

Patient Record Management System



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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

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

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

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.

Add New Patient

First Name _____ Last Name _____ Middle Name _____

Birth Date 12/15/2025 Gender _____ Contact _____

Address _____

Blood Type _____ Status _____

Allergies _____ ADD

List existing allergies here

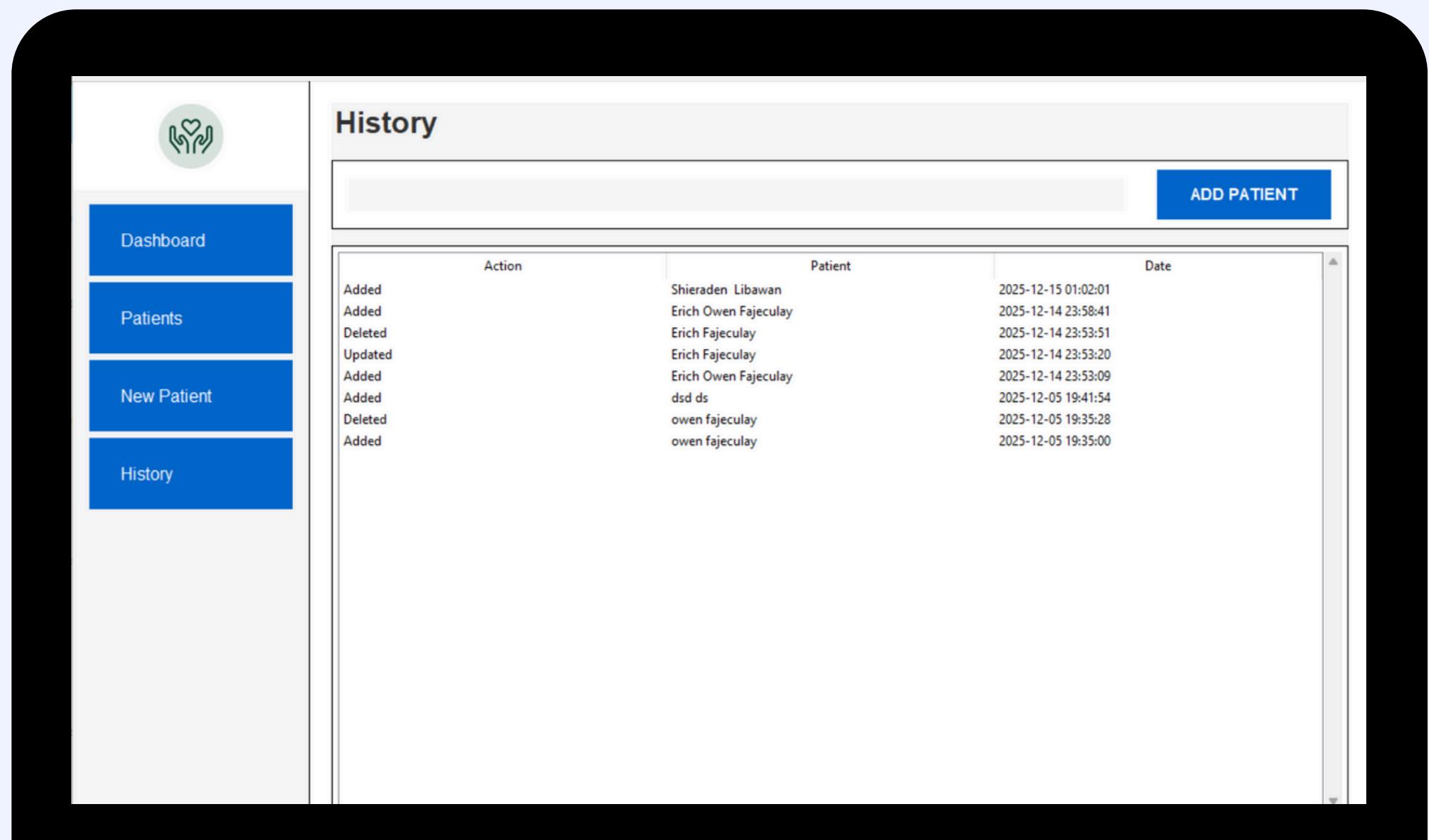
ADD PATIENT

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 screenshot shows a mobile application interface for managing patient records. On the left, a sidebar menu is visible with a circular logo at the top, followed by four blue buttons labeled 'Dashboard', 'Patients', 'New Patient', and 'History'. The main content area is titled 'View Patient: Erich Owen Fajeculay'. It displays the following information in input fields:

