Ideation Phase

Brainstorm & Idea Prioritization Template

Date	1 June 2025
Team ID	LTVIP2025TMID60279
Project Name	FlightFinder: Navigating Your Air Travel Options
Maximum Marks	4 Marks

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

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

Problem Statement Chosen:
Create a full-stack web application that simplifies flight ticket booking for users and provides an administrative dashboard for managing flights and bookings.

Project Overview:
SB Flights aims to provide a seamless, user-friendly platform for travelers to book flights and for admins to manage them. It addresses inefficiencies in traditional booking systems by offering a modern interface, easy booking process, and robust admin control.

Step-2: Brainstorm, Idea Listing and Grouping

User-Facing Ideas

- Extensive flight listings with filters (departure, arrival, date)

- "Book Now" button on flight cards

- Booking form with travel dates, cities, passenger details

- Booking confirmation & summary page

- User account creation, login, and booking history

Admin/Operator Features

- Admin dashboard for managing flights and bookings

- Flight operator login and dashboard

- Add/edit/delete flight routes

- Monitor user activity and booking data

- Admin approval for new flight operators

Technical Ideas

- MERN stack (MongoDB, Express.js, React.js, Node.js)

- RESTful API structure with authentication

- Mongoose schemas: User, Flight, Booking

- Role-based access (user, admin, flight operator)

- Frontend form validation and modals for booking

Deployment & Accessibility

- Run locally via GitHub repo

- Hosted demo on Google Drive

- Version control with GitHub

Step-3: Idea Prioritization

Idea	Impact	Effort	Priority
Flight search & book	High	Medium	High
Admin dashboard to add/edit flights	High	Medium	High
Booking history with cancel option	Medium	Medium	Medium
User authentication and session handling	High	High	High
Role-based login system	High	Medium	High
RESTful API with	High	High	High

Mongoose integration			
Mobile responsiveness	Medium	Medium-High	Medium
Payment integration	High	High	Low (Future)