Table of Contents

1. Introduction

Welcome to the Trusted Doctors project documentation! Trusted Doctors is an

innovative web application designed to connect users with healthcare professionals, enabling seamless communication and access to quality healthcare services. Our platform provides a user-friendly interface for both doctors and users, fostering a transparent and reliable healthcare ecosystem.

2. Project Overview

The main goal of Trusted Doctors is to create an online platform where users can interact with verified doctors, ask questions, rate their experiences, and even engage in virtual consultations. Doctors, on the other hand, can create their profiles, showcase their expertise, and connect with potential patients. By facilitating efficient communication and feedback, we aim to enhance the quality of healthcare services and build trust between doctors and patients.

3. Project Objectives

The primary objectives of Trusted Doctors are as follows:

- Allow doctors to create comprehensive profiles showcasing their credentials and specialties.
- Enable users to ask questions and receive expert advice from verified doctors.
- Implement a rating and review system to gather feedback from users about their experiences with doctors.
- Enable users to share their healthcare experiences with the community.
- Provide a secure and efficient platform for virtual consultations between doctors and patients.

4. Key Features

4.1 User Registration and Profile Creation

- Users can register and create their accounts using email or social media credentials.
- Doctors can sign up and create detailed profiles, including their qualifications, specializations, and availability.

4.2 Asking Questions and Rating Doctors

- Registered users can post questions related to healthcare and receive responses from verified doctors.
- Users can rate doctors based on their experiences and provide feedback.

4.3 Sharing Experiences and Reviews

- Users can share their healthcare experiences with the community through reviews and testimonials.
- The rating system allows users to provide detailed feedback, helping others make informed decisions.

4.4 Virtual Consultation

- Trusted Doctors offers a secure and confidential platform for virtual consultations between doctors and patients.
- Users can schedule appointments, conduct video consultations, and seek medical advice from the comfort of their homes.

5. Technology Stack

- Front-end: HTML, CSS, JavaScript, ReactJS

- Back-end: Node.js, Express.js
- Database: MongoDB
- Real-time Communication: WebSockets (Socket.io)
- Authentication: JWT (JSON Web Tokens)
- Deployment: AWS, Docker

6. User Roles and Permissions

Trusted Doctors implements the following user roles:

- Guest: Users who are not logged in. They can view the homepage and register or log in to access additional features.
- User: Registered users who can ask questions, rate doctors, and share experiences.
- Doctor: Verified healthcare professionals who can create profiles, respond to questions, and participate in virtual consultations.

7. User Registration and Profile Creation

User registration is a straightforward process where users provide essential details, such as name, email, and password, to create their accounts. Doctors are required to provide additional information, including qualifications and specialties, to create comprehensive profiles.

8. Asking Questions and Rating Doctors

Users can post healthcare-related questions and select the relevant specialty to receive responses from verified doctors. Doctors can access the questions and provide expert advice. Additionally, users can rate doctors based on their interactions and experiences.

9. Sharing Experiences and Reviews

Users can share their healthcare experiences, both positive and negative, through detailed reviews and testimonials. This feature empowers users to make informed decisions while choosing healthcare providers.

10. Virtual Consultation

Trusted Doctors offers a secure and encrypted platform for virtual consultations. Users can schedule appointments with doctors, conduct video consultations, and discuss medical concerns privately.

11. Security and Data Privacy

Data security and privacy are of utmost importance to Trusted Doctors. The platform employs encryption and secure protocols to protect user information and interactions. Personal data is handled with strict adherence to applicable data protection regulations.

12. Conclusion

Trusted Doctors is committed to providing a reliable and efficient platform for users and doctors to connect, communicate, and improve the quality of healthcare services. By leveraging modern technologies and implementing stringent security measures, we aim to create a seamless and trustworthy healthcare ecosystem.

For any questions or further inquiries, please feel free to contact our team. Thank you for considering Trusted Doctors for your healthcare needs. We look forward to contributing to your well-being and health.

Sincerely,

Chetan Pun