

Patient Record Management System



Presented by Fajeculay Erich Owen C.

Python Concepts

01.

GUI Development: Built a complete desktop application using the tkinter library.

02.

Data Handling: Mastery of Python fundamentals (functions, loops, conditionals) to manage data flow.

03.

External Integration: Successful integration of key modules:

- json: For persistent, file-based data storage.
- datetime / tkcalendar: For precise date tracking and a user-friendly date picker widget.
- Pillow: For advanced image handling (e.g., logo display).

Sustainable Development Goal

Strengthens Risk Management: Immediate digital access to critical data (e.g., Allergies, Blood Type) enables rapid and informed decision-making during emergencies.

Supports Universal Health Coverage (UHC): Streamlines administrative tasks, allowing healthcare staff to dedicate more time to direct patient care.

Ensures Data Quality: Provides a reliable, searchable, and auditable system that eliminates the errors and chaos of manual record-keeping.

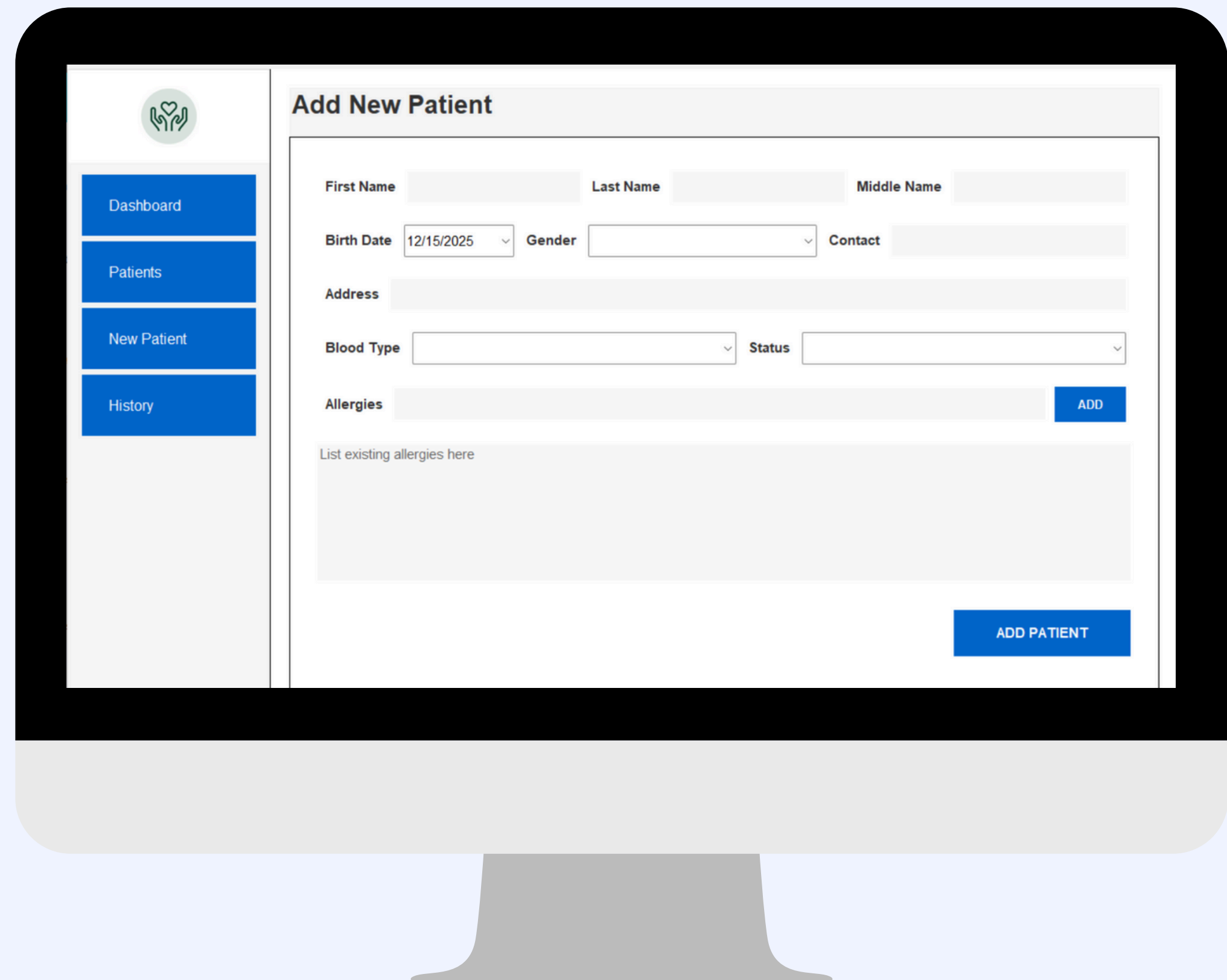


Key Features

01

CREATE:

Filling out and submitting a "New Patient" form.



