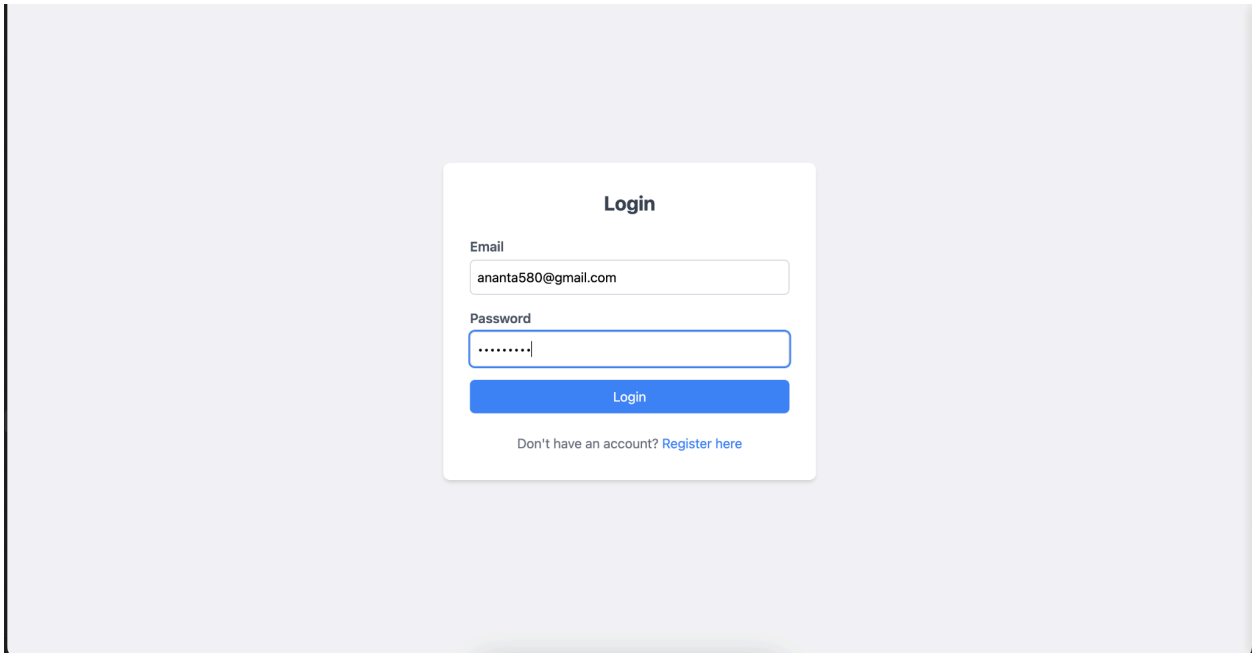
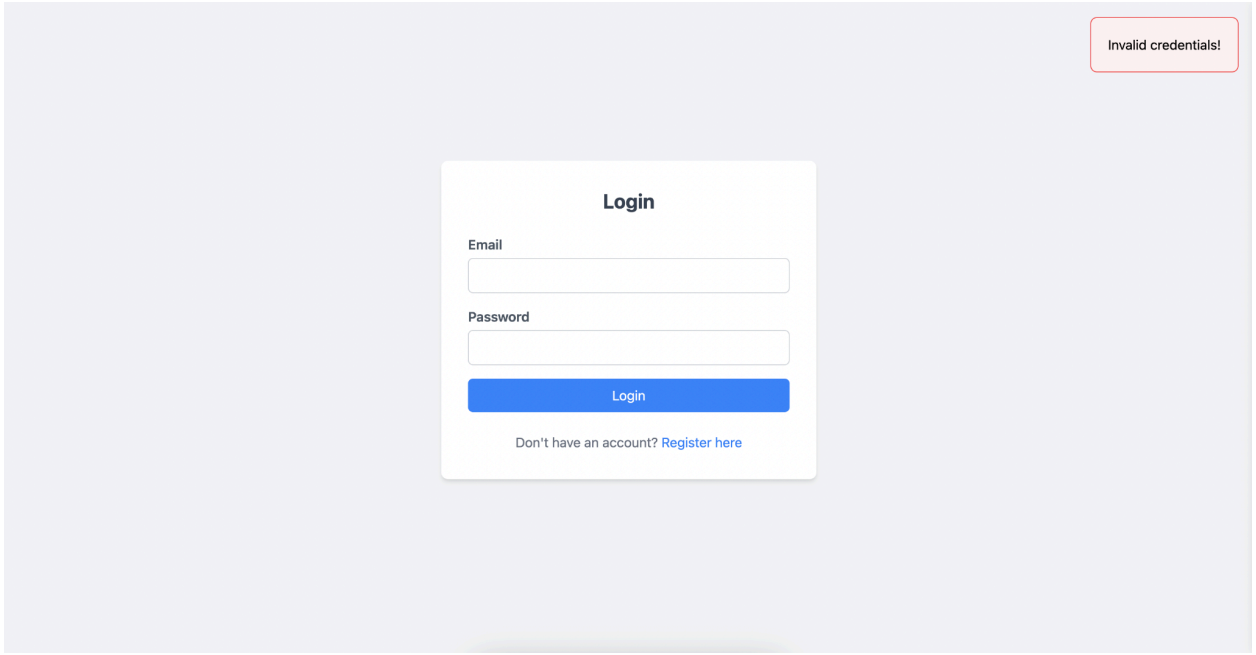
Display a login success message and display the success page. 15





