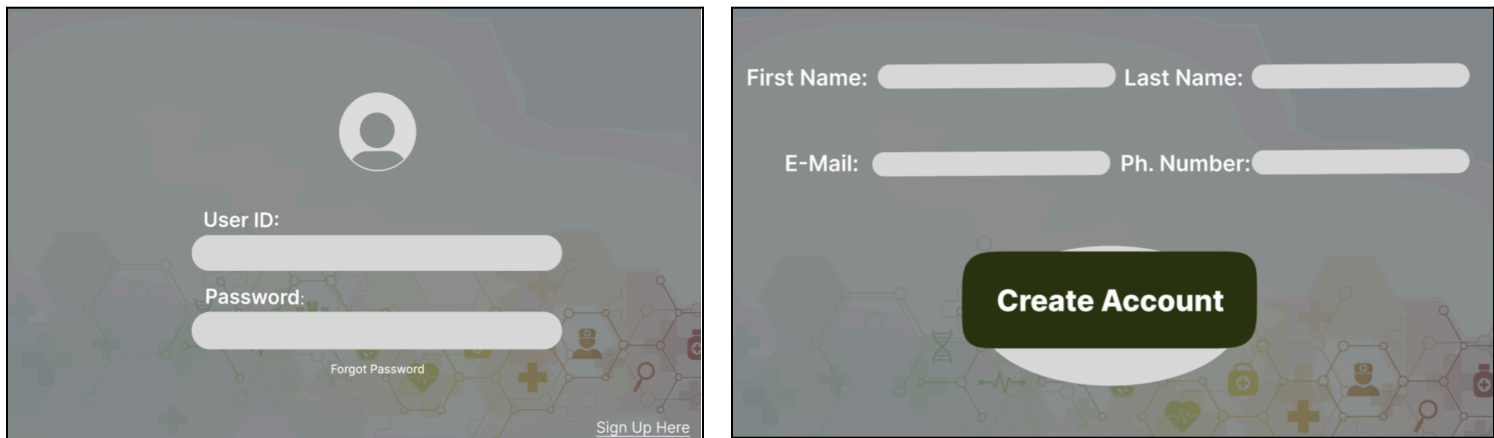


Pediatric Office Automation Overview

Important: The Github repository for this project has to be private, which is the reason for this document.

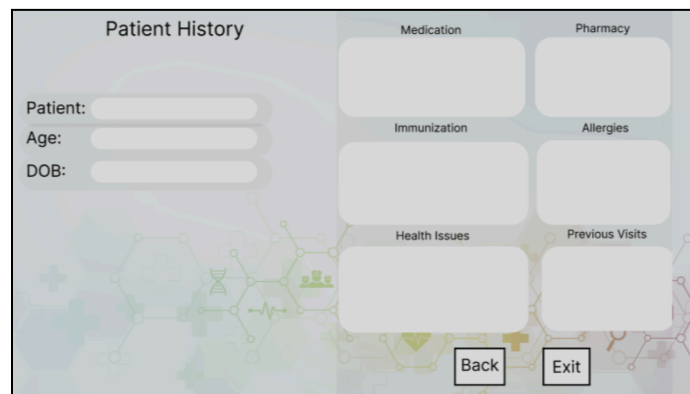
Login Screen



The image shows two side-by-side screenshots of the application's login and registration interface. The left screen is the login page, featuring a circular profile icon placeholder at the top. Below it are input fields for 'User ID:' and 'Password:', each with a white text input box. A 'Forgot Password' link is positioned below the password field, and a 'Sign Up Here' link is at the bottom right. The right screen is the 'Create Account' page, with input fields for 'First Name:', 'Last Name:', 'E-Mail:', and 'Ph. Number:'. A large, dark green 'Create Account' button is centered below these fields. Both screens have a light gray background with a subtle pattern of medical icons like a heart, DNA helix, and pills.

The login screen provides a unified authentication system for all users, including doctors, nurses, and patients. Users can sign in with their unique credentials, recover a forgotten password, or create a new account. During registration, users enter their personal details, which are used to generate a unique system identifier. After authentication, users are automatically routed to the portal that matches their role, ensuring secure and role-based access to the system.

Patient History View:



The image shows a screenshot of the 'Patient History View' screen. On the left, there are input fields for 'Patient:', 'Age:', and 'DOB:'. The main area on the right is divided into six sections: 'Medication', 'Pharmacy', 'Immunization', 'Allergies', 'Health Issues', and 'Previous Visits'. Each section has a corresponding white text input box. At the bottom right, there are 'Back' and 'Exit' buttons. The background is light gray with a subtle pattern of medical icons.

This screen displays a complete, read-only medical profile for a selected patient. It includes key identifiers such as name, age, and date of birth, along with structured sections for medications, immunizations, health issues, pharmacy information, allergies, and previous visits. Both nurses and doctors can quickly review this

information to support clinical decision-making while maintaining data integrity through controlled editing elsewhere in the system.

Doctor Portal:

The Doctor Portal interface features a top section with 'Patient:' and 'Age:' input fields. Below this, the layout is divided into three main areas: 'Vitals' on the left, 'Recommendations' and 'Prescriptions' at the top right, and 'Physical Examination' in the center right. The 'Vitals' section includes input fields for Weight, Height, Body Temperature, and Blood Pressure, each with a 'Save' button. The 'Recommendations' and 'Prescriptions' areas are large text boxes. The 'Physical Examination' area is also a large text box. At the bottom, there are 'Save', 'Exit', and 'Patient History' buttons. The interface has a light blue background with a subtle pattern of medical icons.

The doctor portal provides a centralized workspace for reviewing patient data and recording medical decisions. Doctors can view vital signs entered by nurses, update examination findings, issue prescriptions, and write treatment recommendations. All changes can be saved or finalized and are automatically stored in the patient's medical record, ensuring accurate documentation and continuity of care.

Nurse Portal:

The Nurse Portal interface features a top section with 'Patient:', 'Age:', and 'DOB:' input fields. Below this, the layout is divided into three main areas: 'Vitals' on the left, 'Visit Information' at the top right, and 'Purpose of Visit' in the center right. The 'Vitals' section includes input fields for Weight, Height, Body Temperature, and Blood Pressure, each with a 'Save' button. The 'Visit Information' section includes 'Health Issues' and 'Allergies' input fields. The 'Purpose of Visit' area is a large text box. At the bottom, there are 'Save', 'Submit', and 'Patient History' buttons. The interface has a light blue background with a subtle pattern of medical icons.

The nurse portal allows nurses to collect and record patient vitals such as weight, height, temperature, and blood pressure. Nurses can also document allergies, health concerns, and the reason for the visit. Once submitted, this information becomes immediately available to doctors, enabling a streamlined workflow between clinical staff.

Patient Portal View

Patient Contact Information

Phone Number:

Email:

Home Address:

Insurance Information:

Pharmacy Location:

Patient Visit Summaries

Date:

Notes:

The patient portal allows patients to manage their own information and stay connected with their healthcare team. Patients can update their contact details, view summaries of recent visits, and communicate directly with nurses or doctors through the built-in messaging system. This gives patients transparency into their care and a simple way to ask follow-up questions.

Chat with the Healthcare Provider:

The integrated chat system enables secure communication between patients and medical professionals. Patients can send messages at any time, even when staff are offline, and continue conversations as needed. Medical professionals access their messages through their portal, allowing timely responses and improving patient engagement without requiring phone calls or in-person visits.