Randy He (SID: 861148827)

Tianyou Xu (SID: 861144630)

CS 166-L Section 021

6/6/2018

CS 166 Final Project Documentation

**Introduction:**

For this project, we designed an airline database that serves of Airline Managers and Customers. We also designed GUI for this Airline Management system. We utilized JAVA Swing for the GUI designing.

**Assumption:**

Each reservation has a status (Waitlisted/Confirmed/Reserved).

We assume that “Confirmed” is for flight which is already departed; “Reserved” is for light which is not depart yet.

We assume that a flight may not has a schedule.

We assume that there is no need to ask user to input a departure date of flight to retrieve number of available seats for a given flight.

We assume that each flight should has a pilot and a plane.

**Accomplishment:**

We built a user-friendly interface, that’s the GUI.

We consider many corner cases for each function. For instance:

User should input unique flight id for addFlight.

User should input date in a fixed format.

User cannot book a reservation for a finished flight.