

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	28 June 2025
Team ID	LTVIP2025TMID59281
Project Name	Docspot
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

The screenshot shows a digital template for a Brainstorm & Idea Prioritization session. On the left, there's a sidebar labeled 'Template' with a blue vertical bar. The main area has three columns:

- Top Left Column:** Features a lightbulb icon with wavy lines, a title 'Brainstorm & idea prioritization', and a sub-instruction: '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.' It also lists preparation time: '10 minutes to prepare', '1 hour to collaborate', and '2-8 people recommended'.
- Top Middle Column:** Titled 'Before you collaborate', it contains a note: 'A little bit of preparation goes a long way with this session. Here's what you need to do to get going.', a timer icon showing '10 minutes', and three steps:
 - Team gathering:** 'Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.'
 - Set the goal:** 'Think about the problem you'll be focusing on solving in the brainstorming session.'
 - Learn how to use the facilitation tools:** 'Use the Facilitation Superpowers to run a happy and productive session.'A 'Open article' button is at the bottom of this section.
- Top Right Column:** Titled 'Define your problem statement', it includes a note: 'Scheduling a medical appointment can be time-consuming, confusing, and inefficient.', a timer icon showing '8 minutes', and a 'Problem' box with text: 'Patients canceling at the last minute, lack of visibility into doctor availability, or struggle with finding qualified healthcare professionals'. A 'Key rules of brainstorming' box is also present with six rules: Stay in topic, Encourage wild ideas, Defer judgment, Listen to others, Go for volume, and If possible, be visual.

At the bottom, there's a 'Need some inspiration?' section with a grid of colorful icons and a 'Open example' button.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes

TIP

You can select a sticky note and hit the pencil icon to edit it.

Person 1



Person 2



Person 3



Person 4



Type your heading...

Type your heading...

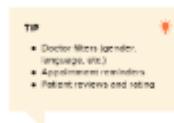


3

Group ideas

We aim to streamline this process by providing a seamless, user-friendly platform for patients to discover, compare, and book appointments with healthcare professionals instantly.

⌚ 20 minutes



Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

⌚ 20 minutes

After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

- Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

- Strategy blueprint**
Define the components of a new idea or strategy.
[Open the template →](#)
- Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
[Open the template →](#)

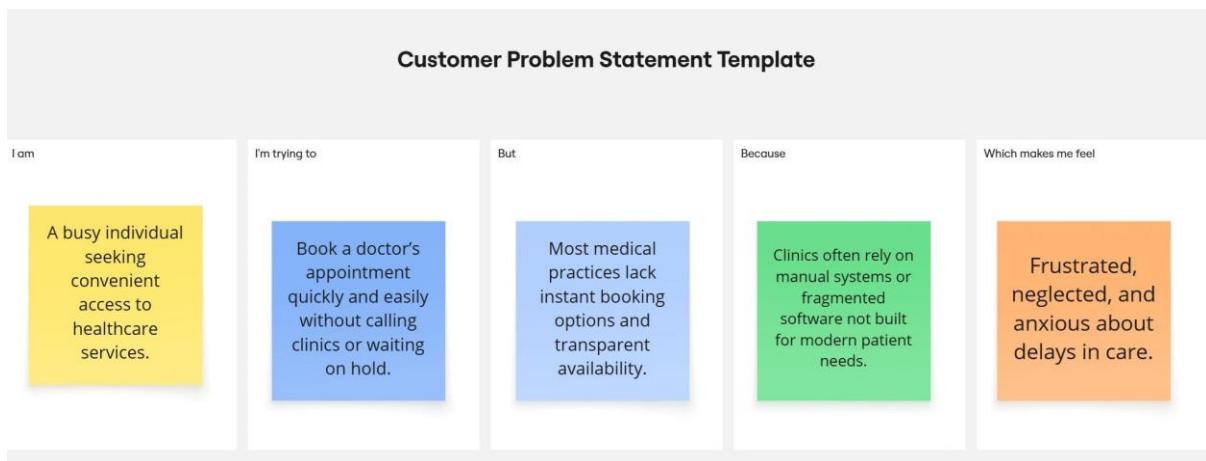
Ideation Phase

Define the Problem Statements

Date	28 June 2025
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Project Name	Docspot
Maximum Marks	2 Marks

Customer Problem Statement Template:

To define the core problems freelancers face while searching for jobs online, and use those insights to guide the development of Freelance Finder.



