**CS683 Project Assignment   
Iteration 2  
Grocery Shopping  
Alaap Bharadwaj**

**Instructions**

* This document template is used for iteration 1-4 (project assignment 2 - 5). Please specify the proper iteration number in the title and the filename.
* Please name your report as CS683\_<Last Name><First Name>\_<ProjectTitle>\_IterX. It can be either a PDF or Word document.
* Please submit your source code in a zip file named CS683\_<Last Name><First Name>\_<ProjectTitle>\_IterX.zip. You should create a zip file in AS ( using the Menu item File -> Export to zip file … ).
* Please provide your feedback in the “Add comments” section when submitting your lab report. Thanks!

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# Overview

(Please give an overview of your project. It should include the motivation, the purpose and the potential users of the proposed application. This can be the same as in your previous document. If you change it from the last iteration, please make a note.)

# Requirement Analysis and Testing

(For each requirement you have worked on in this iteration, please give a detailed description, completion status (completed, or partially completed) and show the testing results if completed or partially completed, such as screenshots of the application screens or log info). Please also specify if this requirement is a new requirement or a requirement you had started in previous iterations.)

For this iteration, I worked on the recipe page mostly, and getting it to work with some default recipes that were created so that I may test the functionality of the recipe page well. I have created a recipe list recycler view in my home page, however, when a recipe is clicked it does not navigate to its respective detail page, I have been able to find the problem in my onClick implementation. One of the fixes I was thinking of doing was changing my home fragment to a home activity and create fragment container views to handle all the fragments that occur after the user has signed in or continued as a guest.

Graphical user interface, application, email, Teams

Description automatically generated

# Design and Implementation

(Please describe Android components and features you have used in this iteration to implement the above requirements in your application. For each feature you used, provide a brief description and supporting evidences, such as sample code, log info, or screenshot(s) of execution results. Please specify mapped requirements and files in your project.)

For this iteration, I mainly focused again on the UI and put to practice the advanced UI techniques that were taught in class and throughout the lab. Working on this has been a lot harder than the previous iteration as there are so many more different things that are going on. I used a fragment container view for the recycler view which was hard to implement into my project. One of the problems I had was that I was unable to view the recipes detail. Since the structure is different to what I have been working on, I have been working on changing the structure and changing the home fragment to an activity.

# Project Structure

(Please provide a screenshot(s) of your project structure, which should show all the packages, java files and resource files in your project. You should also highlight any files/packages you have changed, added/deleted in this iteration comparing with the previous iteration).

Text

Description automatically generatedThe files that are highlighted blue are ones that have been added to while the files in red are the ones that I have added for this iteration. I have mostly worked on the recycler view which unfortunately is still not clicking properly.

Some updates to the structures I want to work on, is making Home Fragment the activity which controls various fragments which would include the cart fragment, recipe detail fragment, recipe list fragment, and the checkout page when working on that. By making the home fragment an activity, it will be easier to add fragments to the home page when needed as there is more progress.

The most time consuming of the iteration is changing the structure of the project to make sure it is good code and works well together.

# Timeline

(Please provide an updated status and plan to specify in which iteration each requirement is implemented (or to be implemented) using which Android features.

|  |  |  |
| --- | --- | --- |
| Iteration | Application Requirements  (E/D/O) | Android Components and Features |
| 1 | Home Page with recipes (Implementation phase) | API |
| 2 | Cart Page, displaying recipes (Implementation phase, will have more as soon as test above is done | API |
| 3 | Checkout ingredients page | Storing all recipes that have been chosen by user, and calculating ingredients |
| 4 | Display store chosen by user with availability of the items | Display of stores, and when store chosen display closest stores to |
| 5 | Log in and sign up | Google API log in |

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# References

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