

CS313: Lab Assignment 6

Part A

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1 Extract and import the given project

Using the given handout, we extracted and imported the project. Screenshot of the same is below:

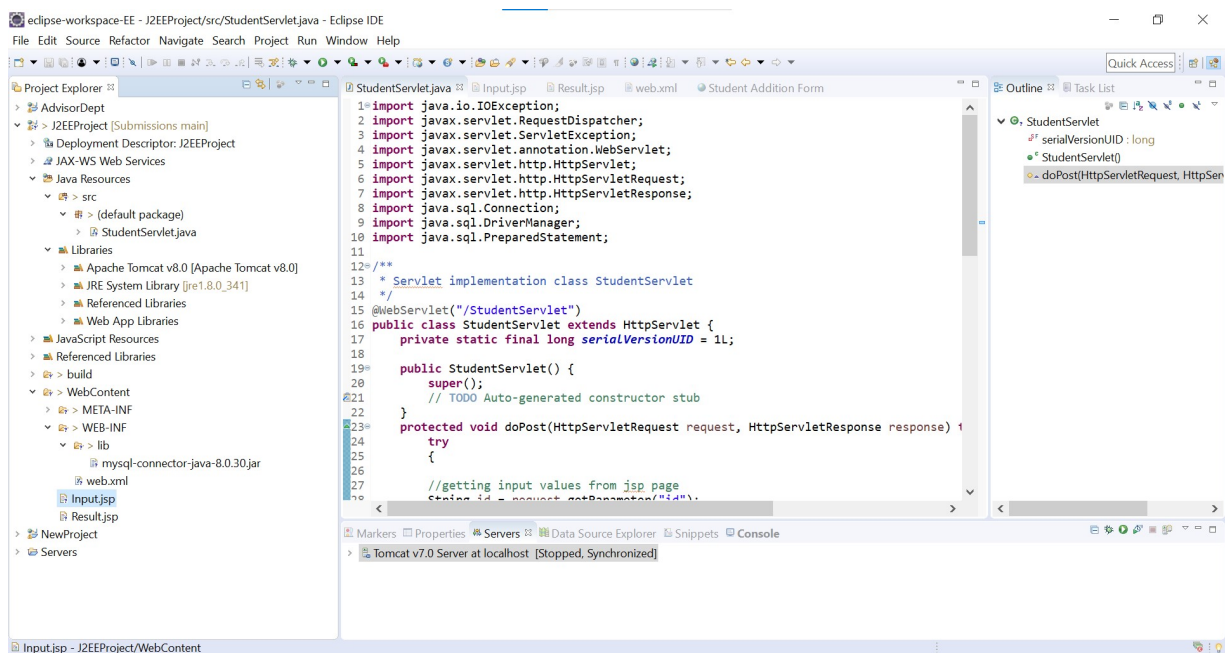
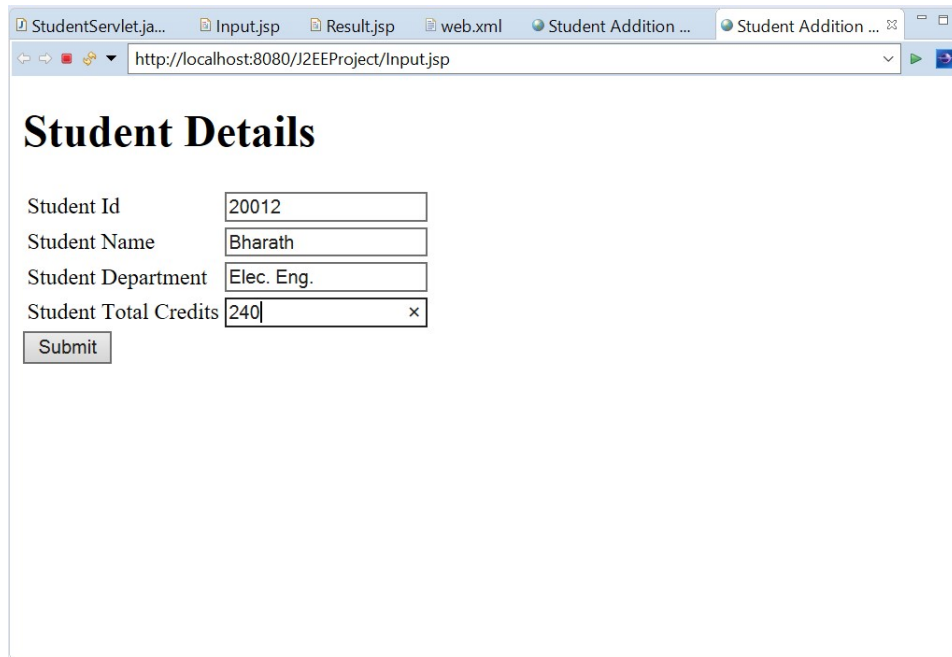


Figure 1: Project extracted and imported

2 Display the success message

The project was run, with the following input and output.



The screenshot shows a web browser window with the URL `http://localhost:8080/J2EEProject/Input.jsp`. The page title is "Student Details". The form contains the following fields and values:

Field	Value
Student Id	20012
Student Name	Bharath
Student Department	Elec. Eng.
Student Total Credits	240

Below the fields is a "Submit" button.

Figure 2: Input to the form

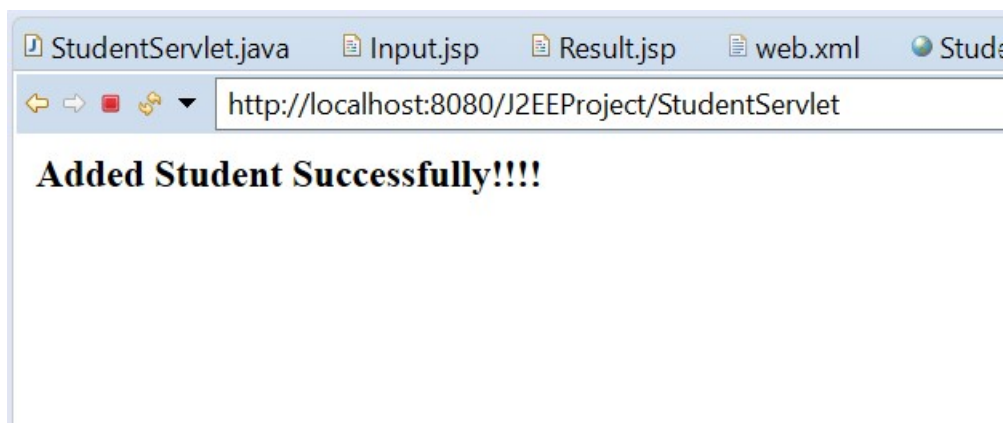


Figure 3: Output: Success!

3 Execution flow

After data is entered as input to the form in `Input.jsp` and submitted, it is passed as input to the servlet file `StudentServlet.java`. Then, this program interacts with the database (Java DataBase Connectivity), and database calls are made for insertion. On successful insertion, a success message is displayed, as shown in the figure in the previous part. To verify if the database table was actually updated, we can run an SQL query:

```
mysql> SELECT * FROM student WHERE dept_name = 'Elec. Eng.';
+-----+-----+-----+-----+
| ID    | name   | dept_name | tot_cred |
+-----+-----+-----+-----+
| 20012 | Bharath | Elec. Eng. | 240      |
| 76653 | Aoi     | Elec. Eng. | 60       |
| 98765 | Bourikas | Elec. Eng. | 98       |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> |
```

Figure 4: Updated student database

(Note: Part B report is located in its respective folder.)