Reference: <https://miro.com/templates/customer-problem-statement/>

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a working professional with a tight schedule	book a doctor's appointment quickly without phone calls or long wait times.	most clinics don't have real-time booking systems or clear availability info	their systems are outdated or fragmented	frustrated and anxious about my health getting worse while waiting.
PS-2	a general physician running a small clinic.	manage patient bookings efficiently and reduce no-shows.	my current tools are manual or not tailored to healthcare workflows.	I can't afford or understand complex clinic management systems.	stressed and underpaid despite my busy schedule.

Ideation Phase

Empathize & Discover

Date	28 June 2025
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Project Name	Docspot
Maximum Marks	4 Marks

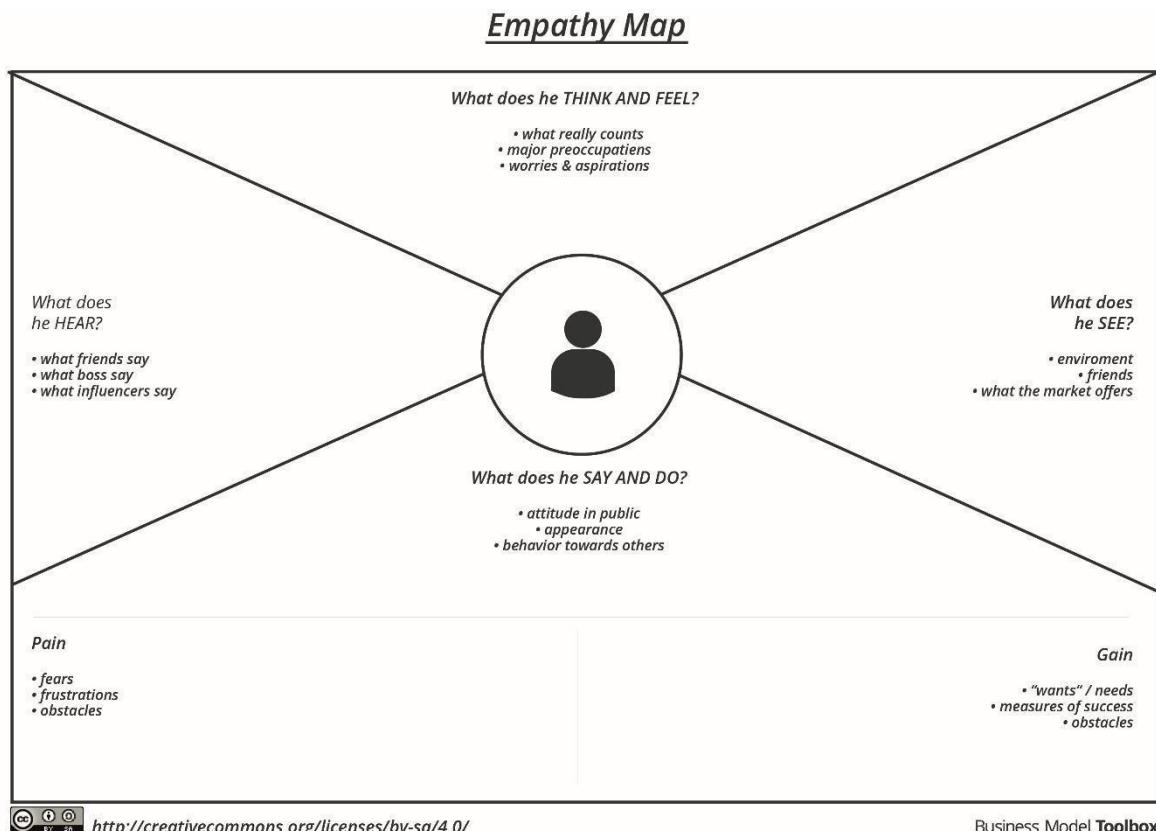
Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

It is a useful tool to helps teams better understand their users.

