**Test Plan**

**Medic Aid 003**

**Prepared by:** AUDU KEHINDE

**Date:** 16th of OCTOBER 2022

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1. **INTRODUCTION**

The Medic Aid project is a web-based application for a Hospital that is based in the UK. The objective of the project is to bridge the gap between Doctors and Patients by providing a platform where patients can schedule appointments easily, purchase medical products and medication, make payment on the website and pick up products when they visit the hospital.

**2.0 OBJECTIVES AND TASKS**

**2.1 Objectives**

The objectives of this plan are to detail all activities that will be carried out in the Medic Aid 003 project and how the features will be tested. It entails the steps, procedures, and activities involve in testing and documenting the test efforts.

**2.2 Tasks**

* Creating Test Documents: Test plans, Test case, Test closure report
* Bug Life Cycle shown in the test closure report

**3.0 SCOPE**

**General**

* **Accounts:** This feature manages the accounts of admin and patients on the application. Each user should be able to sign up to the platform, sign in and manage their accounts
* **FAQs:** This feature helps to manage frequently asked questions regarding the business process, how to use products and which products to use. Only the admin user can upload, edit and delete data but all users can view the details on this feature.
* **Blog:** This feature enables the admin user send out customized newsletters or any type of information needed to be divulged to the public, and all visitors to the website can always view available news and other information from the blog feature. The admin users should be able to edit, delete and upload any information as required.
* **Search:**This feature ensures that customers on the website can search/filter easily through the sections of the website for easy access to information.
* **Order and Pick Up:**This feature ensures that patients can view a history of orders they have placed, both past and pending orders, this feature also gives details of pick up dates.
* **Client Profile:** This feature ensures that registered users can view their details, make changes to their details, upload, edit and delete profile pictures, change password and even delete the account if needed.

**Tactics**

**Account will be tested by:**

* confirming that users can register
* Confirming that users can sign in
* Confirming that users can manage profile

**FAQs will be tested by:**

* Confirming that the Admin can upload FAQs
* Confirming that the Admin can delete FAQs
* Confirming that the Admin can edit FAQs
* Confirming that the user can view FAQs

**Blog will be tested by:**

* Confirming that the Admin can upload blog post
* Confirming that the Admin can edit blog post
* Confirming that the Admin can delete blog post
* Confirming that the user can view blog post

**Search will be tested by:**

* Confirming that users can search using keywords
* Confirming that appropriate results are returned to the user

**Order & Pick up will be tested by:**

* Confirming that Patients can view order history
* Confirming that Patients can view pick up date

**Client Profile will be tested by:**

* Confirming that registered users can view their details
* Confirming that registered users can edit their details
* Confirming that registered users can delete profile pictures
* Confirming that registered users can change password
* Confirming that registered users can delete account

**4.0 TESTING STRATEGY**

**Account**: The Account feature will be tested for Accuracy (result relevance), Button(s), Data Validation, functionality, Integration to other pages.

**FAQs**: The FAQs feature will be tested for Accuracy (result relevance), Button(s), and functionality to other pages.

**Blog**: The Blogfeatures will be tested for Data Validation, Button(s) functionality, Integration to other pages.

**Search**: TheSearch feature will be tested for Accuracy (result relevance), Button(s) Integration, Data Validation, and functionality to other pages.

**Order and Pick up**: The Order and Pick upfeature will be tested for Accuracy (result relevance), Button(s) Integration, and Data validation.

**Client Profile**: The Client Profile feature will be tested for Accuracy (result relevance), Button(s) functionality, Data Validation, Integration to payments APIs and methods.

**4.1 Unit Testing**

**Definition:**

Tester will handle unique test unit.

Validation and review of each execution

Test ID would be linked to each unique requirements using TEST\_RQ\_NO

**Participants:**

Audu Kehinde

**Methodology:**

Audu writes the Test Cases, execute them and validate the execution in days interval within a sprint and report documented.

**4.2 System and Integration Testing Definition:**

All features will be tested in integration to other functionalities and pages.

**Participants:**

Audu Kehinde

**Methodology:**

Audu writes the Test Cases, execute them and validate the execution in days interval within a sprint and report documented.

**4.3 Users Acceptance Testing**

**Definition:**

The Product owners, Project Manager and the Tester will confirm that the system is ready for operational use by comparing the system to its initial requirements and confirm every acceptance criterion has been met.

**Participants:**

Software Tester: AUDU KEHINDE

Project Managers: MARYANN OSIGWE, JAMES OLUSOLA OGUNNUSI, JENNIFFER NELSON-TWAKOR

Business Analyst: NWUNEMELU CHIBUZOR STELLAMARIS, JUSTINA IHIOVIEN, DULRASHEED DANJUMA YUSUF, CAJETAN ILOKA, UKACHI IMEMBA

Stake holders: END USERS.

