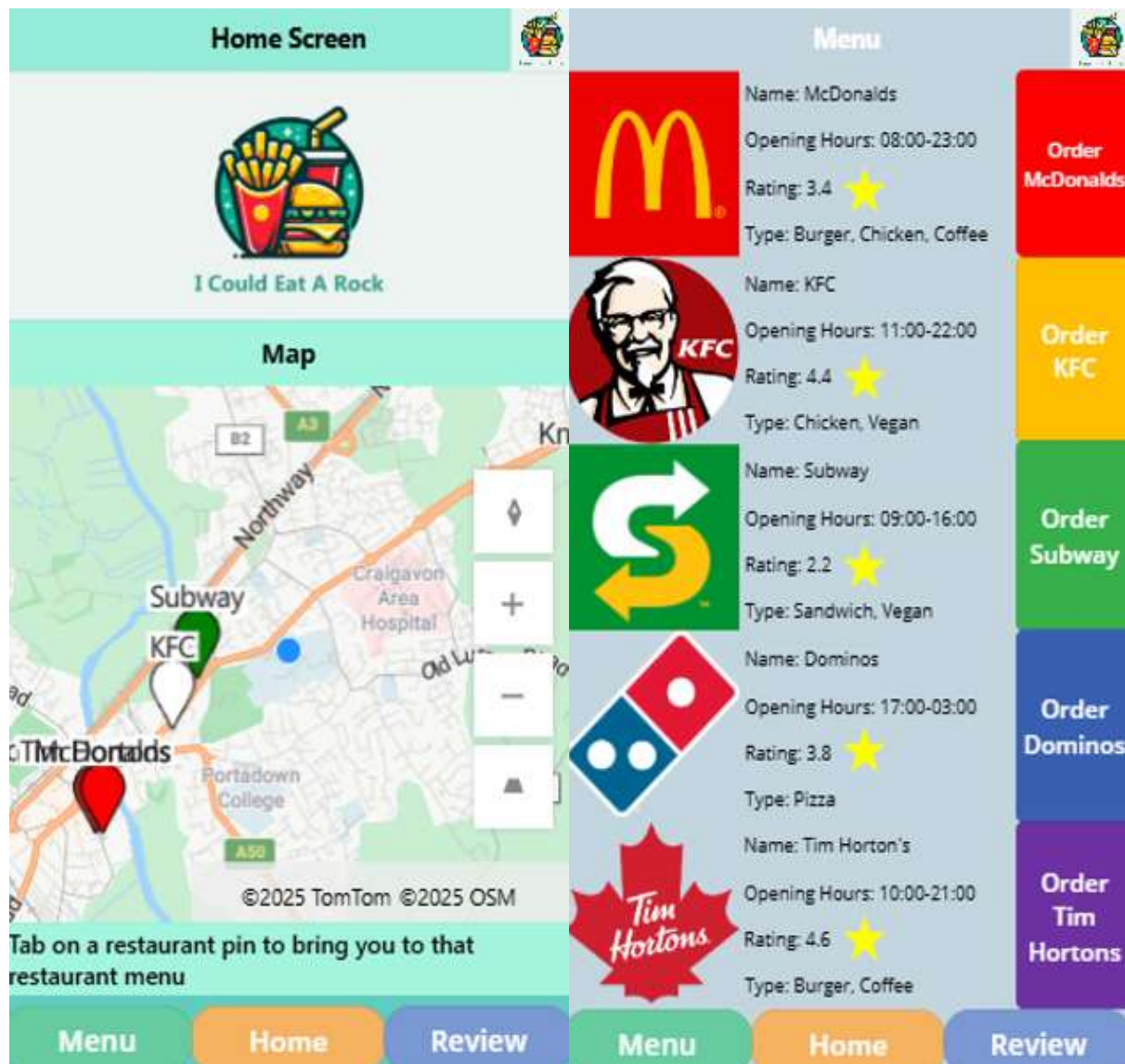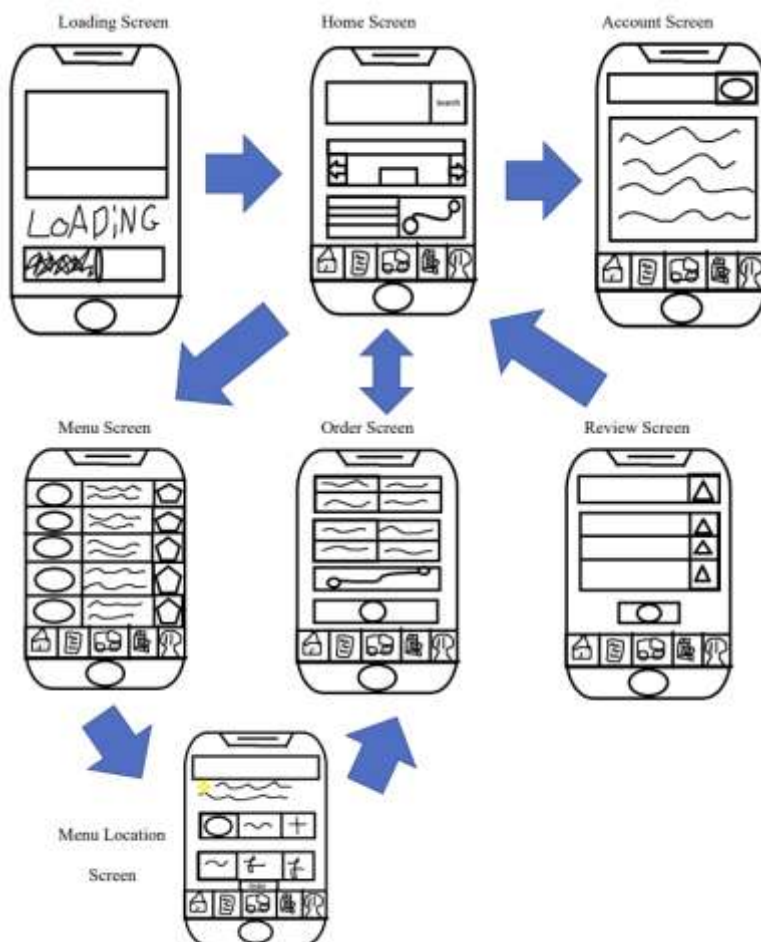# Delivery Mobile App