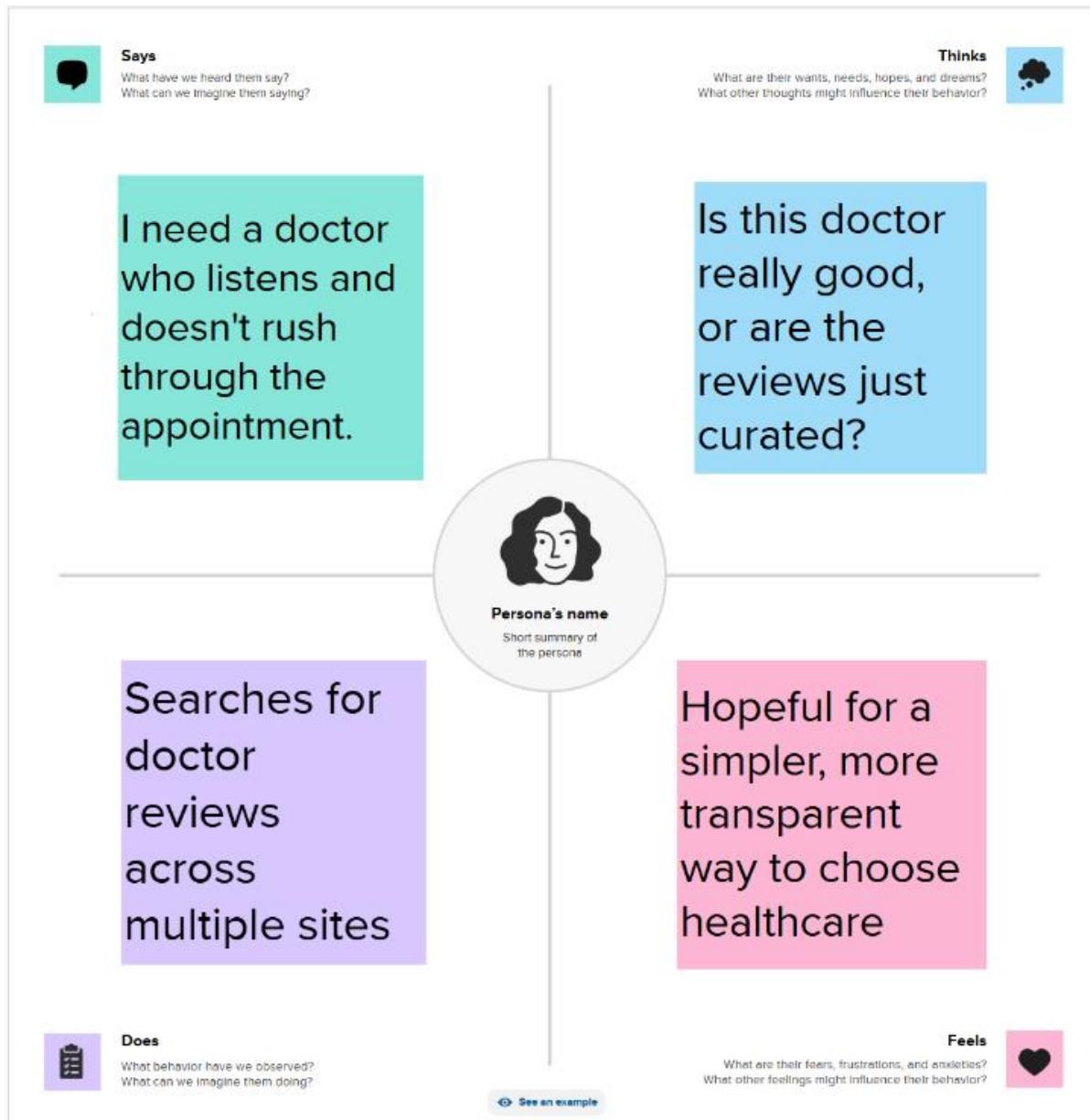
Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.

Example:



Reference: <https://www.mural.co/templates/empathy-map-canvas>

Example: LearnHub



User Acceptance Testing (UAT) Template

Date	28-06-2025
Team ID	LTVIP2025TMID59281
Project Name	DocSpot
Maximum Marks	

Project Overview:

Project Name: DocSpot

Project Description: A user-friendly platform that allows patients to book, reschedule, and manage medical appointments with healthcare professionals. Features include doctor search, real-time availability, appointment booking, video consultation, digital prescriptions, and calendar integration.

