CO2509 Lab 3

# Exercise 1. Brainstorming App Idea

## Nutrition App

* Have a list of frequently eaten foods
* Suggest the next food item to eat (eg. Some vegetable if user did not eat vegetables lately)
* Output calories, vitamins and other nutrition value
* Provided summary for the past day, week, month
* Show trends in eg. Calorie intake, vitamins, sugars
* Notify the user through Android notifications when the user should eat (eg. 8am for breakfast, 5PM for dinner)
* The times at which the user is notified can be changed.
* Ask the user for more information such as how do they like the meal, how energetic they feel after eating it. This could provide trends
* Record how many glasses of water they had
* Record the user’s weight
* Record the user’s happiness with their day on a scale of 1 – 10 (this can then be used to create a summary)
* The user should input their gender and age to get an estimate of their nutritional requirements
* Add a timer functionality with notifications to let the end user set up if and how long they would like to fast for
* Add custom recipes by typing in ingredients. The custom recipes can then be saved
* Set weight goals to reach by a specified date

## Book Review

* Have a list of all published books
* Let the end user review a book they read
* The reviews would be viewable by other users
* User favourites a book they liked
* User chooses to dislike a book they read
* User can share a list of their favourites/dislikes.
* User can choose to not be recommended books by a certain author
* Separate books into categories
* User can choose their primary language
* If the book has no copyright, provide a link to it or have an in-app download

## What Can I Cook?

* Show the end user a list of recipes they can do after they input the ingredients they have in the fridge
* Could also output the nutritional value of said foods
* The user could then review the food
* The review could be chosen to be stored locally only or to be uploaded to a public server where other end users could see the rating/review on their device
* Separate foods into breakfast, dinner, dessert

# Exercise 2. Mind Map

# Exercise 3. Crazy 8s