8th November 2024



## Background:

In September of 2024 I was set out to create a mobile delivery app just like Just Eat and UberEATS. The goal of this project was to create a delivery app for a mobile device that lets you pick a restaurant from a custom pin on google maps, and lets you go onto that restaurant and view their menu, and have an additional feature of leaving a review of the restaurant. I wanted to make sure that the interface of the app looks visually easy to under stand for any user while looking good.

## Planning Stage:

Before I created the delivery app, I first set out a list of ideas for what the delivery app can have which includes:
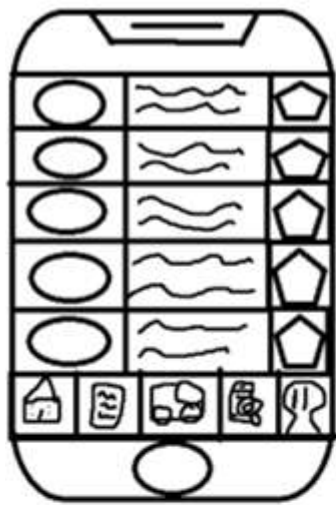
- A simple and easily understanding interview for users to easily use and navigate
- Pins for each restaurant on google maps
- Each restaurant displays their menu
- Have a review section for customers to leave a review for each restaurant
- Have a login page to let customers or admin for restaurants to log into separate accounts
- Only admins for each restaurant can edit the database of the menu of their own restaurant
- Have opening and closing hours that only lets customers make orders within the opening and closing hours of each restaurant
- Have each menu item display their name, price and calories
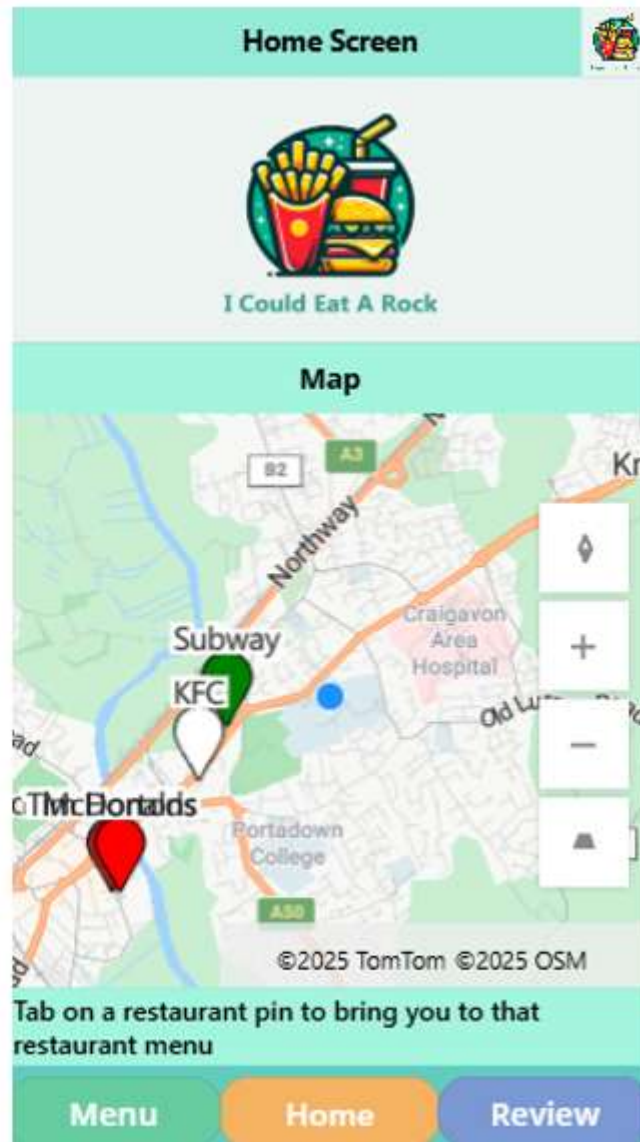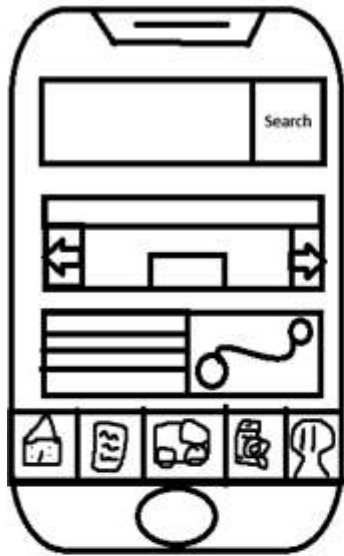
## Initial Sketches:



