CHAPTER 1

1.1 Introduction

Shopping is an intrinsic part of activity that we are doing everyday life to search for or buying goods or services. Mostly people especially women loved shopping. It is because, the best thing when they are going shopping downtown are surely the fast that the walk in the open and they can see monuments while going from one shop to another shop. Meanwhile generator is an apparatus that produces a vapor or gas, and also we call as freezer. That we know, this item we use for freeze our food.

Automated shopping list generator is an application that can give everyone especially for housewife to get the list of their needs systematically. For example, the system can display the list of foods like vegetable, fruits, fish, meat, chicken, eggs, beverages and others that were storage in the generator. This system are manually used, the housewife can update the list of food that have taken out from the generator when the food supplement is finished. In addition, the system also can display a warning message if the food is finished.

Based on my experience, women usually wasted during shopping. This system will help everyone especially housewife to manage their financial problem. Besides, it also can reduce time during shopping. They will buy their needs only.

1.2 Problem Statement

Nowadays, we can see that housewife cannot prepare their needs systematically. Some of them are busy with work and failed to prepare and manage household. If they buy too much kitchen items in one time, wasted will be occur. By using this system, the household in the freezer will be update automatically to android.
1.3 Objective
There are objectives for this research which is:
   i. To create a Smartphone app that keeps track of items in the fridge.
   ii. To sync with a remote database that keeps the inventory.
   iii. To trigger alert when amount of inventory is low.

1.4 Scope Of Study
The scope of this project is to use for refrigerator only by using mobile phone.
   i. Automated Shopping List Generator is manually use.
   ii. The clients are housewife, people and workers that are busy on their work.
   iii. The interface is easier to use, it will show the items that storage in freezer.

1.5 Project Significant
   i. Learn ability
       The interface should be easier and intuitive for all users. The amount of functionality on a mobile app should be limited to exactly what the user will need to get their goal.
   ii. Efficiency
       The key task on mobile app should be as efficient as possible and make sure to limit the number of clicks that it takes for user to complete task. Efficiency to make input is easy to complete [2].
   iii. Memo ability
       Interface that shows in the system should become easier to use. The frequency of use in a main factor when increasing memo ability, make sure always update the mobile app to make it relevant for the user.

1.6 Conclusion
In conclusion, my project is basically use platform like android Phone, Windows Phone and android. This system is not like an online shopping because I really focused on the items that storage in freezer only. So, the items are cannot be sell in online shopping. This system also only can be use for update the needs that people always use in cooking, like vegetable, fish, meat, chicken and so on. Busy person sometimes cannot remember and they were not concern about their needs. This system will help them to be systematically in manage their work and warning message will be displayed if the food is finished.
CHAPTER 2

2.0 Literature Review

In this chapter, this project will focus on the literature review which consists of information that is related with the selected projects that were developed last year [1]. It describes literature review and project methodology. There also will be explanations about project requirement which include software requirement, hardware requirement and also other requirement.

2.1 Overview

Nowadays, android phones are great gadget that helping peoples to manage our busy lives. It also helps people to doing regular things like getting groceries and shopping for home goods is no exception. The android apps and iPhone (iOS) Apps are the examples of technologies that helped people make their life become easier. Out of Milk, Shopping List and Grocery IQ are the most popular app that people always use. It have a lot of benefit and helped people in reducing wasting time during shopping. In addition, it also help ensure you don't forget anything especially for busy peoples [4].

2.2 Existing system review

There are two types of technology that use in app applications:

i. Android Apps
ii. iPhone (iOS) Apps

Android Apps

There is selected two most popular free shopping list apps available on Google PlayStore and evaluated them based on their principles and guidelines in the previous section. The apps are “Out of Milk” and “Shopping List” and the evaluation results are listed below.