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DaktariHub:

- A web-based Django project that allows doctors to manage clients and health programs

Project objectives

The project aims to implement the following features:

- ✓ Client management feature(for client registration and enrollment)
- ✓ Programs management feature(for registration and enrollment)
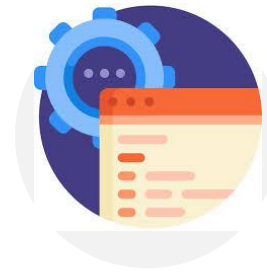- ✓ Clients information API

Beneficiaries : Doctors

Solution:

Client Registration

Client info search & Access (Using API)

Health Programs registration

Client enrollment to programs

Methodology

Approach: Agile methodology

Why Agile?

- ❖ Need for continuous improvement on DaktariHub.
- ❖ Flexibility and adaptability
- ❖ Better risk management
- ❖ Faster delivery of feedback and value

Tools

Frontend
- ❖ HTML
- ❖ Vanilla JS
- ❖ CSS
- ❖ Bootstrap

Database
- ❖ SQL
- ❖ Db Sqlite3

Backend
- ❖ Django

Other tools
- ❖ Restful API
- ❖ VS code IDE
- ❖ Figma (UI designs)
- ❖ Github

DaktariHub

Development Process

- Planning & Requirements gathering

- System Design(Input, output & Process Design)

- System development(Coding)

- System Testing

- System deployment (Pythonanywhere.com)

Client registration form input design

System design: Inputs

Systems input designs involved creating design forms that would visualize how data was input into the system.
The forms include :

- ✓ Client registration form

- ✓ Program registration form and
- ✓ Client enrollment (To program) form

The image on the side captures a client registration form design for DaktariHub.

Systems output designs involved creating design reports that would visualize how data retrieved from the database would be presented in DaktariHub including :

- ✓ Clients/membership reports
- ✓ Available program reports
- ✓ Enrollment reports

Attached below is a enrollment reports design capturing various programs and how many people have enrolled for them .

System design: Outputs

Program Enrollment Reports

Program Name	Description	Duration	Enrollments
Malaria	Malaria treatment	Ongoing	10
TB	TB Vaccination	Upto 23rd July	8
Measles	Measles Vaccination	Ongoing	5

Programs enrollment report design

Homepage

Clients navigation view

Program navigation view

API Interface View

Conclusion

The development of DaktariHub involved use of various frontend, backend and database tools to implement :

- ❑ Clients registration and management module
- ❑ Program registration and management module
- ❑ Feature for enrollment of clients to various programs
- ❑ API for accessing client information

Future improvement on the system can be done to involve a communication system and payments systems where clients can make their payments .

END