Project Version:v1.0.0

Testing Period: 2025-05-26 to 2025-06-02

Testing Scope:

- Patient registration and login
- Doctor profile creation and calendar setup
- Search and filter for doctors
- Real-time appointment booking
- Reschedule and cancel appointments
- Video consultation module
- Digital prescriptions
- Appointment reminders (SMS/email)
- Payment integration
- Review and rating system

Requirements to be Tested:

- As a patient, I want to easily search and book appointments with available doctors.
- As a doctor, I want to manage my availability and bookings.
- As a user, I want secure login, video consultations, and payments.
- As an admin, I want to manage users and handle disputes or feedback.

Testing Environment:**Testing Environment**

URL: <https://docspot.example.com>

Credentials:

- **Patient:** test.patient@example.com / patient123
- **Doctor:** test.doctor@example.com / doctor123
- **Admin:** admin@docspot.com / adminpass

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	User Registration	1. Visit site 2. Click "Sign Up" 3. Fill & submit form	Profile saved	Account created, redirected to dashboard	[Pass/Fail]
TC-002	Doctor Profile Creation	1. Login as doctor 2. Fill bio & availability 3. Save	Profile saved, listed in search results	Account created, redirected to dashboard	[Pass/Fail]
TC-003	Book Appointment	1. Search doctor 2. Select time 3. Confirm booking	Booking confirmed and shown in user dashboard	Appointment will be booked	[Pass/Fail]

Bug Tracking:

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Filter not working properly	1. Search with location + specialty	Medium	Open	Only partial results shown
....

Sign-off:

Tester Name: Sidhartha

Date: 26-05-2025

Signature: Sidhartha

Notes:

- Test across **multiple devices and browsers**.
- Cover **positive and negative** cases (e.g., invalid input, empty search, etc.).
- Track all bugs with reproduction steps and severity.
- Sign-off is required from the **project manager** and **product owner** before release.

Project Design Phase

Problem – Solution Fit Template

Date	28-06-2025
Team ID	LTVIP2025TMID59281
Project Name	DocSpot
Maximum Marks	2 Marks

Problem – Solution Fit Overview:

The Problem–Solution Fit ensures that DocSpot effectively tackles the challenges in appointment booking faced by both patients and healthcare providers. This validation is essential before expanding the platform.

Purpose:

- Simplify and streamline the appointment booking process.
- Provide a centralized platform for schedule management to avoid conflicts and delays.
- Enhance patient access to timely healthcare services through smart search and booking.
- Improve communication via reminders to reduce no-shows and cancellations.

Problem Statement:

Patients and healthcare providers face challenges such as:

- Complex and time-consuming appointment booking.
- Lack of centralized scheduling causing overlaps and missed appointments.
- Poor communication and reminder systems leading to high no-show rates.
- Difficulty in quickly finding available doctors or specialists.
- Managing appointments across multiple platforms or clinics is inconvenient.

Solution:

DocSpot offers a seamless appointment booking platform with:

- Easy search and booking using filters like specialty, location, and availability.

- Real-time calendar management for providers to optimize schedules.
- Automated reminders and notifications to reduce no-shows.
- Secure patient profiles with appointment history and preferences.
- Telehealth integration for virtual consultations.
- Admin controls for managing providers, appointments, and reporting.

Project Design Phase
Proposed Solution Template

Date	28-06-2025
Team ID	LTVIP2025TMID59281
Project Name	DocSpot
Maximum Marks	2 Marks

Proposed Solution for DocSpot App

S. No.	Parameter	Description
1	Problem Statement (Problem to be solved)	Patients often face long wait times, inconvenient appointment scheduling, and poor communication with healthcare providers. On the provider side, managing slots, follow-ups, and patient data remains inefficient.
2	Idea / Solution Description	DocSpot is a full-stack healthcare appointment booking platform that connects patients with healthcare providers. It features real-time availability, secure appointment scheduling, digital payments, and reminders. Admin tools help manage users and service quality.
3	Novelty / Uniqueness	<ul style="list-style-type: none"> - Real-time appointment availability - Role-based access for patients/doctors/admins - Secure payment integration - SMS/email reminders - Option for teleconsultation (video call integration)
4	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> - Reduces patient wait times and no-shows - Empowers rural or remote access to care via telehealth - Enhances patient-provider communication - Digitally transforms outdated booking systems
5	Business Model (Revenue Model)	<ul style="list-style-type: none"> - Freemium model for clinics with basic features - Subscription for advanced features (analytics, teleconsultation, branded portal) - Transaction fee on payments (optional) - White-label B2B partnerships with hospitals
6	Scalability of the Solution	<ul style="list-style-type: none"> Designed for clinics, hospitals, and telehealth startups - Global-ready with multi-language, multi-timezone, and multi-currency support - Mobile-first UX with future React Native or Flutter app

		- Modular microservices-based backend for flexibility
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Project Design Phase

Solution Architecture

Date	28-06-2025
Team ID	LTVIP2025TMID59281
Project Name	Doc Spot
Maximum Marks	4 Marks

Solution Architecture:

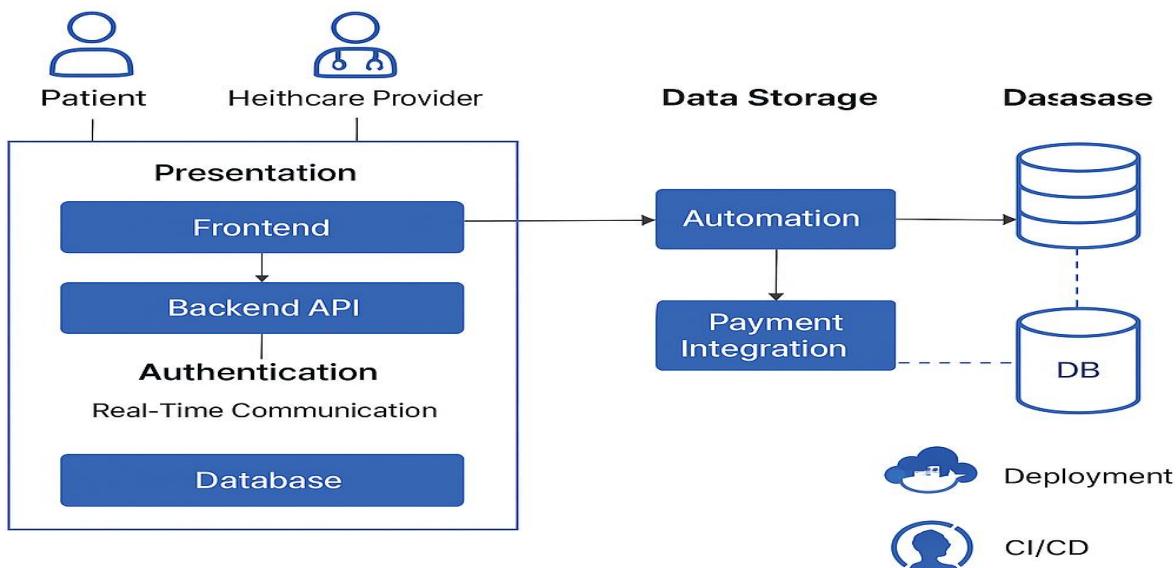
To provide a user-friendly, secure, and scalable healthcare appointment booking system that bridges the gap between patients and healthcare providers.

- Effortless Appointment Booking
 - End-to-End Patient Management
 - Scalable user authentication and authorization
 - Secure and trackable payment transactions
 - Reliable real-time chat and notifications

Example - Solution Architecture Diagram:

Solution Architecture

DocSpot: Seamless Appointment Booking for Health



Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	28-06-2025
Team ID	LTVIP2025TMID59281
Project Name	DocSpot
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Product Backlog & Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Authentication	USN-1	As a user, I can sign up and log in securely.	3	High	
		USN-2	As a user, I can reset my password.	2	Medium	
Sprint-2	Doctor Discovery & Booking	USN-3	As a patient, I can search and filter doctors by location/speciality.	2	High	
Sprint-3	Profile Management	USN-4	As a doctor, I can set up and update my profile and availability.	3	High	
		USN-5	As a user, I can update my profile information.	2	High	
		USN-6	As a user, I can send/receive messages.	2	Medium	
Sprint-4	Payment Integration & Reviews	USN-7	As a client, I can pay freelancers securely.	3	High	
		USN-8		2	Medium	

			As a user, I can leave a review after project completion.			
		USN-9	As a user, I can change my password.	2	Medium	

Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	1 May 2025	2 June 2025	20	2 June 2025
Sprint-2	20	6 Days	3 May 2025	4 June 2025	20	4 June 2025
Sprint-3	20	6 Days	5 May 2025	6 June 2025	20	6 June 2025
Sprint-4	20	6 Days	7 May 2025	8 June 2025	20	8 June 2025

Project Design Phase-II

Data Flow Diagram & User Stories

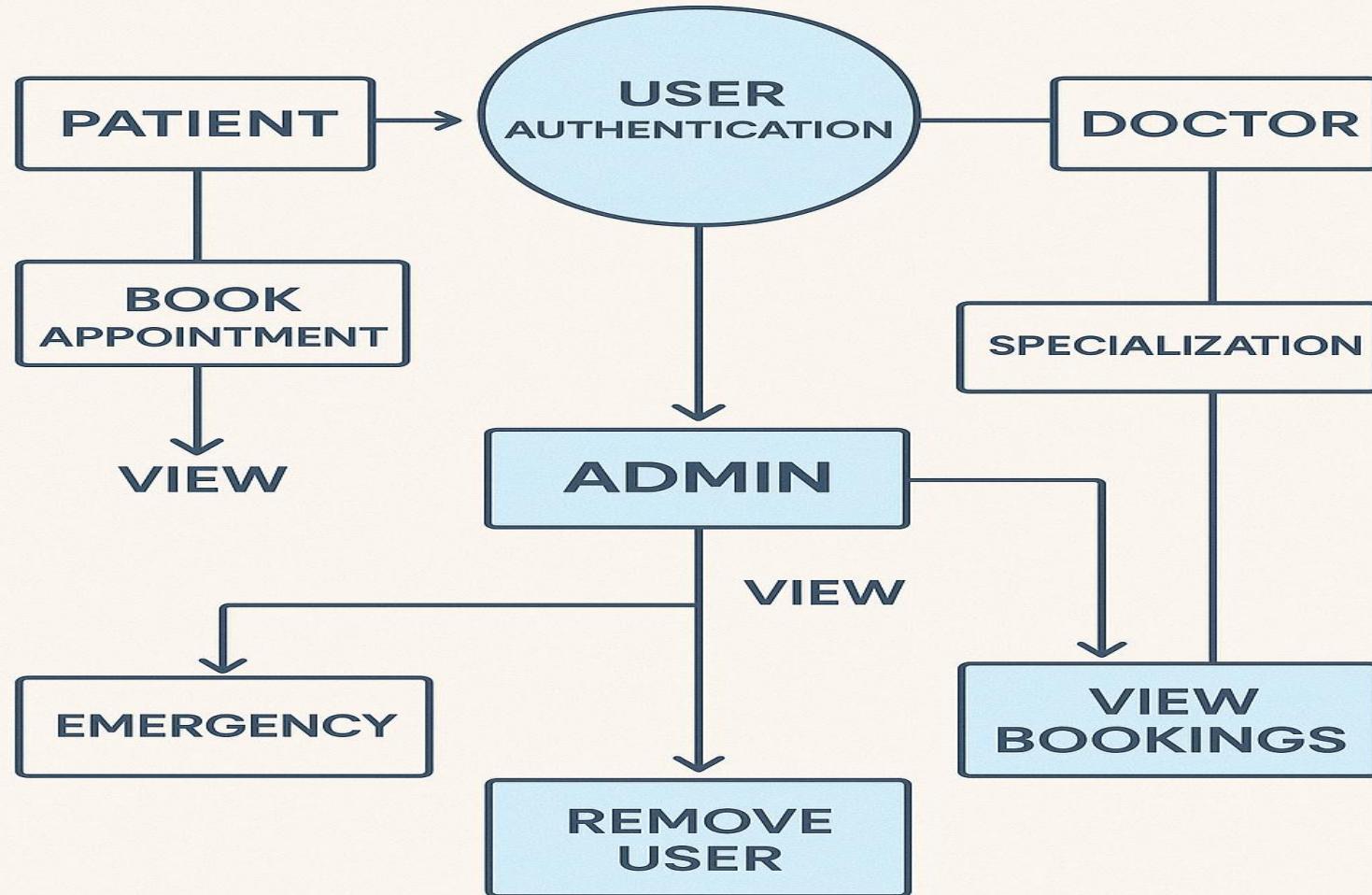
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Maximum Marks	4 Marks

