

# Design Document

Team04: Minty

Hao Lin, Callum McDowell

## Introduction

*Our app is a virtual community farmers' market.*

It is native android e-commerce application for showcasing and selling organic produce, including home-grown fruit, vegetables, herbs, and more.

The app showcases recommended items and available categories in the main activity, with the items browsable by category or a filterable search function. Individual items can be viewed in further detail in their own window.

## High-Level Use Case Diagram

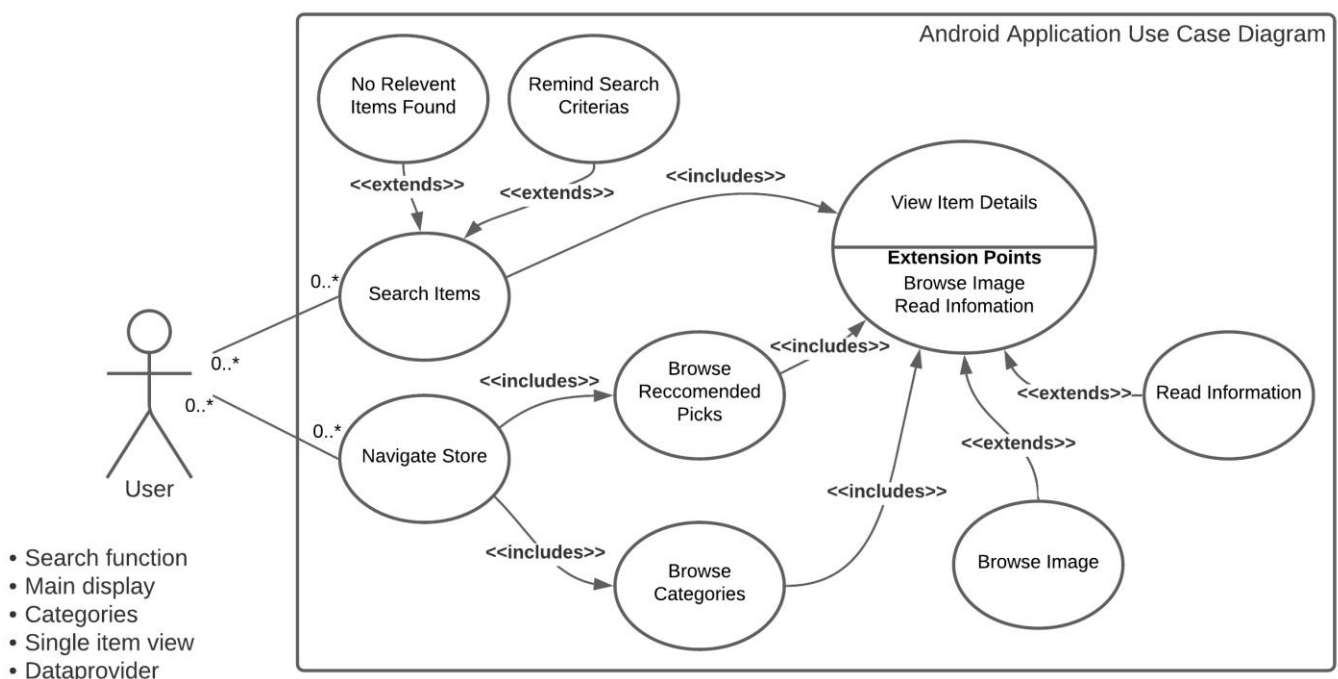
### Actors

The only actors in our software architecture are *users*, people interested in browsing through items of produce. Our software should allow users to:

