

Ideation Phase

Brainstorm & Idea Prioritization

Date	31 January 2025
Team ID	SWTID1744100849
Project Name	HealthPlum
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.

Brainstorming

Using collaborative brainstorming sessions and whiteboarding techniques, we generated various ideas to improve the overall user and artist experience.

Step-1: Team Gathering, Collaboration, and Problem Statement Selection

During the initial team discussion, we identified a significant problem in the healthcare appointment system: patients face long queues and a lack of transparency in doctor availability, while doctors struggle with appointment management and time tracking.

Selected Problem Statement:

"I am a patient trying to book a doctor's appointment conveniently, but I face long wait times and inconsistent availability, which makes me feel frustrated and causes delays in treatment."

This was chosen because it represents a *real and urgent* need across both urban and semi-urban populations, and solving it would positively impact both patients and doctors.

Step-2: Brainstorm, Idea Listing, and Grouping

We conducted a team brainstorming session and listed all possible features and solutions that could solve the identified problem. Ideas were grouped into 4 major themes:

1. Patient-Centric Features

- User-friendly appointment booking form
- Doctor availability calendar
- Notification alerts/reminders

- Search/filter doctors by specialization/location

2. Doctor Dashboard Features

- Accept/reject appointments
- Manage schedule and availability
- View patient history and upcoming appointments

3. Admin Panel

- Manage doctor verification
- User management
- Site activity logs

4. Technical Enhancements

- JWT-based authentication
- MongoDB for cloud data storage
- Tailwind for clean and responsive UI
- Email integration for booking confirmations

Step-3: Idea Prioritization

We categorized each idea based on **Impact** and **Feasibility** (High, Medium, Low):

Feature/Idea	Impact	Feasibility	Priority
Appointment Booking System	High	High	Top
Doctor Availability Management	High	High	Top
Admin Verification Panel	Medium	Medium	Top
Notification System (Email/SMS)	High	Medium	Next
Calendar Integration (Google, etc.)	Medium	Low	Later
Patient Feedback/Rating System	Medium	Medium	Next
AI-based Recommendation for Doctors	High	Low	Future R&D

Our brainstorming session helped align the team around the most critical user needs, which allowed us to prioritize the features that offer maximum value within our timeline. The MVP (Minimum Viable Product) focused on user authentication, appointment booking, doctor management, and admin approval workflows.