Ideation Phase Brainstorm & Idea Prioritization

Date	25 March 2025
Team ID	SWTID1743701170
Project Name	Book A Doc
Maximum Marks	4 Marks

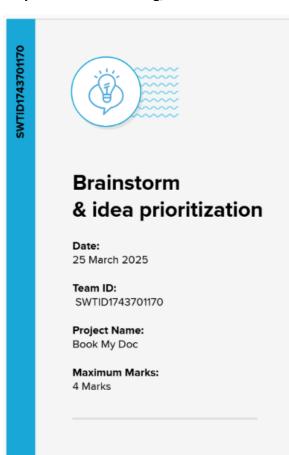
Brainstorm & Idea Prioritization:

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**.

Reference:

https://app.mural.co/t/smartbrirdgemernproject 5261/m/smartbrirdgemernproject 5261/1744432238215/6f9dbf06aa2d59be2cd2671424b6dd7b16287d24?sender=u2a4916cc5bc9c1dbe59a8735

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





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Our team consists of four members:

- Saurabh Yadav Frontend Development
- Param Yadav Frontend Development
- Tushar Chahar Backend Development & Database Management
- Vibhushit Bhatt Backend Development & Database Management

We identified the problem of inefficiency in doctor appointment booking systems in clinics and hospitals. Manual appointment booking leads to long queues, miscommunication, and lack of transparency. We decided to solve this by creating a Doctor Appointment Booking System using the MERN Stack.



Step-2: Brainstorm, Idea Listing and Grouping

Raw Ideas Generated:

- · Multi-user login system (Admin, Doctor, Patient)
- · Real-time appointment booking with time slots
- · Doctor profile management
- Patient dashboard for managing appointments
- Admin dashboard for managing doctors and appointments
- · Online payment integration for appointment fees
- · Responsive frontend using React
- RESTful APIs using Express and Node.js
- MongoDB for database management
- Authentication using JWT
- · Profile and earning analytics for doctors
- Email/SMS notification system

Grouped Ideas:

- User Access & Roles: Patient login, Doctor login, Admin login
- Appointments: Booking, cancellation, time slot management
- Payment Integration: Online payment system for appointment fees
- Data Management: MongoDB for storing users, appointments, earnings
- Frontend Design: User-friendly interface using React.js
- Backend System: REST APIs using Express.js and Node.js
- Security: Secure login with JWT, role-based access
- Dashboards: Separate dashboards for Admin, Doctors, and Patients
- Notifications: Email reminders for appointments (future enhancement)

Step-3: Idea Prioritization



Step-3: Idea Prioritization

- High Priority:
 Patient, Doctor, Admin login system
- Appointment booking & management
 Analytics on earnings and
- Doctor profile management
- Admin dashboard with control over all operations
- Secure backend with role-based access
- Online payment integration

Medium Priority:

- Notification system (Email/SMS)
- appointments
- Detailed appointment history for users
 Mobile app version

- Low Priority:
 Review & Rating system for doctors
- Chat feature between doctor and patient