Before I started creating my delivery app, I first made out sketches of how the delivery app would function and how each page of it would look like, so that once I started designing and coding the delivery app, I would know in advance on how I was going to do it to make it easier with creating it and not waste time with trail and error with trying to get it right when making it, and this helped to safe development time and made it easier to create.

## Development Stage:



When developing each page for the delivery app, I used my initial sketches to help me with creating the layout of each page. In this screenshot you can see that I recreated my initial sketch of the menu page as close as possible, while making some small changes that I made while developing the menu page. The main change that you can see if that the navigation bar at the bottom has less in the actual page and is more simplified and better for navigating the delivery app. I also included the title of the page at the top and the logo of the business in the top right corner as well.

Some pages had a lot of changes from my initial sketch as I had different ideas in development while I got used to the software that I was using to create my project which was Microsoft Power Apps. After I created a few other pages, I had a different idea of how I would create the home page with making it simpler and more functional. For my final home page, I made the top of the page be the logo and banner of the delivery page, and the main content of the page take up most of the screen with having the map be big and make it easy to under that you have to click a pin of a restaurant to bring you to that page, I also included the navigation bar at the bottom as an accessibility feature to make it easy to navigate through the app and lets you go to the main pages as quick and easy as possible.
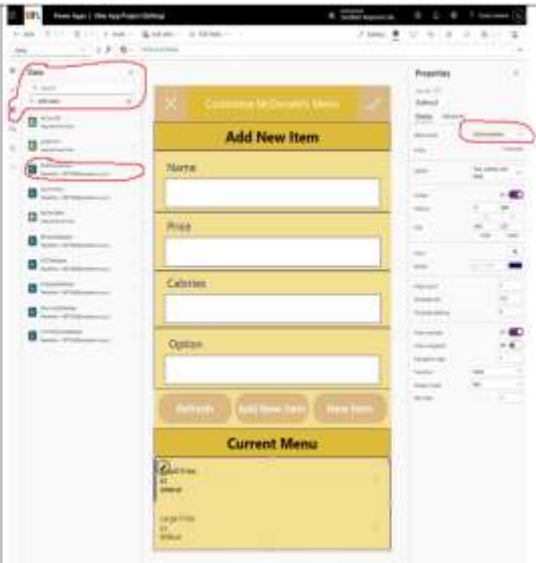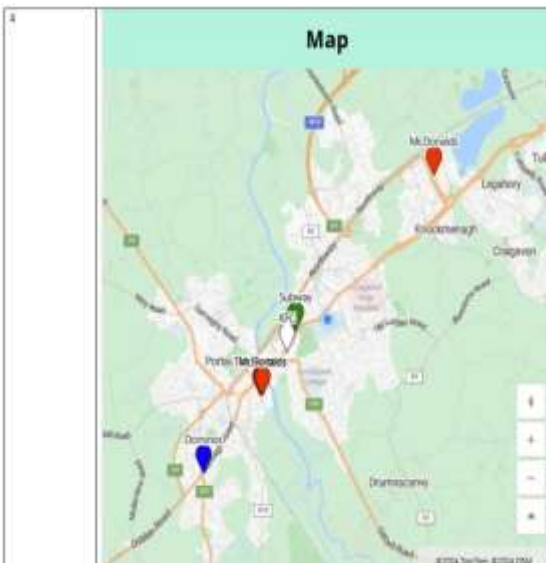
# Excel Database:

EverythingDatabase2
SharePoint - 30077482@students.src.ac....

