Group Project

Logistics

This project is group work. The group size is up to 4 students.

Set up your group on Blackboard as soon as possible.

Think well before joing a group - once you are in, you cannot change your group.

This project is worth 40% of your final mark.

A zipped copy of your team's app must be submitted on blackboard.

The project will be marked out of 100 points as follows: 25 points for the user interface design, 50 points for the correct functionality, and 25 points for the quality of the code.

The submission deadline is Monday, Dec 21, 2017 by midnight. **No late submissions will be accepted.**

The Client Request

A company has contacted you about building a program for them. Here is the description. We need an Android application for booking airline tickets. The application should provide the functionality to store, retrieve, and update flight information, as well as information about our clients. A traveler should be able to create a trip itinerary by providing origin, destination, and travel dates information. The application should calculate and display itinerary costs and create new bookings. A user should be able to display the list of suggested itineraries by the itinerary cost and by total travel time.

Feature List

After consulting with your requirements engineering experts and after further communication with the client, you arrived at the following feature list:

- Clients can search for possible itineraries by entering a departure date, and travel origin and destination.
- An itinerary should include, per flight

    1. Flight number,
    2. departure date and time,
    3. arrival date and time,
    4. airline,
    5. origin
    6. destination, plus an overall itinerary cost and travel time.

- Clients can display search results sorted by total travel time or by total cost.
- Clients can select an itinerary from the displayed list.
- Clients can book the selected itinerary.
- Clients can view booked itineraries.
- Clients can enter personal and billing information to be stored in the system.
- Clients can edit personal and billing information stored in the system.

Implementation requirements

- Your app must be user friendly.

- The code design must be modular and follow good programming practices.