**Star Hotel Management System Designing Report**

**1.System Analyzing**

Star Hotel Management System is designed to meet the requirements of Star Hotel management, this system will include three main functions: Customer Management, Order Management, Report system. The manager and clerk of Star Hotel can use this system to manage customers and orders, booking rooms for customers, change or delete orders, generate reports based on multiple requirements, maintain customer information and manage bill payments.

The system is based on GUI and native database, the GUI is clear and easy to understand. The system is easy to learn and use, with this system, Star Hotel can easily maintain entire hotel with serval clerks.

**2.Prototype Introduction**

This prototype is developed to display part of the whole system. Current prototype is based on customer management system, it can show a basic model of the basic GUI and database of customer management to user. Due to the time limitation, current prototype version can only manage the customer information, with a function of CURD of customer information and basic GUI of that system.

**3.Method and Class**

Methods and classes in this prototype is designed to support customer management system. We designed methods and classes to call every page and control every controller on every page. We also designed methods and classes to generate database of this system and meet the CRUD requirements.

The codes are shown below:

**4.GUI Designing**

The GUI of this prototype is designed as three pages. The first page is designed as the main page of entire management system, with a button to call customer management system page. In the customer list page, we can see customer information list can do have navigation function. We can also add customer, choose a customer to edit or delete. If user click add customer button or chose one term in the list and click edit button. The customer information page will display. On this page, user can type or edit every single information of customer, can with click confirm button, information will be transfer to database, if click cancel button, no change will be save.

GUI screen shoots:

**5.DataBase Designing**

In database part, we designed a native database with SQL, it contains all information of customers such as name, gender, address, numbers, etc. Java code is used to connect database with GUI. With interaction with the GUI, user can find typical terms in the database, create new terms to database, change existed information, and delete customer information from database.

SQL codes are shown as below: