Ideation Phase Brainstorm & Idea Prioritization Template

Date	31 January 2025
Team ID	LTVIP2025TMID46399
Project Name	Flight Finder
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

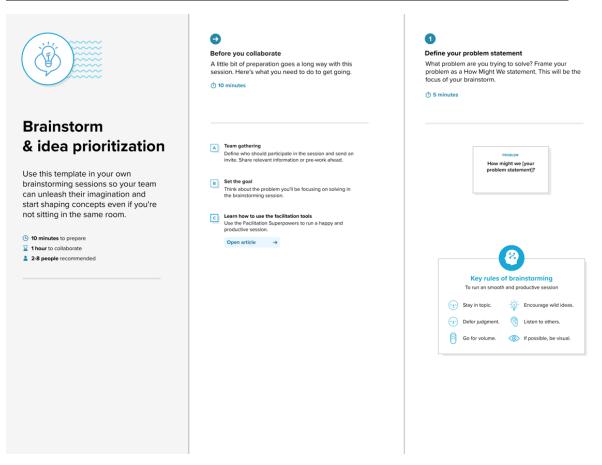
Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate,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

Reference: https://www.mural.co/templates/brainstorm-and-idea-prioritization

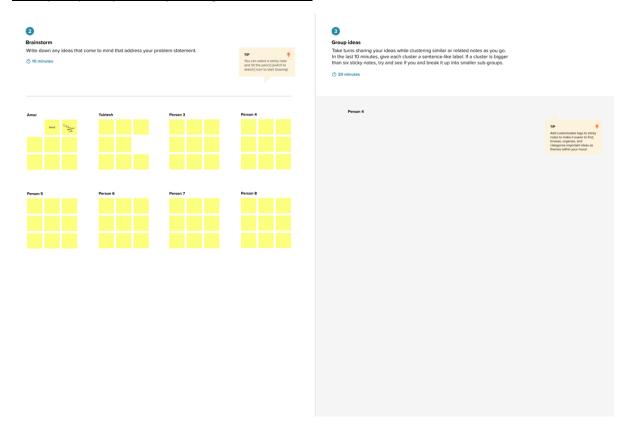
Step-1: Team Gathering, Collaboration and Select the Problem Statement

<u>Problem Statement: To develop a comprehensive and user-friendly web-based Flight</u>
<u>Booking App that simplifies the process of searching, filtering, booking, and managing flight travel, ensuring convenience and efficiency for frequent and occasional travelers alike.</u>



Step-2: Brainstorm, Idea Listing and Grouping

Ideas: - Frontend: Simple UI for search & booking, filters for direct flights, seat selection with seat map - Backend: Secure login/registration, RESTful APIs, admin panel for flight management - Database: Collections for Users, Flights, Bookings, Admin - Personalization: Save user preferences, booking history, preferred airlines - Security: Integrated payment gateway, secure user data handling - Scenario Design: Built for frequent flyers like John with real-time options - Tech Stack: Node.js, Express.js, React.js, MongoDB, HTML, CSS



Step-3: Idea Prioritization

High Priority Features: 1. Flight Search & Filter – destination, date, class, airline 2. User & Admin Authentication – secure login and dashboards 3. Seat Selection with UI – visual seat map for selection 4. Integrated Payment Gateway – secure payment system 5. Database Connectivity – MongoDB collections for Users, Flights and Bookings.

Scenario: John books a flight to Paris using the app by selecting preferences like destination, date, class, and airline. He chooses a window seat in business class, pays securely, and receives an e-ticket with itinerary – showcasing the app's.

Overview: This Flight Booking APP is the ultimate digital platform designed to revolutionize the way you book flight tickets. With this app, your travel experience will be elevated to new heights of convenience and efficiency. It allows travelers to effortlessly explore, filter, and book flights that suit their preferences. Whether you're a frequent commuter or an occasional traveler, the app makes finding your perfect journey easier than ever.

Technical Architecture Summary: - Frontend: React.js — User Authentication, Flight Search, Booking UI - Backend: Node.js + Express.js — API endpoints for users, flights, bookings, admin - Database:

MongoDB — storing Users, Flights, Bookings collections - Admin Dashboard: Role-based access,
manage flights/bookings/users

