

Test Cases for CPSC362 Project

A. Application UI

Description:

A user is able to signup and login the application and perform UI switches to go through each functionality process.

Testcases:

1. User login and switch to main UI
2. User signup and switch to user login
3. Password hidden
4. Main UI switching to other UI
5. Book flight UI switching to other UI
6. Oneway-trip UI switching to other UI
7. Refund-trip UI switching to other UI
8. Available flight list UI switching to other UI
9. Seat selection UI switching to other UI
10. Disabled service UI switching to other UI
11. Child service UI switching to other UI
12. Food service UI switching to other UI
13. Personal information UI switching to other UI
14. Booking information UI switch to other UI
15. Weather information UI switching to other UI

B. Database connection and query

Description:

The application need to be able to connect the MySQL database deployed on AWS and perform the insert, delete, update and query actions on each table.

Testcases:

16. Connect remote database on AWS
17. Insert user info to database when signup
18. Query user info from database when login
19. Query airport to city name from database
20. Query city name to airport from database
21. Query flight information from database
22. Insert booking information to database
23. Query booking information from database
24. Delete booking information from database
25. Query reserved seats for a flight from database

C. Seat Selection

Description:

An user need to be able to select a seat for the flight booking, and only select the available seats.

Testcases:

26. Separated seat selection for first class and economy class
27. Show reserved seats for a flight and disable selection of those seats
28. When select a reserved seats, pop up notification
29. Toggle color on select/unselect a seat

D. Ticketing

Description:

An user need to be able to input the flight searching criterial and get available flights, select from one of the available flight and proceed to a successful booking.

Testcases:

30. Set ticket search criterial: from, to, date

31. List available flights based on search criteria
32. Set service reservations for ticket: disabled service, child service, food service
33. Set passenger information for ticket: name, passport, email
34. Show ticket information on successful booking

E. Weather API

Description:

An user need to be able to input a city name and get the current weather information for that city.

Testcases:

35. Input city name and get weather information

F. Email Notification

Description:

An user will be able to send the booking confirmation to a selected email on booking successfully, or get notified from email when a booking is cancelled.

Testcases:

36. Send email for a succeeded booking
37. Send email for a cancelled booking
38. Pop up notification on email sent successfully