**Use Case Title: Browse Available Flights**

**Nouns:**

* User
* System
* Destination
* Flight List
* Available Flight
* Seat Map
* Error Message

**Use Case Scenario:**

1. Search Flights:

* User lands on the homepage.
* System provides input fields: "Destination," "Date," "Passenger."

1. Enter Flight Details:

* User enters "New York," "12/24/2023-12/28/2023," and "1 Adult."

1. Find Flights:

* User selects "Search."
* System retrieves and displays Available Flights.

1. Select Flight:

* User chooses an Available Flight.

1. View Seat Map:

* System displays the Seat Map for the selected flight.

1. Choose Seat:

* User proceeds to choose a seat.

1. Choose Seating Class

* User selects a seating between economy or business.

**User Registration Use Case:**

**Nouns:**

* User
* System
* First Name
* Last Name
* Birth Date
* Email/Username
* Password
* Confirmation Page
* Email Service

**Use Case Scenario:**

* John selects the option to “Register” on the Airline Reservation System.
* The System displays input fields for: “First Name”, “Last Name”, “Birth Date”, “Email (Username)”, “Password”.
* John enters his details: “John”, “Doe”, “01/01/1980”, “[john.doe@airlinereservation.com](mailto:john.doe@airlinereservation.com)”, “securepassword456”.
* John selects the option to “Create Account”.
* The System verifies the uniqueness of the email and the validity of all other fields.
* The System creates a new user profile in the Airline Database.
* The System displays a confirmation page indicating successful registration.
* The Email Service sends a welcome email to John.

**Login Use Case:**

**Nouns:**

* User
* System
* Email/Username
* Password
* Credential Entry Page
* Application Landing Page

**Use Case Scenario:**

* John selects the “Login” option on the Airline Reservation System.
* The System presents a credential entry page with fields for: “Email (Username)” and “Password”.
* John inputs his credentials: “[john.doe@airlinereservation.com](mailto:john.doe@airlinereservation.com)” and “securepassword456”.
* John selects “Confirm Login”.
* The System checks the credentials against the Airline Database and either moves John to the Application Landing Page or shows an error message if the credentials are invalid.

**Payment Transaction Use Case:**

**Nouns:**

* User
* System
* Payment Method
* Credit/Debit Card
* Name on Card
* Card Number
* Card Expiration Date
* CVV
* Payment Confirmation Page
* Email Service

**Use Case Scenario:**

* The User selects their Payment Method on the booking confirmation page.
* The System prompts for payment details: “Credit/Debit”, “Name on Card”, “Card Number”, “Card Expiration Date”, “CVV”.
* The User enters their payment information: “Debit”, “John Doe”, “1234 5678 9012 3456”, “12/2025”, “321”.
* The User selects “Confirm and Pay”.
* The CreditCard\_SerUsevice validates and processes the payment.
* The System receives a payment confirmation and logs the transaction in the Airline Database.
* The System displays a payment receipt to the User.
* The Email Service sends the payment receipt to the User’s email.