

Progressive Report Week 4-8

PROJECT	: Integration of Health Services into Abavubi Fishers App
PROJECT MANAGER	: Federation of Fisheries Organisations Uganda (FFOU)
DONATOR/Funder	: Infectious Diseases Institute (IDI)
PROJECT PERIOD	: June To September 2024 (4 months)

Progress Report on Upgrading and Deploying the HIV ABAVUBI Mobile Application

1.0 Introduction

1.1 Brief overview of Project and its objectives.

FFOU Team the official App Developer of the Abavubi Mobile App under a contractual obligation undertook the task of 'Upgrading and Deployment of the HIV Health Services module integration for the Abavubi Mobile Application.

The **Health Services module** is an additional module financed by the Infectious Diseases Institute (IDI). Existing Modules include: The App Marketplace, The Accounting Module, Safety and the Breeding sites module.

1.2 Objectives of the module.

- a) Facilitate Access to Care by the FisherFolk.
- b) Provide a mechanism for fisherfolk to be able carry out an HIV self-test eligibility procedure using the App.
- c) Act as an Information Center where users can be able to appreciate the various test kits approved by World Health Organization (WHO) and the Uganda Ministry of Health, How to use the HIVST Kits and Commodities (such as Condoms), as well as how to interpret results of after – Test.
- d) Be able to capture analytics posted to the dashboard as users interact with the different aspects of the module (i.e. gender, activity per PHFs, frequencies etc)
- e) Be able to use toll-free service to access care.

2.0 Accomplishments

	Completed task	Milestone	Comment
2.1	Module Prototype	Completed	See Annex A2 (Health Services prototype)

2.2	Modification of the Abavubi App Database.	<p>a) Design of new tables with reference to the (MOH MFL 2020 data provided.)</p> <p>b) Database setup and already hosted at Cloud Server</p> <p>https://db.abavubi.org/</p>	<p>See Annex A1: Module Data tables.</p> <p><i>Credentials to be shared privately.</i></p>
2.3	App playstore account updated with the uploaded .apk for review.	<p>Account created with name: Account ID: 4886003953134291091 Owner: Federation of Fisheries Organisations Uganda. AppName: Abavubi Fisher App</p>	<p>App under review by Google Playstore.</p>

3.0 Current Activities

- 3.1 Developing module 'Health Services' is underway according to prototype.
- 3.2 Developing and testing various APIs.
- 3.3 Interfaces in the module are also under development.
- 3.4 Dashboard development is in final stages, and this will take 20 days to be complete (link to be shared).
- 3.5 Development of Pivotal tables enabling linkage of various data sets

4.0 Challenges and Issues

- 4.1 In the Contract you indicated the RASS platform (Please specify which datasets need to be linked from it).
- 4.2 What Kits and commodities will be specific to fisherfolk. You may need to guide us with starting data as you did on the PFPs data that you provided.

5 Next steps

- 5.1 The link to the dashboard will be available in 20 days.
- 5.2 The App .apk will be shared to IDI team for test by Tuesday 9th, 2024.

6.0 Conclusion

The activity of Upgrading and Deploying the HIV ABAVUBI Mobile Application is progressing well, a number of interfaces have been built and tested pending final .apk build to be provided to you for test.

The team is proactively working to ensure that timelines are managed.

Compiled by:



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Project Officer.

Date: **Wednesday, July 31, 2024**

Annex A1: Module Database Tables

The module database tables have been created and well-integrated into the existing database. And has been setup at the cloud server: <https://db.abavubi.org/>

The following data tables have been creating following 3.1 of the contract.