The image shows a computer monitor displaying a web application interface for adding a new patient. The interface is divided into a sidebar on the left and a main content area on the right.

Sidebar:

- Logo: A green circle containing a white heart and two hands.
- Navigation links: Dashboard, Patients, New Patient, History.

Main Content Area:

Add New Patient

Form fields:

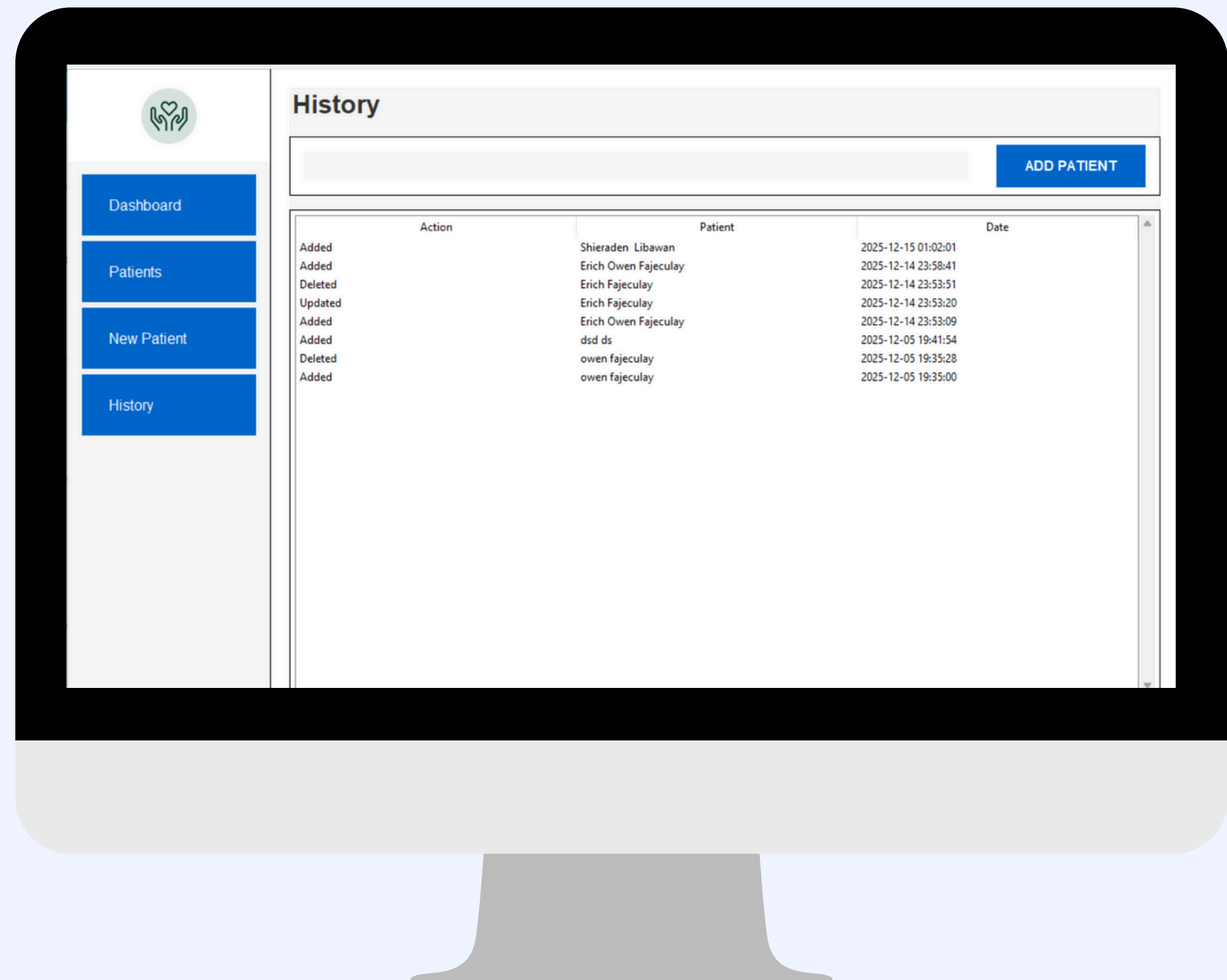
- First Name
- Last Name
- Middle Name
- Birth Date
- Gender
- Contact
- Address
- Blood Type
- Status
- Allergies
-
- List existing allergies here
-

Key Features

02

READ:

Viewing the list of all patients; using the search box.

