

# **ANDROID-BASE GROCERY SHOPPING APPLICATION**

**In Partial Fulfillment**

**Of the Requirements for the subject**

**IT 106 – IT Project Management**

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## INTRODUCTION

Grocery shopping is an android/smartphone application in which the customer/user can purchase grocery products online (providing that you have an internet connection). Customers often struggles carrying heavy bags and pushing strolleys. Customers also have a hard time waiting on long queues. By using this application, user does not have to fall in line and wait for long queue. Also, users do not have to struggle in carrying heavy bags and pushing trolleys.

## MOTIVATION

People/user will find this application very convenient because if you want to buy something in the supermarket, you don't have to pay the fare to go to the supermarket and buy this product yourself. Instead, you can purchase them by just sitting at home viewing different images of products and adding them into the online shopping cart. This problem is mostly experienced by housewives and house helpers who's taking a convenience in falling in line just to buy grocery products. This will be a great solution because it will surely satisfy the user. The things that this application would like to achieve is for the user to have less hassle upon purchasing grocery products.

## PROJECT DETAIL

- **JAVA**

**Java** is a general-purpose programming language that is class-based, object-oriented, and designed to have as few implementation dependencies as possible. It is intended to let application developers *write once, run anywhere* (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.

- ***MY SQL***

It is used for back end design to store the data. RDBMS is the basis for **SQL**, and for all modern database systems such as MS **SQL** Server, IBM DB2, Oracle, MySQL, and Microsoft Access. The data in RDBMS is stored in database objects called tables.

- ***HTML, JavaScript***

## **ENVIRONMENT**

The research indicates that returns from online purchases are significantly greater than store purchases, resulting in increased level of waste and increased in transportation. Yet there are choices that consumers can make to reduce the impact their shopping decisions have on the environment. This application saves us all from trouble in purchasing grocery products. For how many years we suffer and having a hard time from our old culture in purchasing grocery products. This application is the answer to all of our problems.

## **HARDWARE**

**Processor-i3**

**Hard Disk - 5 GB**

**Android Service**

## **SOFTWARE**

**Windows Xp, 7**

**Android Development Toolkit**

**Visual Studio 2010**

## **Issues and Challenges for Implementation**

In order to create a perfect system or project, we must face problems and difficulties first. We all know that there is no such thing as perfect but what we want to achieve is close to perfection. In the area of Gingoog City, there is already a page in facebook that manages the buying and selling of products called Gingoog Online Shopping(GOS). It is a challenge for us on how to promote our system for people to use it. Since there is already an existing page, we must find a way to excel in different manners.

This project/application manages the buying and selling of grocery products only. This application is different from the others because it does not allow any other items like appliances, phones, and any other products aside from grocery products. What's special about this application is that you can purchase grocery products even when you're at home sitting, watching television, even at work(providing that you have an internet connection).

## **CONCLUSION**

It is really inconvenient to go to the store to buy products because of you will need to pay for fare and consumes a lot of energy from you from walking and literally waste your time. This proposed system will help eliminate all this problem by letting the user shop using only the application on their smartphones.

## **References**

Electronics Software & Mechanical Projects Ideas & Kits: Nevonprojects. (n.d.). Retrieved from <https://bit.ly/34shQ3Z>.