**Methodology:**

Audu Kehinde prepares a test case in line with business logic requirements and ensures all acceptance criteria have been met.

**4.4 Regression Testing**

**Definition:**

The tester (Audu Kehinde) selectively retests the component to verify that modifications have not caused unintended effects and that the system or component still works as specified in the requirements.

**Participants:**

AUDU KEHINDE

**Methodology:**

Kehinde retests the system or component execute them and validates the execution, and report documented.

**5.0 HARDWARE REQUIREMENTS**

Computers: Operating system- Windows (version 10) Mac Machine

Mobile: Android (Phone/tablet) IOS Platform (iPhone/iPad)

**6.0 ENVIRONMENT REQUIREMENTS**

**6.1 TEST ENVIRONMENT**

The test environment will be the Medic Aid project URL provided by the developer.

**7.0 TEST SCHEDULE**

Two weeks for each sprint. The tester tests the MVPs supplied by the development team.

**8.0 CONTROL PROCEDURES**

**Problem Reporting**

All incidents encountered during the testing process will be documented using MS WORLD and reported accordingly through Basecamp and Azure.

**Change Requests**

Additional days/weeks as determined by the project group will be added for development and testing in effect to any change request made by product owner.

**9.0 FEATURES TO BE TESTED**

**Account**: The Account feature will be tested for Accuracy (result relevance), Button(s), Data Validation, functionality, Integration to other pages.

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**10.0 FEATURES NOT TO BE TESTED**

This is not yet determined. This section will be updated at the beginning of sprint 2.

**11.0 RESOURCES/ROLES & RESPONSIBILITIES**

MARYANN OSIGWE (PM1): Project to be delivered on time within budget

Email: [anobizy@yahoo.ca](mailto:anobizy@yahoo.ca)

JAMES OLUSOLA OGUNNUSI (PM2): Project delivered on time within budget

Email:  [jamsola2002@yahoo.com](mailto:jamsola2002@yahoo.com)

JENNIFFER NELSON-TWAKOR (PM3): Project to be delivered on time within budget

Email: [jnt42\_nelson@yahoo.co.uk](mailto:jnt42_nelson@yahoo.co.uk)

NWUNEMELU CHIBUZOR STELLAMARIS (BA1): Creating detailed business analysis, outlining problems, opportunities, solutions for business

Email: [chibumaris90@gmail.com](mailto:chibumaris90@gmail.com)

JUSTINA IHIOVIEN (BA2): Creating detailed business analysis, outlining problems, opportunities, solutions for business.

Email: [justina.ihionvien@gmail.com](mailto:justina.ihionvien@gmail.com)

ABDULRASHEED DANJUMA YUSUF (BA3): Creating detailed business analysis, outlining problems, opportunities, solutions for business.

Email: [yurashman@gmail.com](mailto:yurashman@gmail.com)

UKACHI IMEMBA (BA4): Creating detailed business analysis, outlining problems, opportunities, solutions for business.

Email: [kachimemba@gmail.com](mailto:kachimemba@gmail.com)

CAJETAN ILOKA (BA5): Creating detailed business analysis, outlining problems, opportunities, solutions for business.

Email: [lariloka@yahoo.com](mailto:lariloka@yahoo.com)

Audu Kehinde (SOFTWARE TESTER): Creating test documents, executing test, make emphasis to good bug reporting and defect life cycle, delivering of documented reports through communication vehicles.

Email: [kehinde@almondcareers.com](mailto:kehinde@almondcareers.com)

**12.0 SCHEDULES**

**Major Deliverables**

Identify the deliverable documents. You can list the following documents:

* Test Plan
* Test Cases
* Test Closure Reports

**13.0 SIGNIFICANTLY IMPACTED DEPARTMENTS (SID**s**)**

Quality Assurance team, management team, Business team.

**14.0 DEPENDENCIES**

Project Start Date: August 2022

Project End Date: 30th of November 2022

Total budget £65,000.00

Quality or performance constraints

* System must provide 100% uptime
* Database must store all the information efficiently without any information loss.
* The system must support 100 concurrent users and all of the operations carried out in the system must respond within 5 seconds.
* All user’s data cannot be sold or distributed to other entities without their previous approval.
* Security testing to be done to check whenever a software/ website is secure or not by checking if is vulnerable to attacks of anyone can access a database or if anyone can login without authorisation.

**15.0 RISKS**

Delay in delivery of the test items might require increased team meeting scheduling to meet the delivery date.

**15.1 ASSUMPTIONS**

1. Other aspects of the websites are being developed by other teams
2. Scope of project will not change during life cycle
3. Human and material resources will be made available on request

**16.0 TOOLS**

* AZURE
* BASECAMP
* MS EXCEL
* MS WORD

**17.0 APPROVAL**

Kehinde Audu