

## Project Design Phase Proposed Solution

Date	29-11-2025
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Project Name	DocSpot
Maximum Marks	2 Marks

### Proposed Solution for Freelance Finder

S. No.	Parameter	Description
1	<b>Problem Statement</b> (Problem to be solved)	Patients struggle to find the right doctor based on specialization, experience, location, and availability. Hospitals and clinics still depend on manual appointment scheduling, causing delays, mismanagement, and confusion. Doctors lack an organized system to manage their timings, appointments, and patient details.
2	<b>Idea / Solution Description</b>	<p>DOCSPOT is a web-based full-stack appointment booking system (MERN) that connects patients with doctors seamlessly.</p> <p>It provides:</p> <ul style="list-style-type: none"> <li>• A modern interface for searching and booking appointments</li> <li>• Verified doctor profiles with qualification, specialization &amp; experience</li> <li>• Automated scheduling based on doctor availability</li> <li>• Appointment confirmation and reminder notifications</li> <li>• A doctor panel to manage availability, schedules, and bookings</li> <li>• An admin panel for platform management</li> </ul>
3	<b>Novelty / Uniqueness</b>	<ul style="list-style-type: none"> <li>• Real-time appointment availability system.</li> <li>• Doctor-side calendar + slot management</li> <li>• Verified doctor profiles (ensuring trust)</li> <li>• Automated appointment reminders (email/SMS optional)</li> <li>• Smart search with filters (experience, fees, ratings)</li> <li>• Fully digital paperless interaction</li> </ul>
4	<b>Social Impact / Customer Satisfaction</b>	<ul style="list-style-type: none"> <li>• Reduces waiting time at clinics</li> <li>• Enables quick access to healthcare professionals</li> <li>• Helps patients choose the best doctor with transparency</li> <li>• Reduces appointment clashes &amp; human errors</li> <li>• Increases doctor efficiency through structured schedules</li> <li>• Useful for elderly people, busy individuals, and remote patients</li> </ul>

<b>5</b>	<b>Business Model (Revenue Model)</b>	<p>Possible revenue streams:</p> <ul style="list-style-type: none"> <li>• Subscription plans for doctors</li> <li>• Commission per appointment</li> <li>• Featured doctor profiles (promotion)</li> <li>• Corporate clinic partnerships</li> </ul>
<b>6</b>	<b>Scalability of the Solution</b>	<ul style="list-style-type: none"> <li>• System can support thousands of doctors and patients</li> <li>• Can integrate digital payments for consultation fees</li> <li>• Expandable to multiple cities or nationwide platform</li> <li>• Telemedicine (video appointments) can be added</li> <li>• Mobile app version can be built using React Native  </li> </ul>