# Week4 Project

**Requirement:**

1. Implement the functionality of a shopping site one the fore ground.
2. Use JSP, Servlet, Java Bean, JDBC and Oracle.
3. The main functionalities include but not limit: Register, Log in, select to cart, buy and check the order detailed information.
4. Use a filter to prevent the black user lists (“Johns”, “Scott”) to log in.
5. Use a listener to count how many users online.
6. Use the validation codes to verify if the users are normal or hackers.
7. Do not consider paying an order online, just cash on delivery.
8. Draw E-R model by tool (Mysql workbench or Visio).
9. UML not required. May similar as the model of second week.

**Deadline:**

Before next Monday

**Purpose:**

More practice the JSP, Servlet, JDBC and Oracle

**Presentation:**

The team leader will give an introduction to your project and give the demo. Team members try to finish the requirements on group. But each member should finish at least one part of the project. And give a list showing who finished which part.

**Review Point:**

Required Functionalities.

Unit Test and Codes structure

Database Design (3rd normal form)

Code Convention (Package, Comments) and code structure.

TO DO LIST:

1. JSP Pages.
   1. Login page
   2. Register page
   3. Product Page
   4. Cart Page
2. Models
   1. Order
   2. User
   3. Order\_Items
   4. Product
3. Database – Created. (Need some alteration to match requirements)
4. Servlet
5. Filter
6. Javabean
7. DAO/IMPL & transactions (On-Going)