

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	16 February 2026
Team ID	LTVIP2026TMIDS34705
Project Name	DocSpot – Seamless Doctor Appointment Booking System
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

The brainstorming and idea prioritization process for **DocSpot – Seamless Doctor Appointment Booking System** focused on identifying key challenges in traditional healthcare appointment systems, such as manual booking methods, long waiting times, scheduling conflicts, and lack of transparency in doctor availability. The team conducted structured discussions to explore practical and technology-driven solutions that could improve efficiency and user experience. Various ideas were generated, including online appointment booking, real-time slot visibility, role-based access control for patients, doctors, and admins, and secure authentication using JWT and bcrypt. Advanced ideas like telemedicine integration, online payments, and AI-based recommendations were also considered.

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

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

Problem Statement

The team met to discuss issues in traditional healthcare booking systems.

The team selected digital doctor appointment booking as the final problem statement.

Problem Statement

Members collaborated and shared solution ideas.

Ideas were evaluated based on feasibility and impact.

Step-2: Brainstorm, Idea Listing and Grouping

DOCSPOT - BRAINSTORM & GROUPING TEMPLATE

1. CORE SYSTEM BRAINSTROMMING

USER INTERFACE (UI/X)  Clean, Intuitive Dashboards <ul style="list-style-type: none">Doctor Profile Cards3-Click Booking Flow	COMMUNICATION  Automated SMS Reminders <ul style="list-style-type: none">In-App Secure ChatHD Video Consultations	DATA MANAGEMENT  Integrated EHR <ul style="list-style-type: none">Secure Prescription StorageHIPAA-compliant Encryption	OPERATIONS & BILLING  Real-time Calendar Sync <ul style="list-style-type: none">Automated Queue ManagementSecure Payment Gateways
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2. GROUPING TEMPLATE STRUCTURE

GROUP	KEY FEATURES / IDEAS	GROUP	PRIORITY
PATIENT PANEL	Search, Availability, History	HIGH	HIGH
DOCTOR PANEL	Schedule, E-Prescribe, Records	HIGH	MEDIUM
ADMIN HUB	Onboarding, Analytics, Revenue	MEDIUM	LOW/FUTURE

3. WORKFLOW VISUALIZATION

- 1. DISCOVERY**

Patient searches, views profiles.
- 2. BOOKING** 

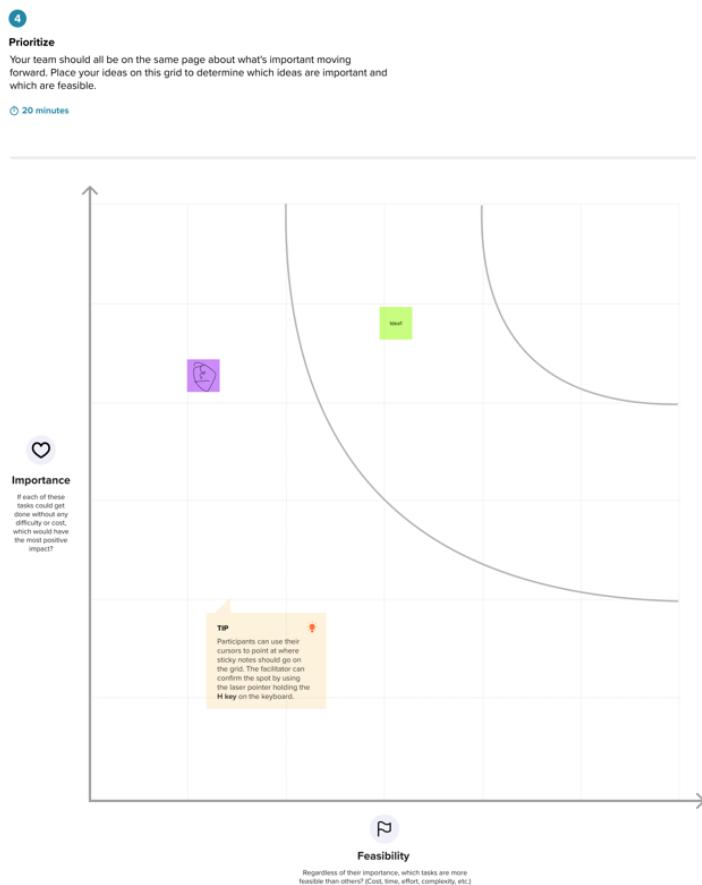
In-portal selects slot, instant booking.
- 3. CONSULTATION**

In-person/virtual visit, EHR access
- 4. FOLLOW-UP** 

Digital prescription, automated feedback

During the brainstorming phase, the team identified key problems in traditional healthcare appointment systems and generated multiple solution ideas such as online booking, real-time availability, role-based access, and secure authentication.

Step-3: Idea Prioritization



Idea prioritization was carried out by evaluating each proposed feature based on its impact, feasibility, development time, cost, scalability, and security. Core functionalities such as user registration, doctor listing, appointment booking, and role-based access control were marked as high priority for the initial release, while advanced features like telemedicine, payment integration, and AI recommendations were planned for future enhancements to ensure a structured and scalable development approach.