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| **#** | **Functional Requirement** | **Category** | **Notes** | **Priority** | **Owner** |
| 1 | The customer shall be able to input the departure city and the system shall retrieve the valid available airlines. | Customer |  | HIGH | Aesha |
| 2 | The customer shall input for Arrival city and the system shall retrieve the valid available airlines. | Customer |  | HIGH | Aesha |
| 3 | The customer shall input the Departure date and the system shall retrieve the valid available airlines. | Customer |  | HIGH | Aesha |
| 4 | The customer shall input the Arrival Date and the system shall retrieve the valid available airlines. | Customer |  | HIGH | Aesha |
| 5 | The customer shall input the budget for the trip to search the flights up to a range of CAD $5000. | Customer |  | HIGH | Aesha |
| 6 | The system shall allow the customer to provide the option of travelling with a pet in airline. | Customer |  | HIGH | Aesha |
| 7 | The customer shall be able to input the preferred airline in the search box to retrieve available active airlines. | Customer |  | HIGH | Aesha |
| 8 | The system shall be able to retrieve and provide customer the list of available class of service for a particular airline | Airline |  | HIGH | Aesha |
| 9 | The customer shall select a class of services for their chosen airline. | Customer | Eg: Business/ Economy/ First class | HIGH | Aesha |
| 10 | The system shall retrieve the direct flight data from the database within Canada. | Airlines |  | HIGH | Christiana |
| 11 | The system shall display an itinerary for the selected date of departure on completion of flight selection and customer’s details. | Reporting |  | HIGH | Christiana |
| 12 | The system shall allow the customer to display both Economy and Business class tickets within the budget amount. | Reporting |  | HIGH | Christiana |
| 13 | The system shall be able to display airline fares in Canadian dollars. | Reporting | No transaction | HIGH | Christiana |
| 14 | The customer shall be able to select an alternative airline if the preferred airline is expensive. | Customer | When the budget is not mentioned | HIGH | Christiana |
| 15 | If there are no flights, the system shall suggest alternative suggestions by checking for adjacent dates (with same filter) and display the available flights. | Airline | How?  Re-input the date. | HIGH | Christiana |
| 16 | The system shall display around 6 flights on the search page. | Reporting |  | HIGH | Christiana |
| 17 | The system shall display the time of departure of the flights | Reporting |  | HIGH | Christiana |
| 18 | The system shall display the time of arrival of the flights | Reporting |  | HIGH | Christiana |
| 19 | The system shall display the duration of jjourney time (travel time). | Reporting |  | HIGH | Meghna |
| 20 | The system shall display the flight number of suggested airlines. | Reporting |  | HIGH | Meghna |
| 21 | The system shall allow the user to click on a link associated with the meal plan of the airline | Airline | If meal plan available to that chosen airline | HIGH | Meghna |
| 22 | The system shall display “No Results found” if there are no flights available for the filtered search. | Reporting |  | HIGH | Meghna |
| 23 | The user shall have the option to choose "Remind me Later" if they are interested in that flight which triggers a mail of the flight details. | Customer |  | HIGH | Meghna |
| 24 | The system shall allow user to click on images/text to redirect to linked pages (e.g., Homepage (econestoga)) | Customer |  | HIGH | Meghna |
| 25 | The system shall generate passengers’ name records in NVARCHAR | Admin |  | HIGH | Meghna |
| 26 | The system shall accept the customer’s name for the reservation and display it in the itinerary. | Admin |  | HIGH | Meghna |
| 27 | The system shall accept the customer Phone number for the reservation and display it in the itinerary. | Admin |  | HIGH | Meghna |
| 28 | The system shall accept an e-mail address for the reservation and display it in the itinerary. | Admin |  | HIGH | Rakshini |
| 29 | The system shall send a PDF copy of the customer’s itinerary (over email) (just for this project). | Reporting |  | HIGH | Rakshini |
| 30 | The system shall allow the user to select passenger category (INFANT 0-2 years/CHILD 2-12 years / ADULT 12+ years) to reserve a ticket. | Admin |  | HIGH | Rakshini |
| 31 | The system shall suggest best practices and advice. (e.g., Covid guidelines page hyperlink) | Reporting |  | HIGH | Rakshini |
| 32 | The system shall display number of tickets available for the current search(live). | Reporting |  | HIGH | Rakshini |
| 33 | The system shall allow the customer to reserve the ticket. | Airlines |  | HIGH | Rakshini |
| 34 | The system shall display the check-in Baggage guidelines on selection of a particular airline. | Airlines |  | HIGH | Rakshini |
| 35 | The DB admin shall have read access to view Flight information. | Admin |  | HIGH | Rakshini |
| 36 | The DB admin shall have written access to view Flight information. | Admin |  | HIGH | Rakshini |
| 37 | The DB admin shall have update access to view Flight information. | Admin |  | HIGH | Sagar |
| 38 | The system shall be able to validate date format. ( for the arrival and departure dates) | Admin |  | HIGH | Sagar |
| 39 | The system shall record the number of flight searches in the DB. | Analytics |  | HIGH | Sagar |
| 40 | The system shall record the location of flights in DB. | Analytics |  | HIGH | Sagar |
| 41 | The system shall display airlines based on carry-on pets (based on user input) | Airlines |  | LOW | Sagar |
| 42 | The system shall allow Email Triggers whenever you want to save a flight for later. | Admin |  | HIGH | Sagar |
| 43 | The system shall display the Flight Ratings of each airlines analysed from google reviews. | Reporting |  | HIGH | Sagar |
| 44 | The system shall record the number of clicks on a particular airline for a user and suggest accordingly | Analytics | This is user specific like suggesting user the most travelled airline. | HIGH | Sagar |
| 45 | The system shall analyse chances of flight being on time arrival/departures based on past records | Analytics | Past records could be a few days for that flight number | HIGH | Sagar |
| 46 | The system shall suggest arrival cities when departure city is entered based on previous searches | Analytics | This is applicable for everyone. | HIGH | Sagar |