

Databases and Information Systems Laboratory

Course code: CS313

Project - I

Date: 14th October 2021

Total: 100 Points

Part A

1. We have uploaded a sample project on moodle(*J2EEProject.zip*). Extract and import the project into the eclipse workspace. The handout(*Handout.pdf*) is also uploaded on how to import the project.
[Add the Screen shots of implementation] **10 Points**
2. The project has been written using jsp/servlet. It takes student details from the jsp file and adds to the database using servlet. Then displays the success message on the jsp file.
(Note : In the servlet code ,add your database name,mysql username and password correctly in the jdbc url). **10 Points**
[Add the Screen shots of implementation]
3. Execute the project and understand the execution flow. **5 Points**
[Add the Screen shots of implementation]

Part B

1. Library Management System

Task 1. Design the database Library and create tables:

- a. book(book_id, title,category,author);
- b. student(student_id,name,dept_name,year,semester);
- c. issue(student_id,book_id,issue_date,return_date);

15 Points

[Submit the code and screenshots of the result]

Task 2. Load data into these tables:

- a. 5-6 tuples in the book table.
- b. 5-6 tuples in the student table.
- c. 8-10 or more tuples in the issue table ensuring that the queries below will get some Results.

10 Points

[Submit the code and screenshots of the result]

Task 3. Create a Java-J2EE project and do the following :

- a. Home.jsp file to give two options “Add a book” and “Issue a book”. This should redirect to corresponding jsp file when clicked.
- b. Add.jsp file to take input as book_id, title, category, author. Then check if the book_id already exists, otherwise add these book details to the book table using a servlet named AddServlet.java. Print “Book is added successfully” after adding in the new jsp page named AddResult.jsp.
- c. Issue.jsp file to take input as student_id,book_id,issue_date. Then add these issue details in the issue table if and only if a student exists(check student_id in student table) using a servlet named IssueServlet.java. Print “Book issued successfully” after adding in the new jsp page named IssueResult.jsp. (Here return_date can be null)

30 Points

[Submit the project source code as zip file along with report containing implementation of the project]]

Demo:

[Demo will be taken on Part-B, you have to show the implementation of your project] **20 Points**

Demo will be taken on 22 October 2021 in Lab hours.

How to Submit?

[Submit a <roll_number>.zip file which contains Part-A and Part-B in different folders with name Part-A and Part-B]

NOTE:

1. Due date for Assignment is **14th October 2021(11:59PM)**.
2. Mode of submission is moodle.
3. We will run a plagiarism check for all the submissions.
4. Penalty for late submission is 15% of secured marks.
5. Penalty for plagiarism is 100% of the secured marks.