**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| Date | 30-06-2025 |
| Team ID | LTVIP2025TMID43096 |
| Project Name | Flight Finder: Navigating Your Air Travel Options |
| 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**

We identified the challenge of building a scalable, user-friendly Flight Booking Web Application using the MERN (MongoDB, Express.js, React.js, Node.js) stack. The system must support multiple roles:  
  
**-** **Customer:** Can search, book, and cancel flights.  
**- Admin:** Manages users, flights, and system configuration.  
**- Flight Operator:** Can add or update flight details and availability.

**Step-2: Brainstorm, Idea Listing and Grouping**

**Group 1 – Customer-Centric Ideas:**- Intuitive search filters (by date, airline, destination)  
- Real-time seat availability  
- Booking history & cancellation feature  
- Mobile-responsive UI  
  
**Group 2 – Admin-Focused Features:**- Dashboard with analytics (flights booked, peak hours)  
- User management (CRUD operations)  
- Add/remove flight operators and flights  
- Role-based access control  
  
**Group 3 – Flight Operator Tools:**  
- Manage flight schedules (delays, cancellations)  
- Update seat inventory  
- Upload documents (permits, flight details)  
- Instant notification system

**Step-3: Idea Prioritization**

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| --- | --- | --- |
| Priority Level | Feature Description | Role |
| High | User login/signup with role selection | All |
| High | Flight search and booking functionality | Customer |
| Medium | Admin dashboard for system monitoring | Admin |
| Medium | Flight management portal for operators | Flight Operator |
| Low | Data analytics and flight trend charts | Admin |
| Low | Multilingual support and accessibility enhancements | Customer/Admin |