SehaTalk Platform — Project Proposal

1. Project Description

SehaTalk is an innovative Egyptian health-tech platform designed to bridge the gap between patients and verified doctors through an interactive, community-style environment. It combines the ease and familiarity of social media with the credibility of professional medical expertise, creating a trusted digital space for everyday health guidance.

On SehaTalk, patients can post questions, describe symptoms, or seek general medical advice — and receive direct, reliable responses from verified doctors. Every interaction contributes to a growing knowledge base of real medical discussions that visitors can freely explore without signing up, helping spread awareness and accurate health information across the community.

The platform emphasizes privacy, trust, and accessibility. While patients must create an account to post or interact, any user can browse public posts and doctor responses without registration, making medical insights easily accessible to everyone. Verified doctors, on the other hand, have professional profiles showcasing their specialization, clinic location, and consultation availability.

Importantly, SehaTalk focuses solely on non-critical consultations and general health advice. It promotes ethical medical communication by encouraging users to visit a doctor in person for any serious or specific diagnosis.

Ultimately, SehaTalk aims to build a digital health community grounded in trust, learning, and reassurance, empowering people to make informed decisions about their well-being.

2. Group Members & Roles

Name	Role	Responsibilities
Adham Ahmed (Team Leader)	Backend Developer & System Architect	Lead backend development using Next.js, design PostgreSQL database schema, manage authentication, and handle API integrations. Oversee coordination and deployment.
Abdelaziz Mohamed	Lead Frontend Developer & Integration Engineer	Lead frontend development using React and Tailwind, handle API integration, optimize performance, and collaborate with backend team on synchronization.
Sara Mahmoud	Frontend Developer & UI/UX Designer	Manage global state using Redux or Context API, ensuring efficient rendering and real-time updates.
Mohamed Nasser	Frontend Developer & API Integrator	Render data from the backend, manage API calls, and ensure smooth data flow across components.
Malak Hamdi	Frontend Developer & State Management Specialist	Design clean, accessible UI layouts in Figma and implement them with React and Tailwind. Focus on user-friendly interactions.
Salma Nasr	Frontend Developer & QA Tester	Test UI components, fix layout bugs, ensure responsiveness, and maintain code quality.

3. Team Leader

Adham Ahmed — Team Leader & Backend Developer Responsible for technical direction, coordination, and backend infrastructure.

4. Objectives

• Create a secure and interactive platform connecting patients and verified doctors.

• Develop a database of medical discussions and community advice for public access.

• Protect user privacy through profile controls and optional anonymous posting.

• Deliver a clean, responsive, and accessible UI experience for all devices.

• Maintain ethical boundaries by limiting the platform to non-prescriptive advice.

5. Tools & Technologies

• Frontend: React.js (within Next.js), Tailwind CSS, Redux / Context API

• Backend: Next.js API routes for server-side logic and integrations

• Database: PostgreSQL

• Authentication: JWT, bcrypt

• Hosting & Deployment: Vercel (frontend) + Render / AWS (backend)

• Version Control: Git & GitHub

• Design & Testing Tools: Figma, Postman

6. Milestones & Deadlines

Milestone	Description	Deadline
Planning & UI Design	Define project structure, create wireframes, and finalize tech stack	Week 1
Backend & Database Setup	Build API routes, authentication, and data models	Week 2–3
Frontend Core Development	Develop UI components, integrate APIs, and test responsiveness	Week 3–5
Testing & Optimization	Conduct end-to-end testing, bug fixing, and UI optimization	Week 6
Deployment & Presentation	Deploy the final version and present the demo	Week 7

7. KPIs (Key Performance Indicators)

Category	KPI	Target
Code Quality & Development	Clean, modular, and reusable code with proper documentation	90%+ reusability and maintainability

Performance & Optimization	Load time and API response speed	Load time < 2.5s, API latency < 400ms
User Experience (UX)	Accessibility, mobile design, and overall satisfaction	95% responsive coverage; >85% user satisfaction
Deployment & Scalability	Cloud deployment success and SEO performance	99% uptime; SEO score > 80
Business & Functional Impact	Feature completion and user engagement	100% MVP completion; <24h bug resolution time