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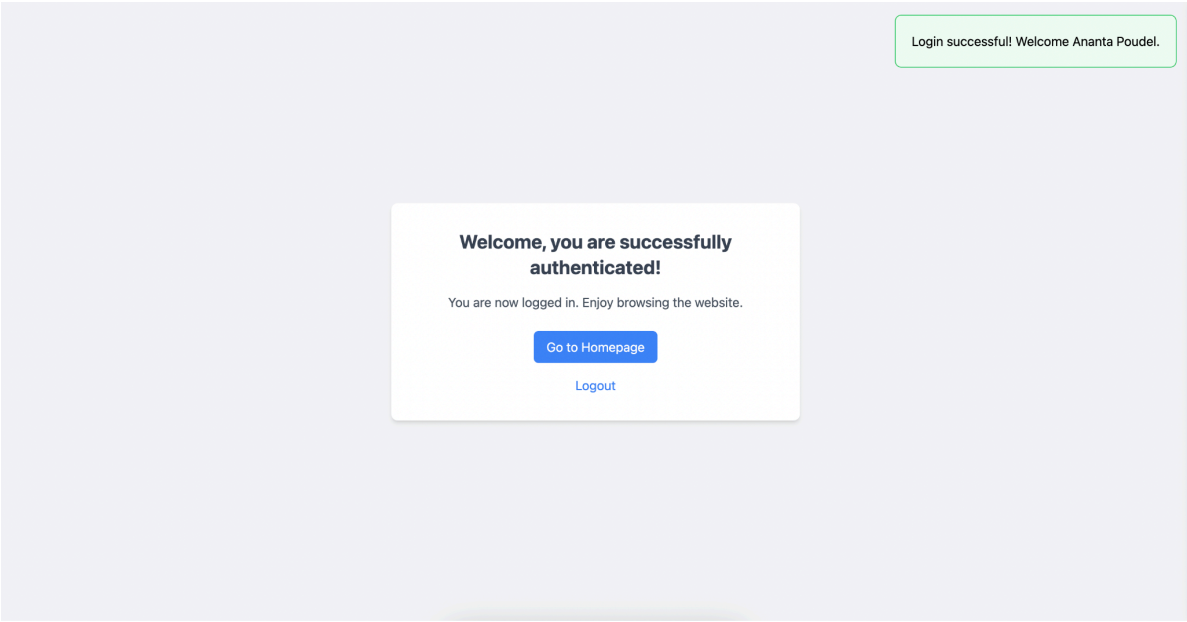
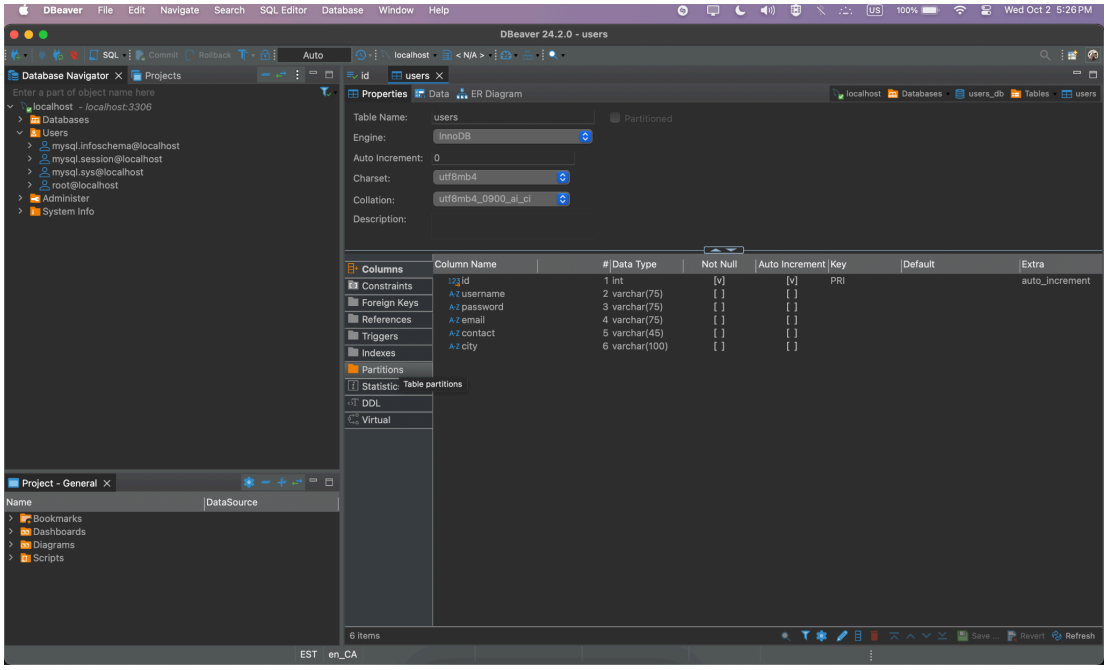


Create a database named Users and create a table named User With the fields like UserName ,Password , Email ,Contact and City. 15



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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. 25

```java
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;
}
```

```java
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
```

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