



SnapKit

Kitchen Inventory Intelligent Assistant



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UQU-CS-2022-01 QR Food Info - Computer Science Department - Umm Al-Qura University - Makkah - KSA.

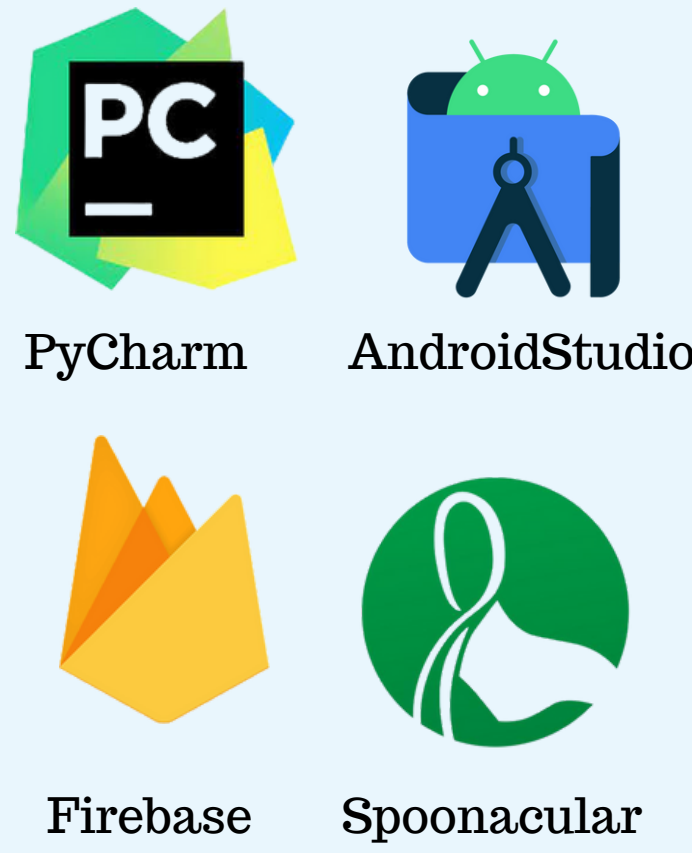
INTRODUCTION

((قال تعالى: ((وَكُلُوا وَاشْرَبُوا وَلَا تُسْرِفُوا [الأعراف: 31]))

