Assignment 4

Airways Management System

**Airways Management System**

**1. Specifications**

**Overall**

In this project, we are required by Airways company to provide the implementation of a computer system responsible for a large part of the operation of the company.

**Customer**

This system face to different people with identities including administrators, managers, ticket agents and customers. It records detailed information about every aspect of the flights. People with different identities will have different privileges on looking up or updating the information.

**System**

This system follows the process with basic user interface. At first, it is showing the main menu which requires users to select the identity so as to get access to the system with different privileges. For different users, they will be provided different options with various functionalities.

When logging in as an administrator, he can write new flight information to the system. For a ticket agent, he may search flights for customer and insert or update details for customers’ ticket reservation. Besides, a manager will be provided the option to retrieve statistics about company’s operations. For a customer, it will be allowed to read information about the flights and book a ticket.

As soon as the operation finishes, user will be asked whether to do other options or go back to the main menu, where user can choose to exist the whole system.

**2. Analysis**

**Inputs**

User’s identity

Information about flights

**Outputs**

**Variables**

**Classes**

**Class relations**

**3. Design**

**4. Implementation**

See file “Assessment4”

**5. Testing**