

Ideation Phase

Brainstorm & Idea Prioritization

Date	27-11-2025
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Project Name	Flight Booking System
Maximum Marks	4 Marks

Problem Statement

To define the core problems faced by passengers, airlines, and travel admins in searching, selecting, and booking domestic or international flights, and use those insights to guide the development of Flight Booking System.

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Before You Collaborate

A short preparation phase helps the team align on the purpose of the project.

Each team member should understand the common issues faced by travelers, airline staff, and booking agents while handling flight searches and ticket booking.

Team Gathering

- Bring all team members together to discuss the challenges in the current flight booking process.
- Share individual observations, research insights, and user pain points faced during travel planning.
- Ensure every participant contributes their viewpoint without judgment.
- Encourage open discussion to deeply understand real-life flight search and ticketing issues.

Discussion Highlights

During collaboration, the team identified recurring problems:

- Travelers struggle to find the right flights that match their destination, dates, and budget.
- Flight booking platforms show too many options without proper filters, causing confusion.
- Price variations between airlines make comparisons difficult.
- Ticket booking involves complex forms (passenger details, seat selection).
- Many airline systems lack a unified way to manage bookings and flight data.
- Users often face issues such as slow search results or outdated flight availability.

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm Ideas

- Complex flight search (From, To, Dates, Passengers)
- Real-time flight listing
- Price and airline filters
- Seat selection
- Passenger details form
- Ticket confirmation & invoice
- User login/signup
- Booking history
- Cancel or modify booking
- Integration with 3rd-party flight APIs
- Admin flight management panel
- Notifications & email confirmation

Team Inputs

P1: Flight search, filters, booking flow

P2: Passenger form, seat selection

P3: Price sorting, airline sorting

P4: Booking history, admin panel

Grouped Ideas

Passenger:

- Search flights
- Apply filters (price, airline, time)
- Select flights
- Add passenger details
- Seat selection
- Booking confirmation
- View booking history

Admin:

- Manage flights
- Update schedules
- View all bookings

Future:

- Live flight tracking
- Loyalty points
- Multi-city flight booking

Step-3: Idea Prioritization

Idea Prioritization

Priority	Idea
High	Complex flight search
High	Real-time flight listing
Medium	Price and airline filters
Medium	Seat selection
Low	Booking history
Low	Cancel or modify booking