App Development Proposal

Date: August 29th, 2020

PROPOSAL FOR THE DEVELOPMENT OF A HEALTH CARE SYSTEM

1. Overview

This will be a web application that seamlessly ease the process of most healthcare processes.

Players:

- Nursing Services
- Program Director
- Consumer

2. Scope of Project

2.1. Software Development Stack

- Nodejs (Server Engine and Runtime)
- Expressjs (Web framework)
- MongoDB (Database System)
- Passport (Authentication System)
- Heroku (Staging and Live Deploy platform)
- MongoLab (Database hosting service)

2.2. Project Requirements

1. Backend
   a. Implement database modelling and structure.
   b. Implement necessary business logic.
   c. Provide APIs where necessary.

2. User/Admin Dashboard
   a. Manage user accounts.
   b. Service requests.
   c. Forms handling functionality.
   d. Appointments schedulling.
   e. Notifications / emails services

Note: Project functionalities requirements listed above that do not relate to your interests and requirements for the Project will be discarded.

2.3. Project Development Stages

I. Phase 1 : Requirements Gathering / Analysis

Phase 1 of this project is the requirements gathering phase. This consists of determining and documenting the desired functionalities the system should have. Preparing and analyzing data requirements for completion of the project.

II. Phase 2 : Web UI-UX Design
This phase entails the creation of preferred User Interface design and User Experience flow setup of both the mobile and web applications.

III. Phase 3 – Web/Backend Development

Phase 3 of this project consists of the actual development of the platform. This will consist of several deliverables as agreed by both client and developer.

The major deliverable would be the complete MVP platform as required.

IV.   <u>Phase 4 – Testing and Deployment</u>

Phase 4 of this project consists of user acceptance testing (UAT) and implementation for GO-LIVE. Client will be responsible for providing dedicated end-users to test the application's functionality and verify performance. Feedback at this phase is analyzed and a revisit to the development phase is done as necessary.

3. Milestones & Timeline Summary

Requirements Gathering 1 Week(s)	Discover detailed requirements Understand existing processes and APIs. Finalise list of screens to be developed and create application flow. Create wireframes for main screens.
UI-UX Design 1-2 Week(s)	Creating a clean simple UI for the platform. Finalise on design flow and interactions between each flow
Application Development 8-10 Week(s)	Implementation of MVP product based on the mock-ups and designs confirmed.
Testing 1-2 Week(s)	Once the development is completed, a parallel test/staging environment will be set up for testing and reviews.

| Deployment & Training

1-2 Weeks	Deploy the web application to agreed hosting services.

4. Project Costing

S/N	Project Item	Cost
1.	UI/UX	₦100,000
2.	User/Admin product/ Dashboard	₦200,000
3.	Backend and Database	₦250,000
4.	Third party integrations	₦50,000
Total		₦600,000

5. Payment plan

S/N	Item	Description	Payment
1.	Retainer Fee	First payment before the project commences.	₦300,000
2.	Final installment	To be paid after a satisfied deliverable of an MVP	₦300,000
Total			₦600,000