

## Scope Statement

Project title: Android Base Grocery Shopping Application

**Project Summary and Justification:** Customers often struggle carrying heavy bags and pushing trolleys. Customers also have a hard time waiting on long queues. Android Base Grocery Shopping Application is a form of electronic commerce where customers can purchase products directly online. It will help the customers purchase products through the use of the Internet by using an Android device. Thus, the customer will get the service of online shopping and home delivery. Since the application is available on the smartphone it is easily accessible and always available. The allocated budget for this project is ₦2,000.00 and well adds another ₦2,000.00 for other expenses.

System modules and functionalities:

Buyer:

- Register
- Log in
- Categories
- Add to cart
- Payment
- Comment
- Product Summary

Seller:

- Register
- Log in
- Categories
- Post products
- Product inventory

Admin:

- Log in

- Master Maintenance
  - Product Master
  - Price Master
- Transaction
  - Stock report
  - Order report
  - Delivery report
  - Housekeeping

**Buyer:**

User accounts/Register This is the log in phase of the application. It is

where the user may register or if they already have an account the user may log in.

**Categories** It is where the user chooses the category products that they want to purchase. All the products are placed on their particular categories. For example, all the meat products are in the meat section and all the fruits and vegetables are in the fruits and vegetables section.

**Add to cart** when the user chooses the category products that they want to buy. Then the user will press/click add to cart button so that all the items will be placed on the cart then totals the sum of all the products.

**Payment** This is where the user decides what type of payment they would like. Its either user wants (COD) or cash on Delivery or (COP) cash on Pick-up.

**Comment** the user can comment feedback about the application. The user can also post comments/feedback about the product that they purchase. If they are satisfied with their standard.

**Product summary** the user can check or view all the transactions that they have done. The user can view all the products that they bought.

## **SELLER:**

**User accounts** This is the log in phase of the application. It is where the user/seller to register.

**Categories** The seller chooses the category of the products that they want to sell. This is the part where the sellers fill up the important data of the products like the name of the item, price, contact number and location.

**Post products** This is the part where the seller posts the products in the application. After filling up the important detail the category.

**Product inventory** This is the part where the seller manages the product the seller can check whether the product is sold or not also they can check the remaining product left.

Admin:

Log in It is where the admin log in their account.

Master maintenance This module consists of information about the product and service.

This includes two sub modules: the product master and price master.

Product master the admin area for vendors where they can put information about their product which are to be displayed in the app.

Price master deal with the cost of product, discounts applicable for the particular product of vendor.

Transaction This is the module management of shopping cart, where all items that are to be purchased can be reviewed once again after the delivery is about from the cart.

Stock report will produce reports of the quantity of the products available and products stock.

Order report will have a list of products ordered and the customer details who have bought that product which are undelivered.

Delivery reportswill generate products lists, which are delivered to customers.

Housekeeping This module takes care of data which are older than a certain period. It will allow the vendor to achieve the reports generated or transactions and business history reported by the reporting module.

## Tool and technologies

HTML 5.0            for embedding PHP and working with JavaScript.

Syntax used to format a text document.

CSS    language use for describing the look and formatting of a document for styling.

JavaScript    allow Client side scripts to interact with the user control the browser communicate and alter document context that is displayed for event handling.

MySQL            storing information and history

Android        the application is delivered to customer through an android application so Android platform is used to develop the user application

