CS 313: Databases and Information Systems Laboratory
Autumn 2022-23, IIT Dharwad
Assignment-6
Project - I

Date: 16ᵗʰ October 2022   *Total: 100 Points*

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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 both Part-A and Part-B, you have to show the implementation of your project] **20 Points**

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 **16ᵗʰ October 2022(11:59PM).**
2. Demo will be taken on **17ᵗʰ October 2022** in Lab hours.
3. Mode of submission is moodle.
4. We will run a plagiarism check for all the submissions.
5. Penalty for late submission is 15% of secured marks.
6. Penalty for plagiarism is 100% of the secured marks.