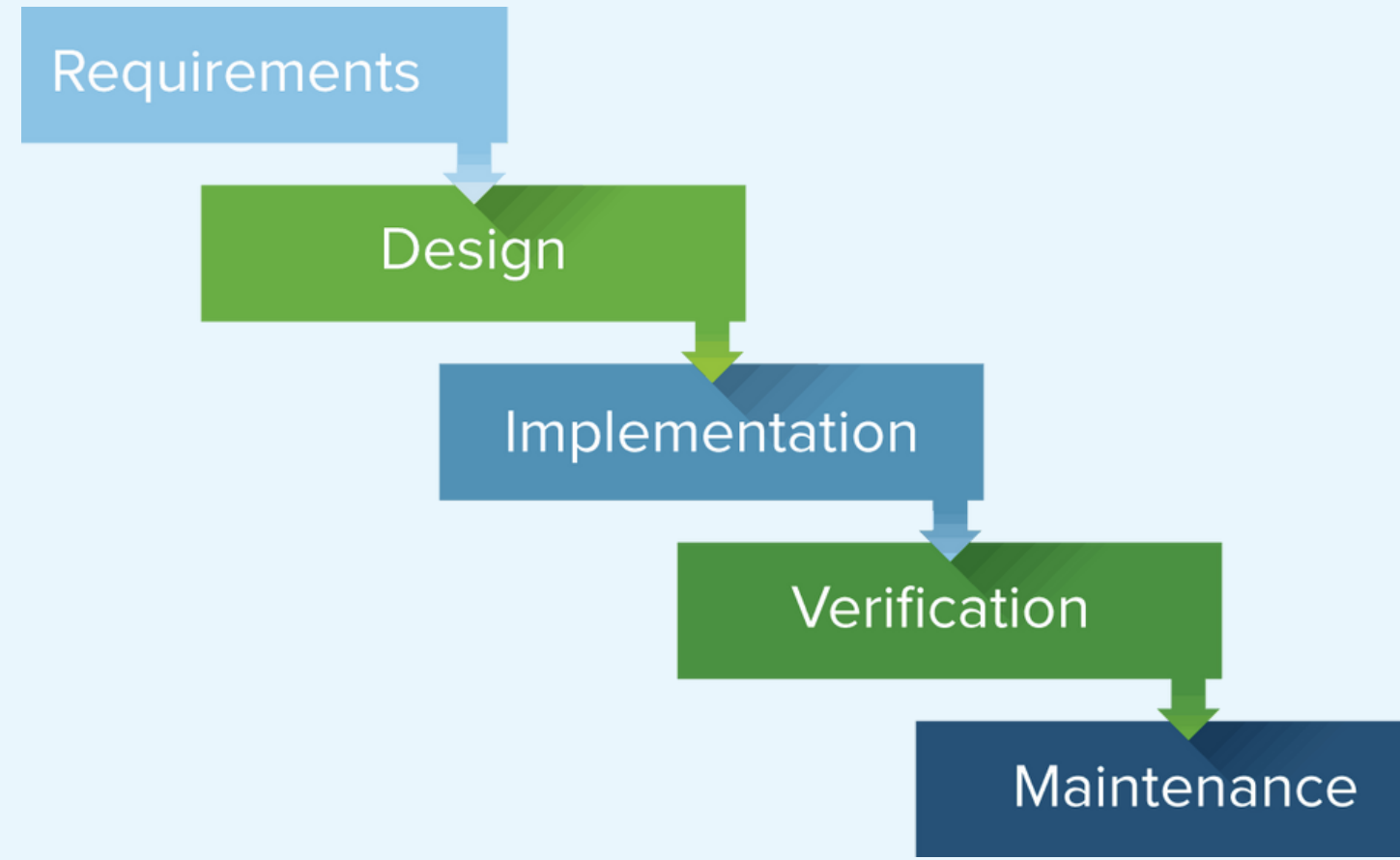
Food waste costs \$940 billion/year. Most people are unaware or forget to check on item expiration dates. When they want to use these items, they find them expired! Moreover, 1 in 10 adults and 1 in 13 children have food allergies. Our app helps people, by generating and reading the QR code on the product to view and analyze all information, then storing it in the app. The app will remind them of product expiration in advance to benefit from available unused items as soon as possible. Further, utilizes AI technologies to recommend recipes from available products.



