**Project Assignment - Use Case Analysis**

1. **Use Case:** Guest Registration [userRegistration]

**Description:** Guest wants to register to our web application

**Actors:** Customer

**Preconditions:** A user with same credentials should not exist

**Steps:**

**Actor Actions**: Guest Submits Details

**System Responses:** Guest successfully registered as user

**Post Condition:** User directed to login page

**Alternate paths:**  Guest submits user name that already exists

**Error Message:** User name already exists

2. **Use Case:** User Login[userLogin]

**Description:** User wants to login

**Actors:** Customer

**Preconditions:** User name should exist and password should match

**Steps:**

**Actor Actions:**  User submits login details

**System Responses:** User authentication passed

**Post Condition:** User directed to his profile page

**Alternate paths:** User authentication fails

**Error Message:** The username or password you entered is incorrect

3. **Use Case:** Search for Flights[flightSearch]

**Description:** User wants to search for flights

**Actors:** Customer

**Preconditions:** Flights for the requested dates should have seats available

**Steps:**

**Actor Actions:** User selects arrival, departure dates and boarding,destination locations

**System Responses:** Flight details displayed

**Post Condition:** User should give the dates of travel and location of departure and arrival

**Alternate Paths:** No flights available for the user entered details

**Error Message:** Flights not available

4. **Use Case:** Select a flight[selectFlight]

**Description:** User selects a flight from the search results

**Actors:** Customer

**Preconditions:** Flights for the requested dates should have seats available

**Steps:**

**Actor Actions:** User selects a flight from the search results

**System Responses:** Gives the flight journey details

**Post Condition:** Displays the flight journey details like time of departure, arrival and stops etc.

**5. Use Case:** Book Seats [seatsBooking]

**Description:** User selects the number of seats(i.e passengers traveling) and books them

**Actors:** Customer

**Preconditions:** User should select the number of passengers traveling

**Steps:**

**Actor Actions:** User clicks the book button

**System Responses:** booking details are displayed

**Post Condition:** The tickets are purchased and are added to his booking list

**Alternate Paths:** User booking fails as number of seats requested are no longer available

**Error Message:**  Booking failed

**6. Use Case:** View an Order History [viewOrder]

**Description:** User wants to view an booking history and is displayed in descending order of date of booking (i.e latest transaction first)

**Actors:** Customer

**Preconditions:** Orders exists, customer authenticated

**Steps:**

**Actor Actions:** User requests booking history

**System Responses:** All order details displayed

**Post Condition:** all orders are displayed in descending order of date of booking (i.e latest transaction first)

**Alternate path:** User requests booking history, no history found

**Error message:** No purchases made

**7**. **Use Case:** View Travel Details [Travel Details]

**Description:** User selects travel details of a particular journey from his booking history

**Actors:** Customer

**Preconditions:** should be present in the booking history

**Steps:**

**Actor Actions:** User clicks on the travel ID from the booking history

**System Responses:** Displays the journey details

**Post Condition:** System displays all the journey details related to that booking i.e travel id

**Alternate Paths:** Booking has been canceled

**Error Message:** Shows all the journey details with the message “This is no longer available as the order has been canceled”

8. Use Case: Cancel a Booking[cancelBooking]

Description:

Actors: Customer

Preconditions:

Steps:

Actor Actions:

System Responses:

Post Condition:

Alternate Paths:

Error Message:

9. Use Case: Comment on Airlines(comments)

Description:

Actors: Customer

Preconditions:

Steps:

Actor Actions:

System Responses:

Post Condition:

Alternate Paths:

Error Message:

10. Use Case: Rate a Airline

Description:

Actors: Customer

Preconditions:

Steps:

Actor Actions:

System Responses:

Post Condition:

Alternate Paths:

Error Message:

11. Use Case: View Profile Of other User

Description:

Actors: Customer

Preconditions:

Steps:

Actor Actions:

System Responses:

Post Condition:

Alternate Paths:

Error Message:

12. Use Case: Update Profile

Description:

Actors: Customer

Preconditions:

Steps:

Actor Actions:

System Responses:

Post Condition:

Alternate Paths:

Error Message:

13. Use Case:

Description:

Actors: Database Administrator

Preconditions:

Steps:

Actor Actions:

System Responses:

Post Condition:

Alternate Paths:

Error Message:

14. Use Case:

Description:

Actors: Database Administrator

Preconditions:

Steps:

Actor Actions:

System Responses:

Post Condition:

Alternate Paths:

Error Message: