

Project Design Phase

Problem – Solution

Date	26-05-2025
Team ID	LTVIP2025TMID58800
Project Name	DocSpot Doctor Appointment
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.

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.