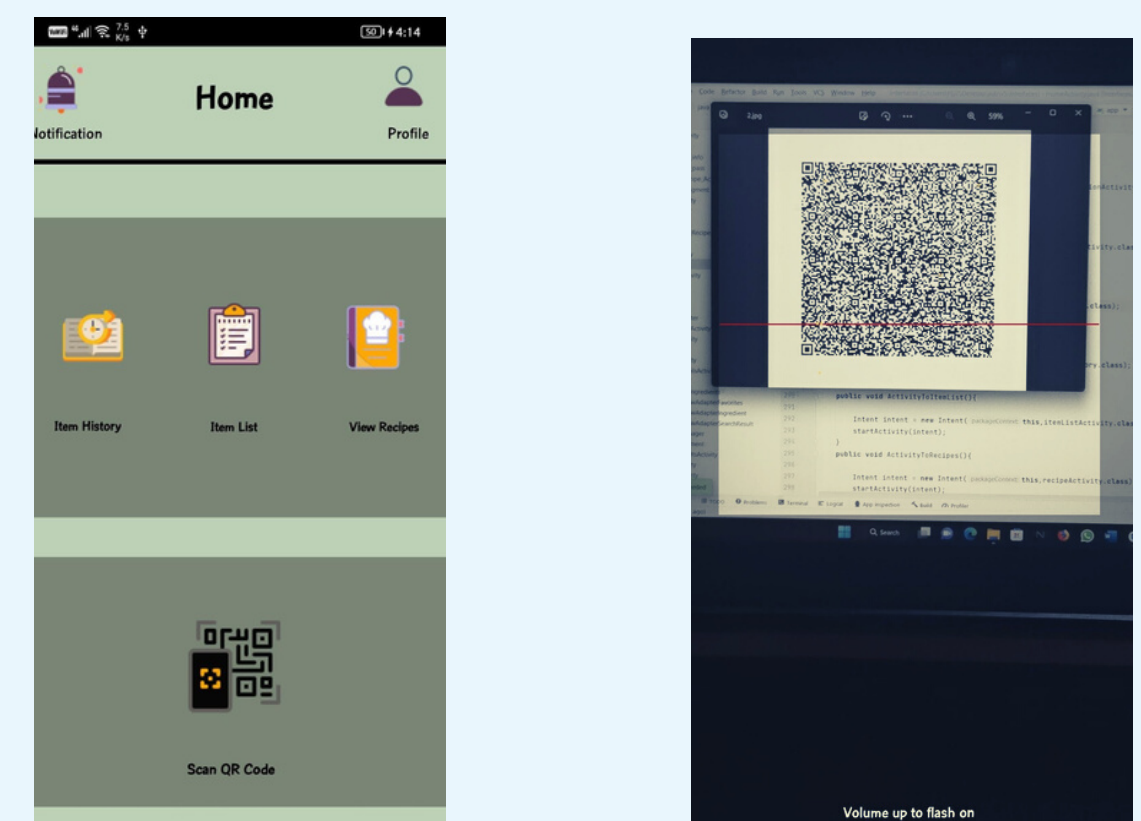
TOOLS



METHODOLOGY



RESULT



PURPOSE OF THE PROJECT

Provide an efficient friendly app that reduces food waste, promote health, helps people save time and money, by snapping a QR code.



OBJECTIVES

Now my food and money are wasted

- Reduce Food Waste
- Money Efficiency

And I am allergic to some kinds of ingredients

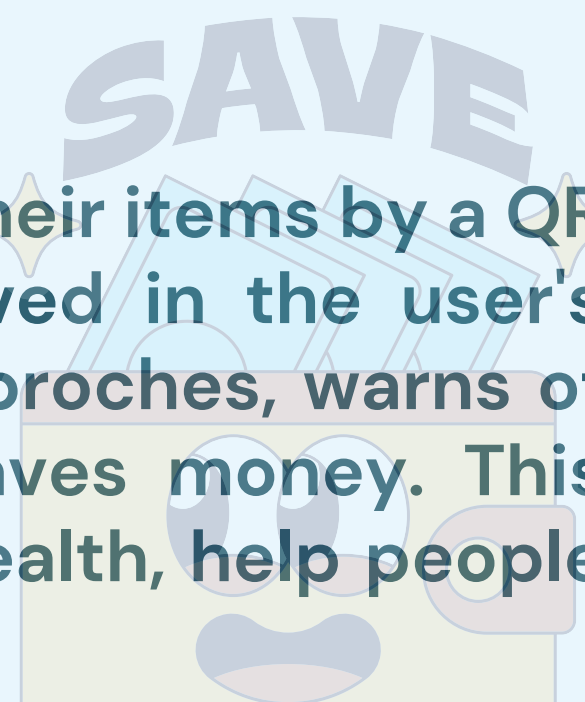
- Allergy Warning

...And I do not know if i have the ingredients to cook

- Recommend Recipes

CONCLUSION

SnapKit is an app that helps people know their items by a QR code snap. The item information is saved in the user's profile, notifies when expiration date approaches, warns of allergies, recommends recipes, and saves money. This leads to : reduce food waste, promote health, help people save time and money.



FUTURE PLANS

- More information can be read from the QR code.
- Improve allergy alert to warn users of ingredients that may cause allergic reaction.
- Multiple users can use the app, for example, all family members.
- Notify the users of missing items, and generate a shopping list.

REFERENCES

