**Software Design Specification for E-market**

**System Overview**

The E-market project builds a platform for users and managers to use. It helps the users to search the product they want to buy and the users can register and log in or log out the system. The products can be categorized into several sections and the users can add the products into the shopping cart and change the number of the products you want to buy and confirm the order information.

For the managers, they may use the CRUD functions and they can manage the products which need to be displayed on the front end and the category or the sub category of the products. The managers can check or clean the order lists or filter them as well.

**Design Considerations-System Environment**

In the E-market system, I will use the Eclipse EE, Hibernate and MySQL, Spring MVC, Ajax and JavaScript to build the whole system.

**Architectural Design**

In the E-market system, I have the front end and the back end separately for the users and the managers to use.

Server application is a Spring MVC JEE-based web application that runs within the Server. It consists of Spring controllers that respond to requests for data from client and Spring views that present the model as the response to the client requests.

**Low Level Design**

For the server side, there are controllers of Managers Info Controller, User Info Controller, List Info Controller, Product Info controller and corresponding views of these controllers.

For the client side, there are search screen, user register screen, shopping cart screen, confirm screen.