

1. User functionality

(25 points)

- ☒ let people search for flights between two airports
 - ☒ one way on a specific date
 - ☒ round-trip on specific dates
 - ☒ one way or roundtrip on flexible dates (+/- 3 days)
- ☒ browse the resulting flights
- ☒ sort flights by different criteria (price, take-off time, landing time, duration of flight)
- ☒ filter the list of flights by various criteria (price, number of stops, airline, take-off time, landing time)

(25 points)

- ☒ Browse questions and answers
- ☒ Search questions and answers by keywords
- ☒ make flight reservations/buy the ticket.
- ☒ enter the waiting list if the flight is full
- ☒ view all the past flight reservations with their details
- ☒ view all the upcoming flights with their details
- ☒ cancel their flight reservations (if it is business or first class)
 - ☒ send an alert to customers in the waiting list that there is an empty seat
- ☒ post questions to the customer representative

2. Admin (create an admin account ahead of time)

(25 points)

- ☒ Add, Edit information and Delete a customer representative or customer
- ☒ Obtain a sales report for a particular month
- ☒ Produce a list of reservations by flight number or by customer name
- ☒ Produce a summary listing of revenue generated by a particular flight, airline, or customer
- ☒ Find out which customer generated most total revenue
- ☒ Produce a list of most active flights (most tickets sold)

3. Customer Representative

(25 points)

- ☒ Make flight reservations on behalf of users
- ☒ Edit flight reservations for a customer
- ☒ Add, Edit, Delete information for aircrafts, airports, and flights
- ☒ Retrieve a list of all the passengers who are on the waiting list of a particular flight
- ☒ Produce a list of all flights for a given airport (departing and arriving)
- ☒ Reply to user's questions