

1. create the User Story map for your project. Make the User Stories to be as small as possible.

## High-Level Activities and User Stories

Activities	User Stories
<b>Flight Search &amp; Booking</b>	1. As a passenger, I want to search for available flights by date and destination. 2. As a passenger, I want to filter flights by price, time, and duration. 3. As a passenger, I want to book a selected flight. 4. As a passenger, I want to receive a confirmation email after booking.
<b>Flight Management</b>	5. As an airline staff member, I want to add new flights to the system. 6. As an airline staff member, I want to update flight schedules. 7. As an airline staff member, I want to cancel flights when necessary.
<b>Passenger &amp; Booking Management</b>	8. As a passenger, I want to view my past and upcoming bookings. 9. As a passenger, I want to cancel a booking and receive a refund based on the policy.
<b>Payments &amp; Refunds</b>	10. As a passenger, I want to make secure payments for my booking. 11. As an admin, I want to track all payments and refunds in the system.

2. Choose any three of your major/significant User Stories and write the Acceptance Criteria for each.

## User Story 1: Flight Search

**As a passenger, I want to search for available flights by date and destination.**

### *Acceptance Criteria*

1. The user can enter **departure and arrival locations**.
2. The user can select a **date** for the flight.
3. The system displays **all available flights** matching the criteria.
4. The system provides an **error message** if no flights are available.

## User Story 2: Booking a Flight

**As a passenger, I want to book a selected flight.**

### *Acceptance Criteria*

1. The user selects a flight and chooses **seat options**.
2. The system displays the **total cost**, including taxes.
3. The user must enter **passenger details (name, contact, ID, etc.)**.
4. The system allows **secure payment** using a credit/debit card.
5. The user receives a **booking confirmation** after a successful transaction.

## User Story 3: Cancel a Booking

**As a passenger, I want to cancel a booking and receive a refund based on the policy.**

### *Acceptance Criteria*

1. The user can view their **booking details** in the system.
2. The system allows cancellation **before departure time**.
3. The refund amount is **calculated based on penalty rules**.
4. The user receives a **cancellation confirmation and refund status**.

3. Write the Main Scenario (i.e. the main/basic flow or steps) for each of the three chosen User Stories (from 2 above)

## Main Scenario 1: Flight Search

1. The passenger **enters departure and arrival cities**.
2. The passenger **selects a travel date**.
3. The system **retrieves available flights** based on criteria.
4. If flights are available, the system **displays results**.
5. If no flights match, the system **shows an error message**.
6. The user can **apply filters** (price, airline, etc.) and refine the search.

## Main Scenario 2: Booking a Flight

1. The passenger selects a **flight** from the search results.
2. The passenger enters **personal details** (name, contact, passport ID).
3. The system **calculates the total cost** (including taxes and fees).
4. The passenger **chooses a payment method** (credit/debit card).
5. The system processes the **payment and verifies transaction success**.
6. The system generates a **booking reference number**.
7. The system sends a **confirmation email** with booking details.

## Main Scenario 3: Cancel a Booking

1. The passenger logs into their **booking dashboard**.
2. The passenger selects the **booking to cancel**.
3. The system checks if the **cancellation is within allowed time**.
4. The system calculates **penalty fees** based on rules.
5. The system processes **the refund to the original payment method**.
6. The system updates the booking status to **"Cancelled"**.
7. The passenger receives a **confirmation email and refund details**.

