TEST PLAN FOR CARBON ANDROID APPLICATION

**TABLE OF CONTENTS**

**1 Introduction …………………………………………………………………………………………………………………….2**

**2 Test Objective ………………………………………………………………………………………………………………….2**

**3 Scope ………………………………………………………………………………………………………………………………2**

**3.1 Entry Criteria ……………………………………………………………………………………………………………….2**

**3.2 Inclusions …………………………………………………………………………….........................................3**

**3.3 Exclusions……………………………………………………………………………………………………………………. 4**

**3.4 Suspension Criteria ………………………………………………………………….....................................4**

**3.5 Exit Criteria………………………………………………………………………………………………………………….4**

**4 Test Approaches for The Project……………………………………………………………………………………..5**

**5 Problems Perceived…………………………………………………………………….....................................5**

**6 Environment.………………………………………………………………………………………………………………….5**

**7 Assumptions ………………………………………………………………………….........................................5**

**8. Dependencies………………………………………………………………………….......................................6**

**9.Testing Timeline ………………………………………………………………………......................................6**

1. **Introduction**

This test plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of Carbon Android Application. The plan identifies the items to be tested and the type of testing to be performed. Carbon Android Application is a one-stop application for financial services and an authorized user should be able to perform the following: successful airtime recharge using available payment option in the application, fund the wallet in the dashboard with N1,000 via debit/ATM card with the available saved payment card and view wallet transactions using the date filter to display transactions.

1. **Test Objective**

The test objective is to validate that the solution was built in line with the specified requirements, identify as many defects as possible, report them in a timely manner and retest the solution to ensure that it is bug free before release. The test approach to be employed will be: Functional Test.

1. **Scope**

**Test Logistics**

A resource from the IT QA and Software Testing Team would be a tester on the project.

* 1. **Entry Criteria**

Testing would commence when all the following inputs are ready:

* + - Signed off BRD
    - Approved architectural design
    - Software is available for testing
    - Test Specification is created
    - Test environment is ready
    - There are enough human resources for testing
    - Tech Ops resources assignment and participation
  1. **Inclusions**

All the features of the Carbon Android Application defined in Software Requirement Specifications will be tested. They are listed below

|  |  |
| --- | --- |
| **MODULE** | **DESCRIPTION** |
| **Sign in** | This is to validate that an authorized user can sign into the mobile application successfully with valid phone number and pin. |
| **Airtime Recharge** | This is to validate that an authorized user can perform successful airtime recharge using any available payment option in the app. |
| **Fund Wallet** | This is to validate that an authorized user can fund wallet in the dashboard with N1,000 via debit/ATM card with the available saved payment card. |
| **View Wallet Transactions** | This is to validate that an authorized user can view wallet transactions using the date filter to display on the transactions performed. |

* 1. **Exclusions**

All features not to be tested are not contained in the software requirement specs:

* VAPT Scan and Website Security
  1. **Suspension Criteria**
* If the team members report that up to 40% of the test cases failed, testing is suspended until development team fixes all the bugs identified for retesting.
  1. **Exit Criteria**

This specifies the criteria that denote a successful completion of the test phase:

* A mandatory pass rate of 95% is achieved
* 100% of test scripts executed
* No open critical and High defects
* All remaining defects are either cancelled or documented as Change Requests for a future release
* All expected and actual results are captured and documented with the test script
* All defects logged are reported
* Management Approval to proceed on production

**4.Test Approaches for the project**

There are 4 Test Approaches to be adopted:

* System Test: Conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements
* Functional Test: Test all the modules created for the software
* User Acceptance Test: UAT would be carried out by end users and QA team would provide support by creating a UAT script to guide the process

**5 Problem Perceived**

* N/A

**6** **Environment**

* The test environments that the system reads from and writes to should be made stable and available.

**7 Testing Timeline**

|  |  |
| --- | --- |
| **Test Approach** | **Timeline** |
| **Requirements Review** | 1 day |
| **Functional Testing** | 2days |
| **Total** | **3 days** |