

Submission has two zip files and they are:

WebApplication5.zip which is the web application containing all jsp and servlets.

ishtiaq.zip is the Database. DB name is Ishtiaq. The username and password are IS2560 and IS2560 respectively. Database has two tables, Login and Student.

There are 5 jsp files, 4 servlets and a bean. Five jsp files are as follows:

1. index.jsp- This is a login page where user can enter User Name which should be an email address, Password and Name. If the user is new there is a link saying "New user register" for user to register first on directing to Register.jsp. Once you register come back to the login page (index.jsp), enter your details and click on "LOB IN" button. Below is the screen shot of the Login page.



Welcome!

Username	<input type="text"/>
Password:	<input type="password"/>
Name:	<input type="text"/>
<input type="button" value="LOG IN"/> New user register	

To test you can enter harrison@yahoo.com in the Username, harrison as Password and Harrison as Name to log in. To fetch data from the DB the index.jsp uses Login.java servlet as action. Login.java executes a select query.

2. Register.jsp- For new users the index.jsp directs to the Registration Page which is Register.jsp. It contains all the below fields to be filled. For Email validation I have used a javascript using Regular expression pattern. Once you fill out the registration form and push submit button and javascript will validate the email address and if passed the next page says "You are connected to the database. Go back to the index page through registration page". When you receive this message at the top of the page click on back button to go back to the Register.jsp and click on the link on the left side of the page which says "Go to Login Page". On clicking this link it will take you to index.jsp where you can enter the Login details you just entered for registration. Register.jsp uses registerdetails.java servlet as its action to insert all the details to the DB table Login.



Please register here

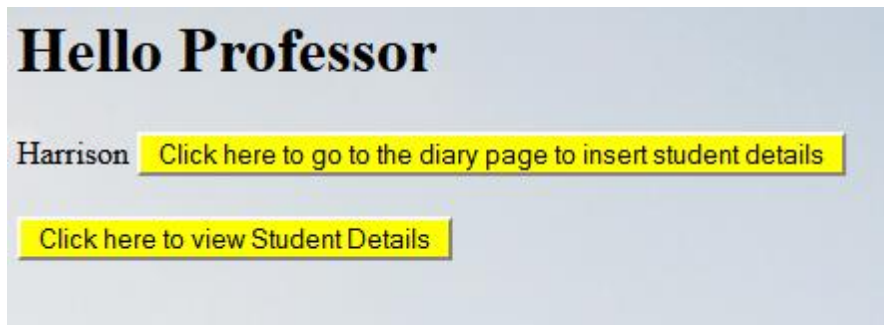
[Go to Login Page](#)

Email:	<input type="text"/>
Password:	<input type="password"/>
Name:	<input type="text"/>
Address:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
Country:	<input type="text"/>
Zip Code:	<input type="text"/>
Phone Number:	<input type="text"/>
<input type="button" value="Submit"/>	

3. selectlink.jsp- When the LOG IN button is pushed on the index.jsp page the login.java servlet using request dispatcher forwards us to selectlink.jsp. It uses a bean to get the Name of the user who logged in and displays the name. Below is the screen shot of the selectlink.jsp page. It has two links to go to:

First link- Directs you to the diary.jsp page which is a Student details diary where you can enter Student_ID, Name and scores of 5 assignments out of 10.

Second link- If the user wants to just view details of an existing Student then this link can be clicked.



4. diary.jsp- On clicking the first link on selectlink.jsp page the user can enter student details on the diary.jsp page as shown below. Once entered the user can click on Submit button to insert the details.

A screenshot of a web form titled "Insert Student Details" in a large, bold, black serif font. The form consists of a table with two columns. The first column contains labels for "Student_ID:", "Name:", "Assignment1:", "Assignment2:", "Assignment3:", "Assignment4:", and "Assignment5:". The second column contains corresponding empty text input fields. At the bottom of the form, there is a "Submit" button and a link that says "Click to go to the View Page".

Once the details are inserted the confirmation page shows the entered Student Name, Session attribute Student_ID as below

```
Requested Student Name= teststudent
Session Student_ID= 3890222
Student details are inserted
```

Click on the back button to come back to the diary.jsp page. From here if user wants to view the inserted detail or any detail which is already present in the DB then the link which says “Click to go to the View Page” can be clicked. diary.jsp uses insert.java servlet to insert student details in Student table of the DB.

5. view.jsp- is shown below. Here we can enter the Student_ID inside the box to check for the student details inserted. Once the Student_ID is inserted and the check button is pushed, the below table is displayed. view.jsp uses select.java servlet to fetch the data from Student table.

Check Student details here

Insert Student ID:

Result:

Student_ID:3890222

STUDENT_ID	3890222
NAME	teststudent
ASSIGNMENT1	10
ASSIGNMENT2	9
ASSIGNMENT3	10
ASSIGNMENT4	9
ASSIGNMENT5	10