Wonderport

Advance programming with java - Spring 2017

The story begins from NY to LA! Wright brothers have invented airplane and companies are building airports in every city in the USA. Your job is to design a computer program for the airports.

We need a program to see airports, airplanes, flights, and their positions and states. There are two kinds of flights in each airport: transportation flights, which are for the passengers, and military flights. Transportation flights have a pilot, a co-pilot, a number of passengers, and a number of attendants.

Every flight has origin and destination airports as well as take-off and landing time. There should be no conflict in time of landing or take-off in an airport because there is only one line in each airport.

As the admin, I want to have the permission to add and edit airports, airplanes, and users.

As a user, I want to see the reports I am permitted.

Admin and user authentication is not critical for us. Simply asking for a username is sufficient. Consider it is going to be somewhere that we know the users and you just have to check which permissions they have.

What we expect:

- A visualization of your classes to show inheritance and functions (I prefer to have it in draw.io and give us the chart, but you can do it on paper too!) - 30%

- A source code in java:

       - Basic class design - 35%

       - Conflict checking - 20%

       - User authentication - 20% (this is extra score)

Note: you can design your main function without any authorization or authentication as users and admin and just list, add and edit functions with no login.

- A presentation by you on April 26th - 15%

Note: all above score depend on your presentation on April 26th.