Table: 'health_facilities'

```
CREATE TABLE health_facilities (  
  facility_id INT AUTO_INCREMENT PRIMARY KEY,  
  facility_name VARCHAR(255) NOT NULL,  
  facility_category VARCHAR(255) NOT NULL,  
  ownership ENUM('Government', 'Private') NOT NULL,  
  district VARCHAR(255) NOT NULL,  
  region VARCHAR(255) NOT NULL,  
  longitude DECIMAL(9, 6) NOT NULL,  
  latitude DECIMAL(9, 6) NOT NULL  
);
```

Table 'services'

```
CREATE TABLE services (  
  service_id INT AUTO_INCREMENT PRIMARY KEY,  
  service_name VARCHAR(255) NOT NULL  
);
```

Table 'facility_services'

```
CREATE TABLE facility_services (  
  facility_id INT,  
  service_id INT,  
  PRIMARY KEY (facility_id, service_id),  
  FOREIGN KEY (facility_id) REFERENCES health_facilities(facility_id) ON DELETE CASCADE,  
  FOREIGN KEY (service_id) REFERENCES services(service_id) ON DELETE CASCADE  
);
```

Table 'health_questions'

```
CREATE TABLE health_questions (  
  id INT PRIMARY KEY AUTO_INCREMENT,  
  hiv_test_over_12_months BOOLEAN,  
  blisters_or_sores BOOLEAN,  
  recent_hiv_positive_self_test BOOLEAN,  
  unprotected_sex_unknown_status BOOLEAN,  
  unprotected_sex_hiv_positive BOOLEAN,  
  informed_by_health_workers BOOLEAN,  
  exposed_to_blood_or_fluids BOOLEAN,  
  cough_over_2_weeks BOOLEAN,  
  night_sweats BOOLEAN,  
  unexplained_weight_loss BOOLEAN,  
  night_fever BOOLEAN,  
  newly_diagnosed_hepatitis_b BOOLEAN,  
  shared_needles BOOLEAN  
);
```

Table 'health_interpretations'

```
CREATE TABLE health_interpretations (  
  question_id INT PRIMARY KEY,  
  question_text VARCHAR(255),  
  interpretation_yes TEXT,  
  interpretation_no TEXT  
);
```

Table 'HealthProducts'

```
CREATE TABLE HealthProducts (  
  ProductID INT PRIMARY KEY AUTO_INCREMENT,  
  ProductName VARCHAR(255) NOT NULL,  
  Description TEXT,  
  Category VARCHAR(100),  
  Price DECIMAL(10, 2),  
  StockQuantity INT,  
  Manufacturer VARCHAR(255),  
  UsageInstructions TEXT,  
  CreatedAt TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
  UpdatedAt TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP  
);
```

Table 'items'

```
CREATE TABLE Items (  
  item_id INT PRIMARY KEY,  
  item_name VARCHAR(100),  
  -- other fields like description, category, etc.  
);
```

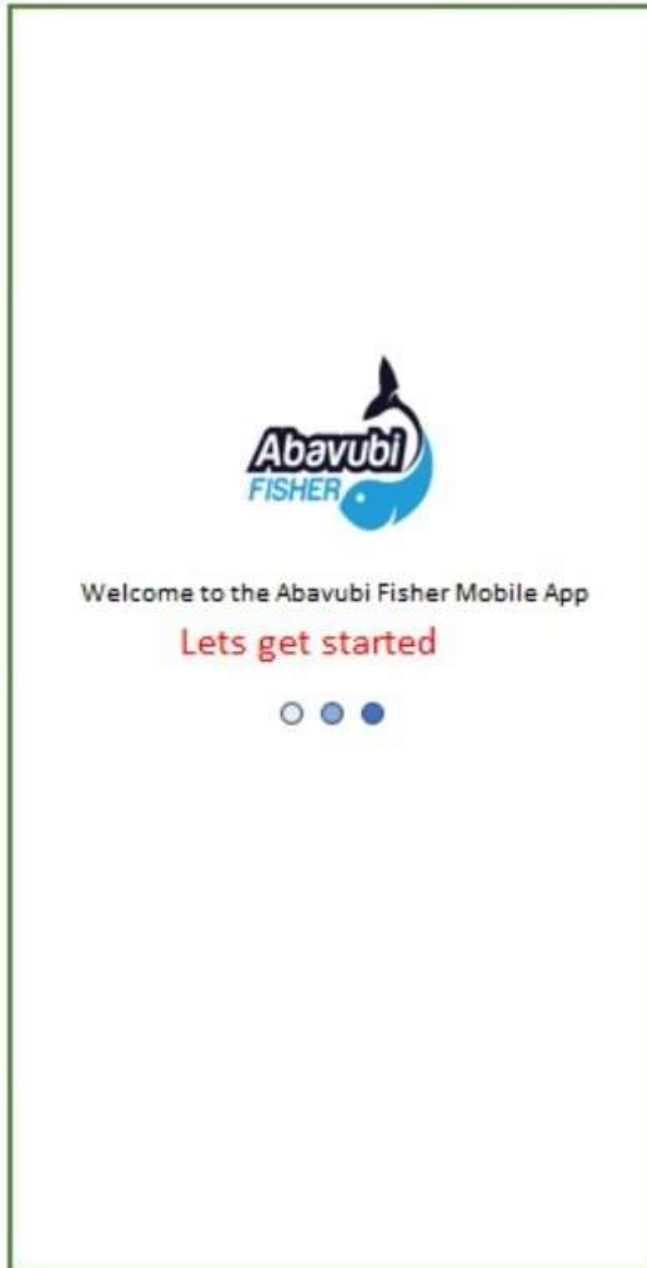
Table 'Ratings'

