# WEB ARCHITECTURE LAB ASSIGNMENT 02

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## ASSIGNMENT DESCRIPTION

Write a set of cooperating servlets to do the followings:

- Identify a user using login servlet

  - The user should be able to log in and log out from the system

- Show a list of products, allowing the user to add them to a *cart*

  - You do not need to extract the list of items from any database. You can hard code the list of items that a user can view and add to their cart.

- Allows viewing the content of the *cart*, update contents of the *cart*

  - The user should be able to see exactly which items they have added to the cart.

  - The user should be able to update the cart i.e. add/remove items, and edit the number of a certain item they wish to purchase

  - As long as the user remains logged in in the system, they should be able to see the content of their cart from any page

- Allows checking out by simulating a payment and emptying the *cart*

  - The cart should be emptied when the user checks out

- Optional operation: If a user has previously added any item to their cart, log out, and logs back in, they should be able to view the items they had added earlier in their cart. This operation will require some kind of database function. Bonus marks if you can complete it!

**NOTE:** You can use either Cookie or HttpSession or a combination of both to handle *shopping cart* and login information.

**Submission Instructions:** When submitting your project, DO NOT zip your project. All files and folders necessary to run your project should be uploaded directly. You should add comments for every method you write to explain the purpose of the method. Also, upload the project to your GitHub account and share the GitHub link as your submission as well.