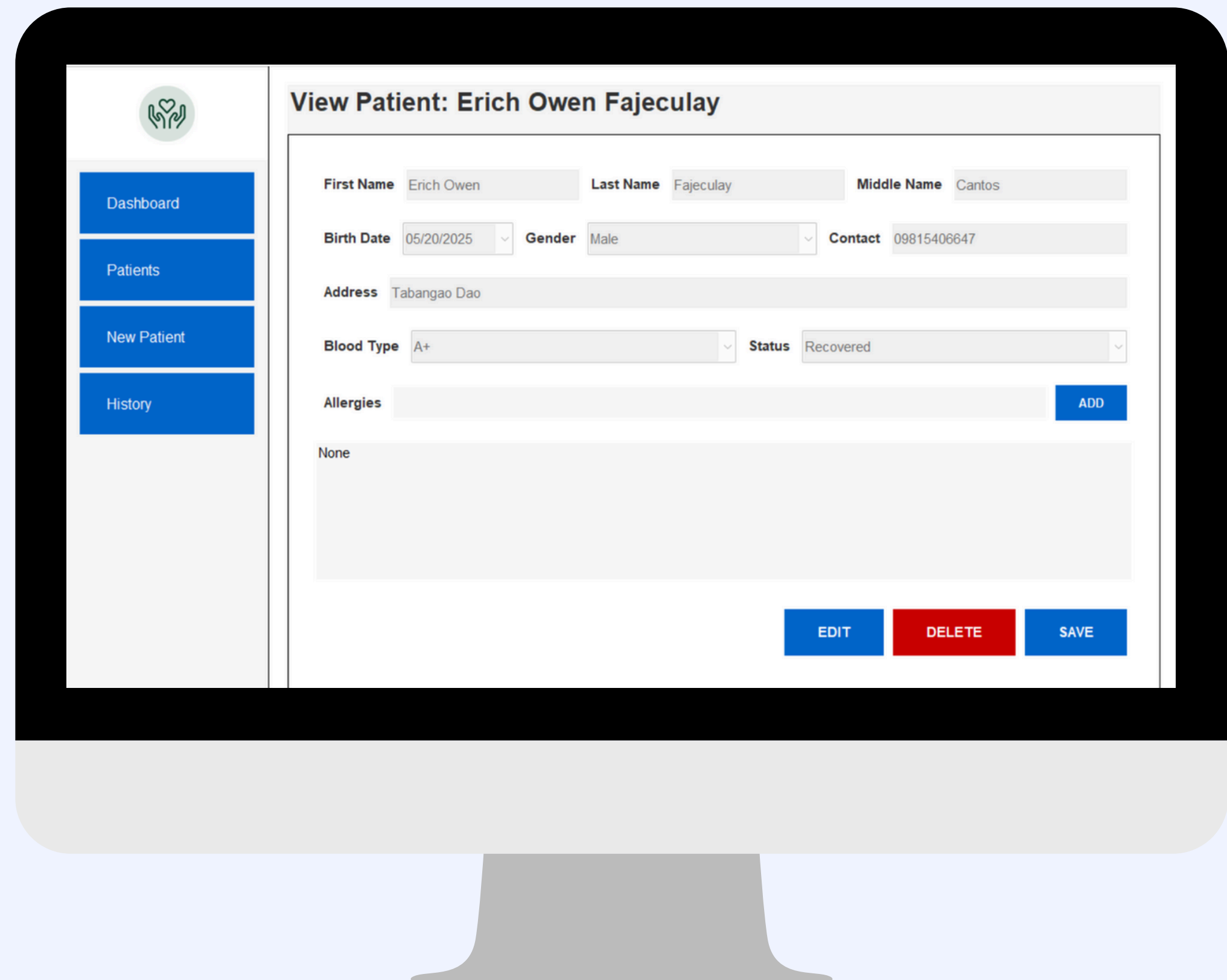


Key Features

03

UPDATE:

Double clicking selected patient record to modify and clicking save to save changes.



The image shows a computer monitor displaying a web application interface for patient management. The interface is divided into two main sections: a sidebar on the left and a main content area on the right.