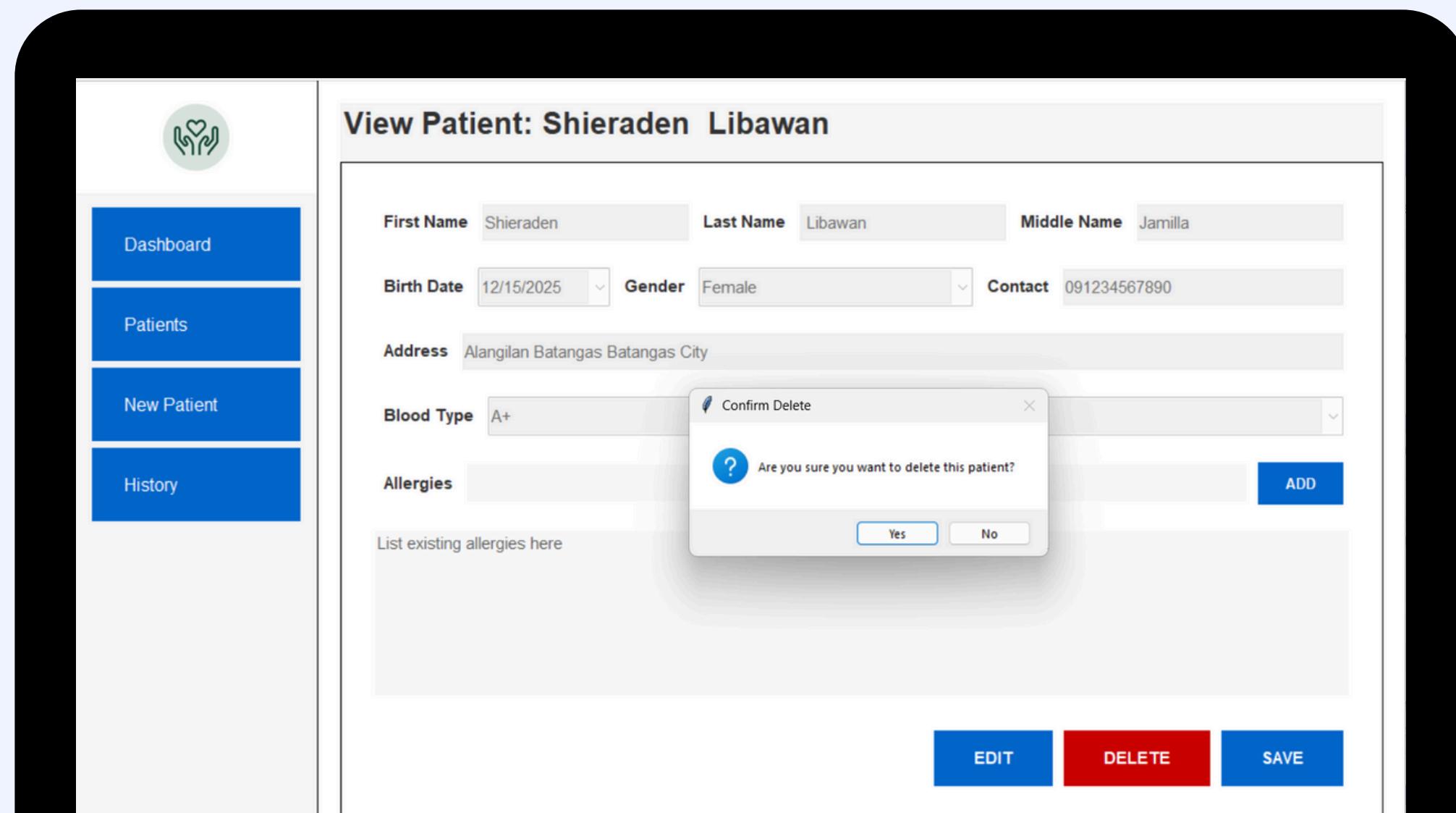
Field	Value
First Name	Erich Owen
Last Name	Fajeculay
Middle Name	Cantos
Birth Date	05/20/2025
Gender	Male
Contact	09815406647
Address	Tabangao Dao
Blood Type	A+
Status	Recovered
Allergies	None

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

Key Features

04

DELETE:
Selecting a patient
and clicking the
"Delete" button.



Thank you!