Data Flow Diagrams:

A **Data Flow Diagram (DFD)** illustrates how data moves within the Freelance Finder platform. It captures how users (freelancers and clients) interact with the system, how information flows between different components, and where the data is stored.

Example: DFD Level 0 (Industry Standard)

DOCSPOT



User Stories

User Story Table – DocSpot

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Release
Patient	Appointment Booking	As a patient, I can search for doctors by specialty and location.	Search results return relevant doctors.	High	Sprint-1
		As a patient, I can book, reschedule, or cancel appointments.	Appointment status updates accordingly.	Medium	Sprint-2
Healthcare Provider	Schedule Management		Changes reflect immediately in patient booking system.	High	Sprint-1

		As a provider, I can manage my availability calendar.			
User	Messaging	As a user, I can chat with the other party in real-time.	Messages appear instantly.	Medium	Sprint-2
Admin	Profile Management	As a Admin, I can update my profile.	Changes are saved successfully.	High	Sprint-2
Client	Payment Processing	As a client, I can make secure payments after job completion.	Payment recorded and shown in transaction history.	High	Sprint-2
user	Review System	As a user, I can leave a review after project closure.	Review appears on profile.	Medium	Sprint-2
Admin	User Moderation	As an admin, I can review reported users and take action.	Reports and actions logged.	High	Sprint-1

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	28-06-2025
Team ID	LTVIP2025TMID59281
Project Name	DocSpot
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements – Music Streaming App

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset
		OAuth login using Google / GitHub
FR-2	Appointment Booking	Search doctors by specialty, location, and availability
		Book, reschedule, and cancel appointments
FR-3	Calendar & Schedule Management	Freelancers apply to jobs
		View upcoming and past appointments
FR-4	Notifications & Reminders	Automated SMS/email reminders for upcoming appointments

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description

NFR-1	Usability	The platform should provide a simple, clean UI for all users, including providers.
NFR-2	Security	All patient and appointment data must be encrypted. Implement role-based access and secure authentication
NFR-3	Reliability	Appointment booking, notifications, and telehealth services must be available and dependable at all times.
NFR-4	Performance	Pages and booking actions should load within 2 seconds; reminders and notifications should be timely.
NFR-5	Availability	The system should ensure 99.9% uptime with minimal downtime.
NFR-6	Scalability	Support a growing number of users, providers, and concurrent bookings without degradation.

Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	28-06-2025
Team ID	LTVIP2025TMID59281
Project Name	DocSpot
Maximum Marks	4 Marks

Technical Architecture:

DocSpot is designed with a scalable 3-tier architecture consisting of:

- **Presentation Layer (Frontend):** User-friendly interface for patients and healthcare providers to book and manage appointments.
- **Business Logic Layer (Backend):** Handles appointment scheduling, notifications, user management, and telehealth integration.
- **Data Storage Layer:** Secure storage of user profiles, appointment records, and healthcare provider details.

The platform integrates with third-party APIs for notifications (SMS/email) and telehealth services to enhance usability.

Table-1 : Components & Technologies:

S.N o	Component	Description	Technology
1.	User Interface	Web and mobile-friendly interface for patients and providers	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	Appointment booking, calendar management, reminders	Node.js, Express.js
3.	Application Logic-2	Admin panel, provider management, reporting	React js, Node js
4.	Database	Stores user profiles, appointments, provider datas	MongoDB

Table-2: Application Characteristics:

S.N o	Characteristics	Description	Technology
5.	Open-Source Frameworks	Frontend frameworks	React.js, Node.js, BootStrap, Tailwind CSS
6.	Scalable Architecture	3-tier architecture with RESTful APIs	Microservices

References:

[React.js Documentation](#)

[Node js Best Practice](#)

[JSON Web Server Reference](#)

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>