

Project Name:Dr.Online- Doctor-Patient Portal

Author:Abdulrahman Ghourabi

Course: Web Programming Advanced

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Abstract

Dr.Online is a web-based portal connecting doctors and patients. It allows users to log in, sign up, and access dashboards tailored to their roles. The platform includes functionalities such as discussion forums, medical studies access, and account management. This project demonstrates the use of React, client-side routing, and dynamic state management to build an interactive, single-page application.

System Design

- **Frontend:** React.js, React Router
- **Components:** Home, About, Contact, Dashboard, Discussion, Medical Studies, Navbar
- **Routing:** Client-side routing with `react-router-dom` for page navigation
- **State Management:** React `useState` for managing login, sign-up, and form data
- **UI/UX:** Responsive layout, interactive buttons, conditional rendering for login/sign-up

Flow:

1. User visits Home → selects role → enters ID → redirected to Dashboard.
2. Sign-up option available if ID not found.
3. Navbar provides navigation to About, Contact, and other pages.

Technologies Used

- React.js
- JavaScript (ES6+)
- React Router (`react-router-dom`)
- CSS (Custom styling in `App.css`)
- Git & GitHub (Version control)
- Vercel (Deployment)