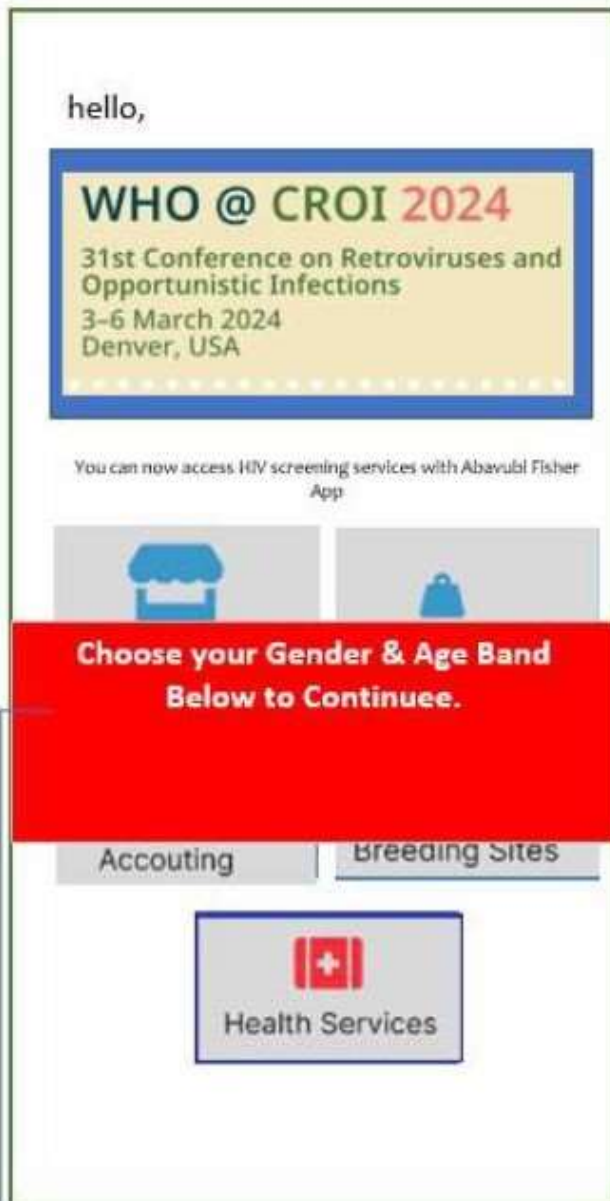
```
CREATE TABLE Ratings (  
  rating_id INT PRIMARY KEY,  
  user_id INT,  
  item_id INT,  
  rating DECIMAL(2, 1),  
  rating_date DATE,  
  FOREIGN KEY (user_id) REFERENCES Users(user_id),  
  FOREIGN KEY (item_id) REFERENCES Items(item_id)  
);
```

Annex: Health Services Prototype.

