ENSE 405
Cellar Recipes Project Presentation

Alok Paranjape

Project Reintroduction

- Cellar Recipes, a food tracking/ recipe suggestion app
- Towards UN SDG #2, in the sense that it's improving access and usage of food to people in situations (i.e goal 2.1)
- Talked a bit with the Regina Food Bank
- Basically, a way to recommend recipes given the ingredients in a food hampers,
  - Sort of like an automated version of what they already do during packing

Tech Stack

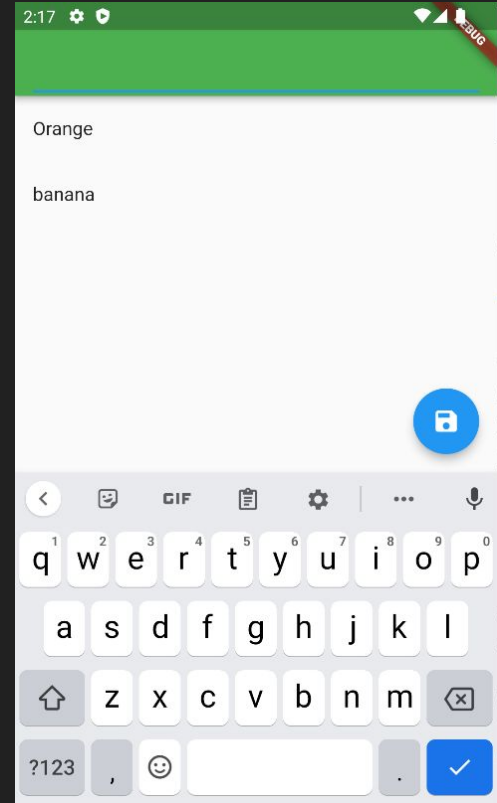- Using Flutter and Dart after trying and failing with Android Studio and Kotlin

Course Concepts

- Data to Knowledge pipeline, going from a basic list to knowledge about how to use it
- Plan Do Check Act, with development process, which was quite iterative.

After the Previous Scrum

- Went through a bunch more tutorials for Flutter
- Iteratively developed on the project
- Figured out how to get around that last issue with components scaling so it can actually run on mobile without the Error Lines
    - Made an app with stateful widgets and taskbar movement

- Looked into using SQFLite to make an actual persistent database for Ingredients
    - Made a basic database with CRUD operations for storing recipes w/ this tutorial
    - Ran into some issues with reading that database when

Current Iteration

- Made a really simple version of the project to focus on an MVP
- It's basically
    - a number of checkboxes for different ingredients and boolean operations to determine if a recipe should be visible or not.
- After that, using the Navigator Widget to go between the main menu and pages
    - One problem is that it's really static (like, specific pages for the recipes, and manually making the conditions), it doesn't automatically create pages.
    - Also not handling quantities or dates or other info, it's binary

Switching over to Demo

Reflection

- Ran into a number of issues/steep learning curve, didn't get as far as I wanted

- Still kind happy with getting as far as it did,

- The main lesson is not trying to learn a new language/API for a project over this short a timeframe

- Plans for future expansion would be trying to integrate the SQL database, and dynamically make the pages from it.
  - Might be easier to do with this logic, many simple SQL queries rather than a few complicated ones