When it came to creating my database for my delivery app, I used Excel to make a database for everything with my delivery app which included the geolocation, opening and closing hours, each item on each menu, star rating, and more. Once I finished the database on Excel, I ported the database file to Microsoft SharePoint which changed the format of the Excel file to be compatible with Microsoft Power Apps.
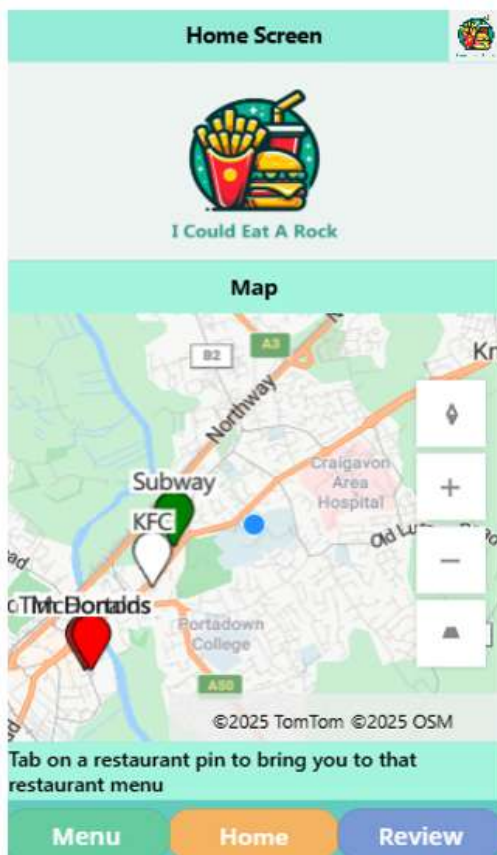
# Testing Stage:

| Description | Expected Result | Actual Result | Screenshot ID |
|---|---|---|---|
| Does the App look easy / simple to use / understand | The App should look good, simple and easy to use for new users | Overall, the app looks simply to use with a minimum design, with key features in big and bold such as important text and big buttons with different colours and round edges to show that they are buttons instead of text so the user knows that they are buttons. | 1 |
| Does the navigation bar work / friendly for users | The navigation bar should be easy to understand | The navigation bar is simple, big, clear to read, with each button being a different colour. This shows that each button is different and is a button as the button is round to make it stand out from text boxes / labels. | 2 |
| Does the project connect to database / excel data | The project should connect to the excel database and display in the information from them on the menu screen | The project uses SharePoint to connect PowerApps to the Excel data table to use that data in the project such as the map. | 3 |
| Does the takeaway locations show up on map | The take away location should have an icon on the map to show that it is connected to the map | The map uses map feature of PowerApps and the map database I created in excel to work together and display the map with the pins and location names on it. | 4 |

| Screen ID | Screenshot |
|---|---|
| 1 | **Home Screen** <br><br> I Could Eat A Rock <br><br> **Map** <br><br> Tab on a restaurant pin to bring you to that restaurant menu. <br><br> Menu    Home    Review |
| 2 | **Menu**    **Home**    **Review** |
| 3 | Customise McDonald's Menu <br><br> **Add New Item** <br><br> Name <br><br> Price <br><br> Calories <br><br> Option <br><br> Refresh   Add New Item   New Item <br><br> **Current Menu** |
| 4 | **Map** |

After I finished developing the delivery app, I started testing it to try and find any bugs or issues with it, in order to fix them before I finished the delivery app. When testing I made sure to document my progress with testing my delivery app to make sure that the final app meets the requirements that are being tested in order to proof that the app functions as intended. From the screenshots above you can see a table of testing that I set out for myself and I documented what I expected to happen and what actually happened with also having a screenshot of each test to show the outcome for it working.

## Other Pages:



The home page displays the banner of the delivery app and has the map with all the pins of the restaurants on it and clicking on these pins brings you to that restaurant, each pin as a different colour and name of the restaurant on them on the map.



The menu page displays all of the restaurants on the delivery app and includes their name, logo, opening and closing hours, rating, what type of restaurant it is, and a button to bring you to the menu of their restaurant to let you make an order from their restaurant on the delivery app.

The menu page of each restaurant has the same layout of this McDonalds page but each of them have a different colour scheme to match their brand. On each menu page it shows the banner, logo, opening hours, and items of each restaurant. Each item on the menu displays the name, number of calories and price of each item on the menu.



The review pages let you read reviews left by other customers that have previously used the delivery app. This page lets you see other customers reviews at the bottom of the page. At the top of the page, you can create a new review. When creating a new review, you need to type in the restaurant's name, meal you got, write what your review is about, and your name, once you click add new item, the new review will be added to the review database and can be new at the bottom of previous views afterwards.