Sidebar (Left):

- Dashboard
- Patients
- New Patient
- History

Main Content Area (Right):

View Patient: Erich Owen Fajeculay

The form contains the following fields and values:

- First Name:** Erich Owen
- Last Name:** Fajeculay
- Middle Name:** Cantos
- Birth Date:** 05/20/2025
- Gender:** Male
- Contact:** 09815406647
- Address:** Tabangao Dao
- Blood Type:** A+
- Status:** Recovered
- Allergies:** None

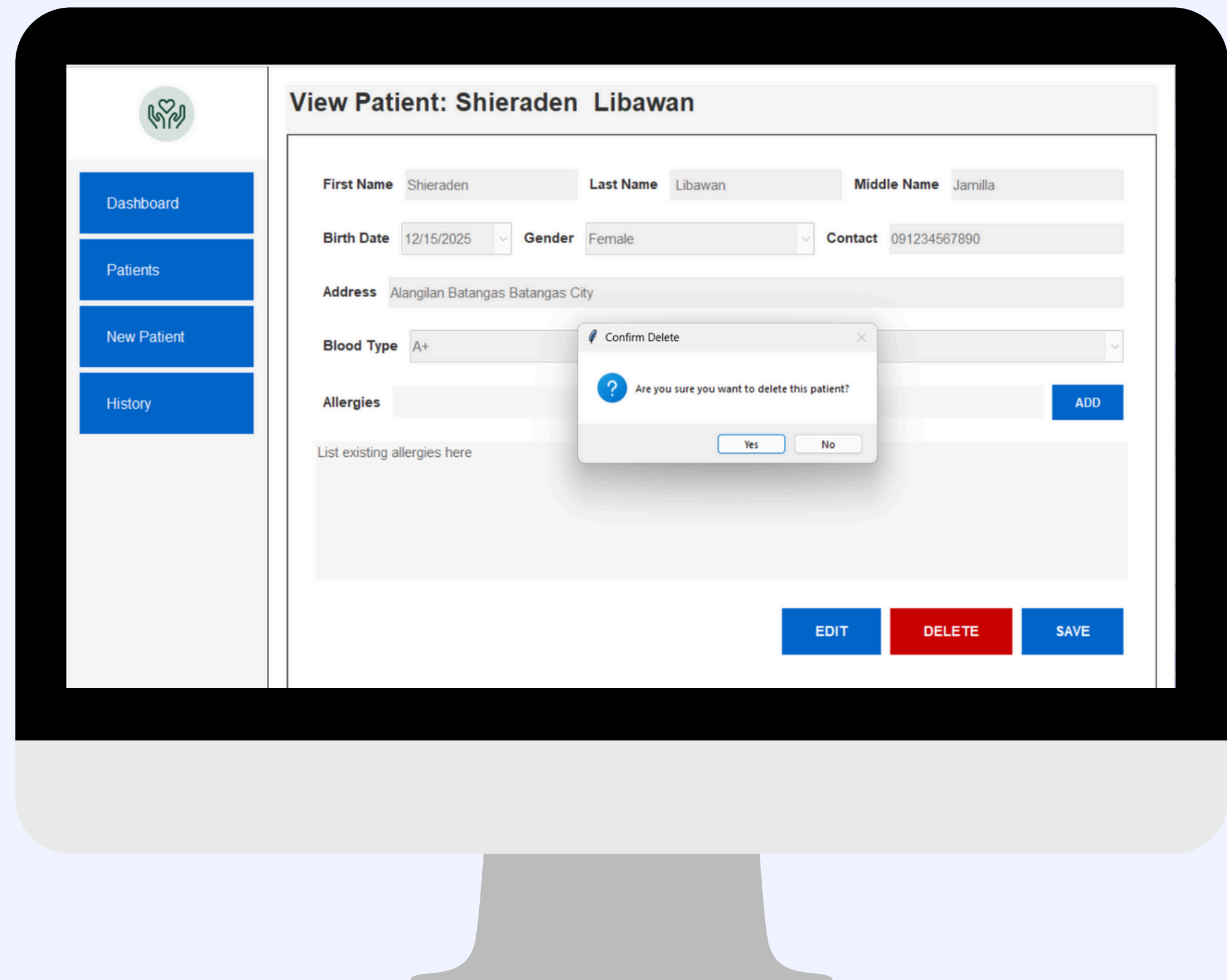
At the bottom right of the form, there are three buttons: **EDIT** (blue), **DELETE** (red), and **SAVE** (blue).

Key Features

04

DELETE:

Selecting a patient and clicking the "Delete" button.



Thank you!

