



Smart Runcit Mobile Application

by

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A Project Proposal

Submitted to

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Table of Contents

1.0	Introduction	3
2.0	Problem Statement.....	3
3.0	Project Objective.....	4
4.0	Project Scope	4
5.0	Target User.....	5
6.0	Project Requirement.....	5
7.0	Project Planning and Methodology	6
8.0	Conclusion.....	6
9.0	Gantt Chart.....	7
10.0	References	7

1.0 Introduction

Mobile Application which also known as a mobile app is actually a software application that is designed to run on a mobile devices such as phone and tablet. Smart Runcit is actually a company name that is based in Puchong, Selangor. They wanted to develop a new mobile application called Smart Runcit mobile application that can ease customer to buy their groceries shopping. Wherein, they do not need to use the old method which they need to order through calls or whatsapp. The customer can simply use the mobile application provided to have a look at the items available in the store. Not just browsing the apps, but they can also place an order through the mobile application. Smart Runcit mobile application is quite crucial in today world as it can help the company to organize their customers' orders more efficiently. The order place by the customer will be saved in the database system. This mobile application can be used by public with the age range of 20 to 55 years old especially women. Smart Runcit mobile application is going to be developed using the Ionic Framework software. As for the database, the software that will be going to be used is Firebase which can store the database online.

2.0 Problem Statement

- i. Customers place order by using whatsapp and phone call.

The customers who want to purchase from the Smart Runcit retail shop need to contact the admin directly through whatsapp or phone call. This old method causes a lot of time consuming since the admin need to entertain customer one by one.

- ii. Admin write the customer order details on paper.

Admin need to jot down all the orders made by the customer on piece of paper. Sometimes, due to many orders, the hand written cannot be read clearly. In conjunction of that, the information about the customer details and order is not accurate.

- iii. Admin need to calculate the stock manually.

The admin need to check the stock of the product in store every time the customers want to purchase the item. It is quite unorganized and makes the admin need to work more. In addition, sometimes the admin has miscount the stock left in the store.

3.0 Project Objective

- i. To develop a mobile application platform that allows customer to place order.

A mobile app called Smart Runcit mobile application is developed to provide the customer a platform to purchase their groceries shopping online. Having this mobile application can help the user to reduce the waiting time for the admin to return their calls or replying their messages.

- ii. To provide an application that can store all the customers' data online in the system.

All the customers' information will be saved in the database management system which is Firebase. It can help the admin to trace the customer's order without having any overlapping issue.

- iii. To provide an application that can calculate and display the available stock in the store.

The mobile application will help to calculate the available stock in store automatically.

The admin does not need to worry about having to count the stock in manual and having any miscount issues anymore.

4.0 Project Scope

4.1 System Scope

The mobile application will have few features that will give user the best experience. Some of the features that are going to have in the mobile app are the login interface to allow user to enter into the mobile app. This system also can display all the items available in the store. It also have an interface that can shows the total items that have been purchase by the customer before they proceed to place order.

4.2 User Scope

There are 2 types of user for this system which are the admin and the customer. The admin can monitor the customers' information and as well as their order that have been placed. Next, the admin can also add, delete and update the stock available in the store. While the customers can browse all items available in the store. They can simply search for the items that they want to purchase. Besides, the customer can add to cart the item that they wanted to buy.

5.0 Target User

i. Admin

Admin is the one who runs the Smart Runcit company. The admin can observe and track the customers detail and the order that have been placed. They can manage the stock availability in the system without any problems as they can add, update and delete. If there are new item available in store, the admin can simply add it into the system.

ii. Customer

All customers can access into our mobile application. The first thing that they need to do is login into the system. If they do not have any account, they are required to create an account to store their information. This mobile application can be used by public community with the age range of 20 to 55 years old. We targeted this range of age because they tend to have more exposure towards the mobile application and have many interest in online shopping especially women.

6.0 Project Requirement

6.1 Software Requirement

- a. Ionic Framework
- b. Firebase
- c. Angular

6.2 Hardware Requirement

Laptop HP Pavilion Laptop 14-bf1xx

- Windows Edition : Windows 10 Home
- Processor : Intel® Core™ i5-8250U CPU @ 1.60GHz
- Memory (RAM) : 4.0 GB
- System Type : 64-bit Operating System, x64-based processor
- Storage : 128 GB SSD

7.0 Project Planning and Methodology

The methodology for this mobile application is Agile Methodology. The main reason for this methodology to be chosen is because it can be breaks into several stages and the improvement is done on every iteration. Using this Agile approach, we can get what the user actually want for their mobile application.

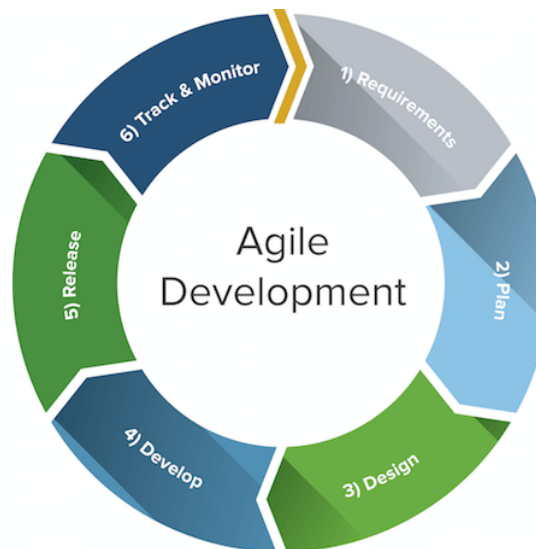


Figure 1 Shows the Agile Methodology

8.0 Conclusion

In a nutshell, mobile phone has become an important thing to bring everywhere we go. It shows that mobile application is also one of the important things to have in the smartphone since they just need to click to the apps to use it. I hope that the Smart Runcit mobile application can be developed with all the design and can meet the client's requirement and also attract the customers' attention. At the end of this project, this mobile application can gives the client a satisfaction with the app. Besides, it will also help the customer to purchase their groceries shopping without having any issues. Moreover, I really hope that this mobile application can help the admin to solve the stock availability in the store.

9.0 Gantt Chart

Project Schedule	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Information Gathering												
Literature Review												
Methodology												
System Requirement												
Design												
Implementation												
Testing												

Table 1 Shows the Gantt Chart for the Project Schedule

10.0 References

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