The following module screens have been drawn to guide the development of the UI/UX. Note. The features shown in these screens do not 100% reflect the process flow but is used as the guide to development.

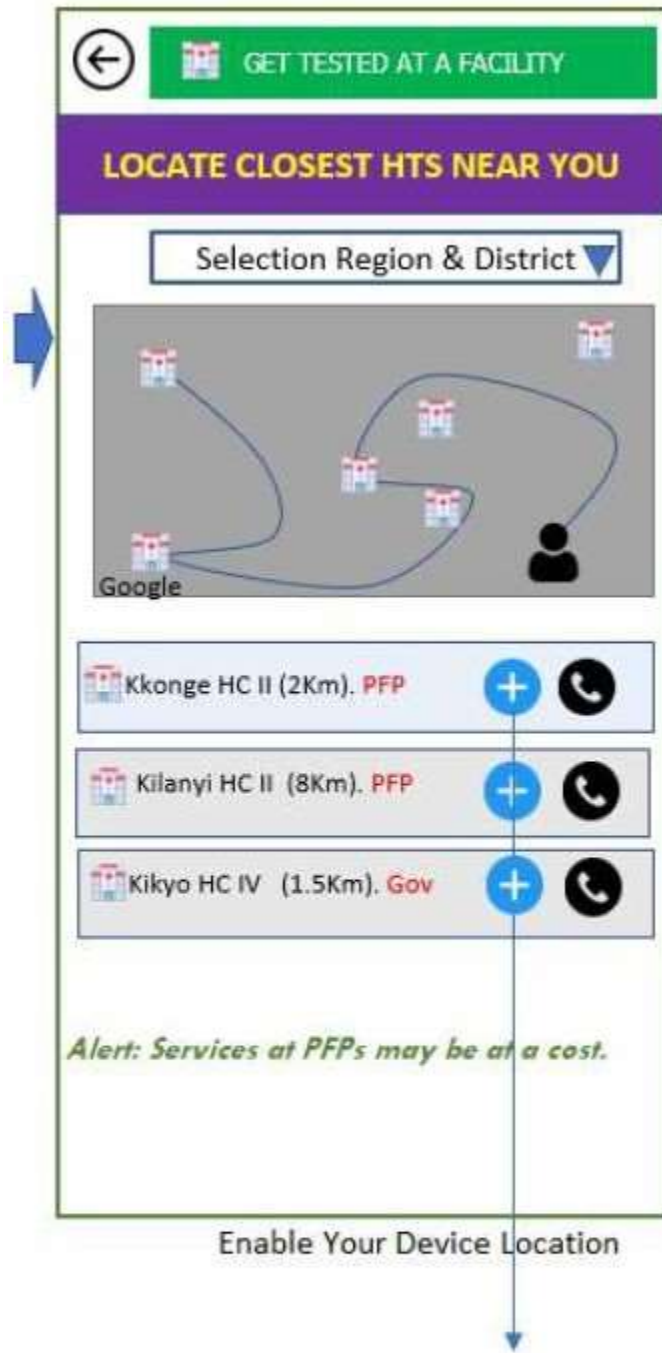
Screen – 1





▼ User Selects gender & age band to continue.





**Click to View Facility
Products, Services &
Cost**

←

✂ **USE A TEST KIT**

Test Kits approved by WHO and the Ministry of Health,

Select an HIVST Kit you want to use ▼

Select preferred action of choice

About Selected Kit	How to use (text)
Results	Interpretation of Results
Video Information	Graphic Information

Request a confirmatory test! at a facility

There is quite a number of Kits such as: Multisure HIV Rapid Test, OralQuick, INSTI HIV

Under products table we can exhaust them and their products so that we fetch this info from the Database. When each of these cards are selected details pop in a new window

Screen – 5
HEALTH SERVICES - MODULE PROCESS FLOW – PROTOTYPE.

Flow diagram