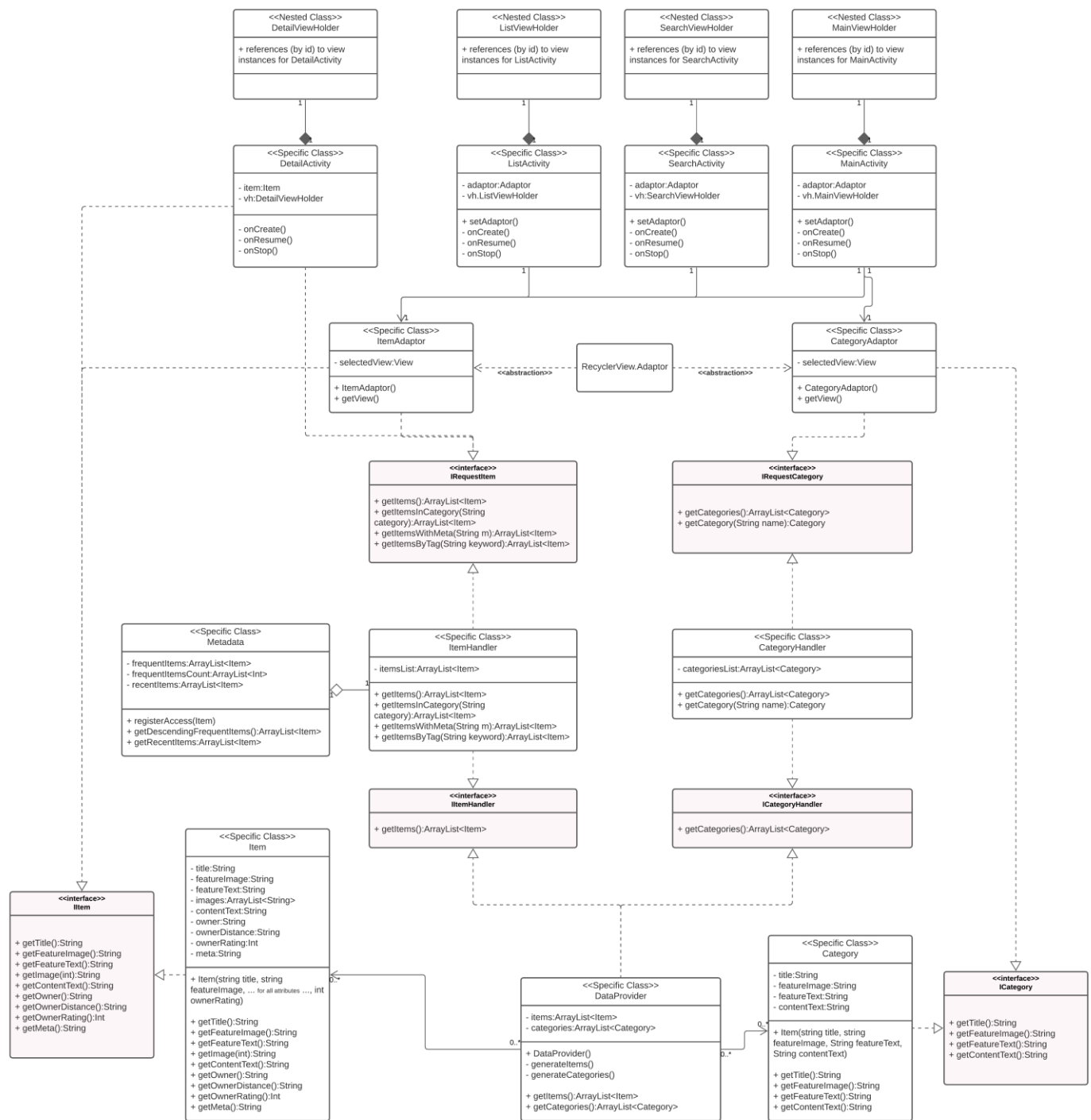
- Acquire applicable and relevant information on produce (availability, location, price, further details)
- Quickly and easily find the relevant items (by category or need).
- Receive an enhanced user experience with tailored relevant suggestions and prompts using metadata and user history.

### Actions:

- Navigate the application storefront (viewing items and categories).
- Search for produce by category or key terms.



## Conceptual Class Diagram



Mock Diagrams


NewMainActivity

Homepage

★


Top Picks

Hot!




Tomatoes

Hot!




Tomatoes


Hot!




Tomatoes



Vegetables




Fruit



Herbs

NewDetailsActivity

Vegetables



Onions

★

Beth McKenzie

3km away

\$0


Homegrown with no pesticides, great for winter stews!

Have 3 bags to get rid off. Pickup between 4-6pm please (can leave outside if you message me).

First house on the left of the turnoff by Williams Road.


NewListActivity

Items




Onions

\$0




Fresh Tomatoes

\$6




Cooking Apples

\$4




Too many apples!!

\$0




Green Kiwifruit

\$8




Potted basil

\$12



Late season melons

\$7.50



Raw turmeric

\$0.50

NewSearchActivity

Search

fresh

Start searching by typing keywords

Vegetables


☒

Fruit

☒


Herbs

☐




Onions

\$0




Fresh Tomatoes

\$4



Cooking Apples

\$6



Too many apples!!

\$0

## Project Schedule

We will segregate the tasks by front-end and back-end content. A soft deadline is planned for 24th of May. By the soft deadline, we would expect:

- The app includes all basic functionalities.
- The app is operational.

After the soft deadline, we will begin to work closely together on all departments.

Section	Developers
1. Introduction	Both developers
2. System Modelling	Hao Lin
3. System Design	Callum McDowell
4. GUI Mocks	Hao Lin
5. Project Schedule	Both developers

