

Project Proposal – Online shopping website

1. Introduction

Online shopping website provides a platform for both seller and buyer to send or view item information connected by the same view. The database will store the user ID and password for each user and also admin. The item information will contain the picture of the items and the description of them. The manager could provide a sell price with each product. In our design blueprint, all the product, user information and order information are managed by specific administrator of our website. We may also add a seller registration system in the future so that it will provide a great environment to do the trade for both of the seller and buyer.

We are expecting to use JSP for view templating and MySQL is at the database end. Model-View-Controller (MVC) is a software architectural pattern for implementing user interfaces on computers. It divides a given application into three interconnected parts in order to separate internal representations of information from the ways that information is presented to and accepted from user.

Based on MVC, Online shopping website use XML and JSP for the Visual part and servlet in the control aspect. Additionally, we plan to use MySQL to design the database in our project.

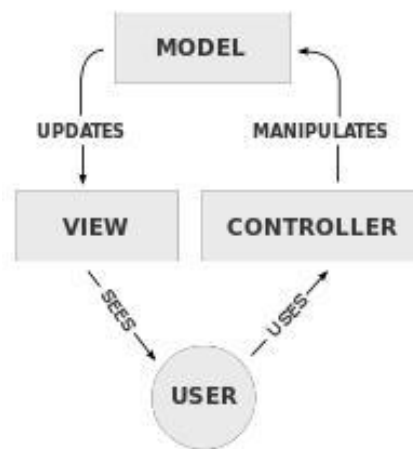


Figure 1. Diagram of interactions within the MVC pattern

The MVC is a new kind of framework for us and we will try our best to apply this into our project to make it clear and better use in the future. And the user interface is also an

important part for us. The perfect use of CSS and HTML will draw more users' attention to our shopping website, therefore, this will be another challenge for our project. We hope we can provide a good project to the public in the end of the semester.

2. General Design and Structure

The following entities should be created in database and also need to be created by java in the source code of the project in order to implement the information store and fetch from the database.

Main classes

- [1] User class: userid, name, phone, email....
- [2] Manager class: managerid... (This class is designed for the manager to facilitate the management of all orders and all the registration of users, they could modify the order information, delete user and so on)
- [3] Product class: product id, product name, description, price, quantity..
- [4] Order class: order date, ship date, user, product

Main function:

User: registration; login; information update; make order; track order information.

Manager: add, update, delete products; add, update, delete user information; add, update, delete order information.