
WEB ARCHITECTURE LAB ASSIGNMENT 03

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Note: Plagiarism will be severely penalized.

ASSIGNMENT DESCRIPTION

Simulate a shopping cart using Servlet and JSP code and follow MVC web architectural pattern.

- Display a list of items (including their images) in a JSP page. The items should be stored in a database and displayed from database. You can use whichever database you are comfortable with (Oracle SQL, MySQL etc.) The list of items should be generated dynamically depending on the number of items in your database. The list should not be hard-coded inside your web page.
- Give option to users:
 - Add items to cart.
 - Show the cart content.
 - Remove individual items from the cart.
 - Update cart amount information.
- Use HttpSession object to maintain session information and cart information. [You can use ArrayList object for the cart]

There should be proper session management (login, logout) in the project.

- Use Servlets, Filters, JSPs, Java Beans as required.
- Create a PDF report describing your work. The report should contain the following:
 - Brief description or purpose of each class, interface, javabean, jsp page etc.
 - The code of each of the components mentioned above. **The code must not be submitted as screenshots.**
 - Screenshot of each of the pages in the web app.

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- Submit your project in a zip file named 'Shopping_Cart_StudentID.zip' e.g. Shopping_Cart_154443.zip. Also upload the project in your github profile and attach the github link as your submission. Lastly, submit your report as StudentID_Assignment03.pdf.
 - All submissions will be checked through a plagiarism software and any submission exceeding a certain plagiarism percentage will be rejected.