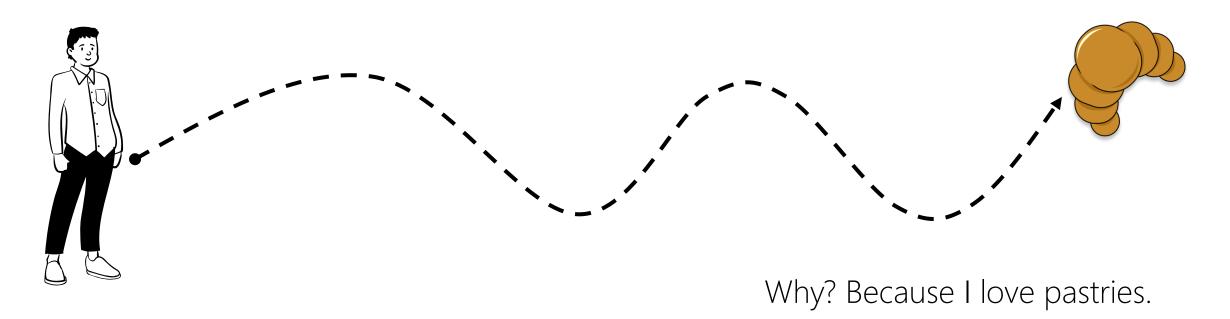


Ideation

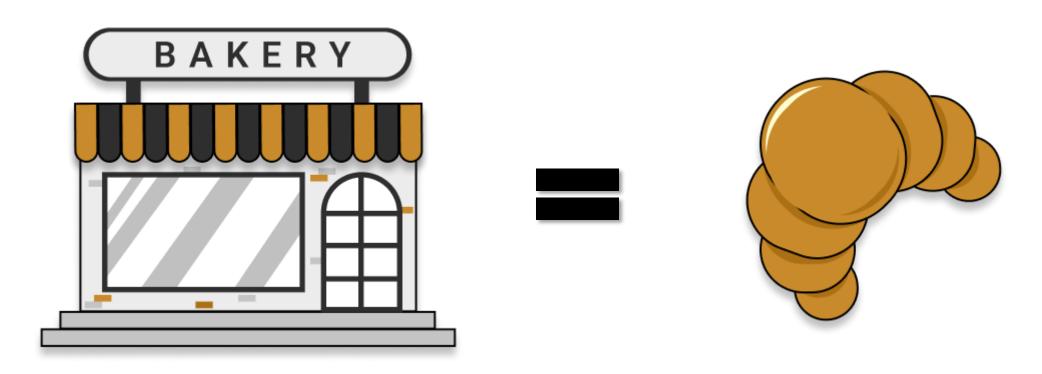
Inspiration & Intent

The intent of this project was to develop a mobile application using Flutter and Dart that would allow a user to press a button and be routed towards their nearest croissant.



Key Assumptions

The major assumption being made within this project is that every bakery or cafe will have croissants.

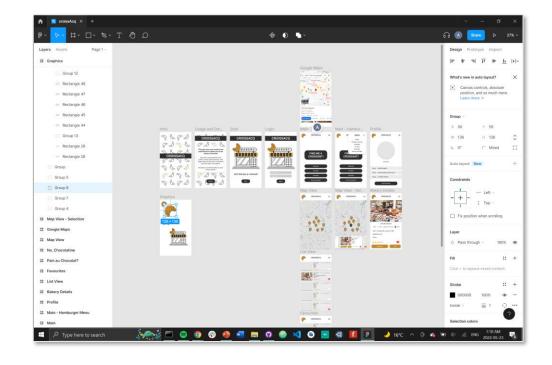


Development

App Prototype

Before beginning this build, I prototyped CroissAcq on Figma to get an idea of how I wanted the app to look and feel for the user.

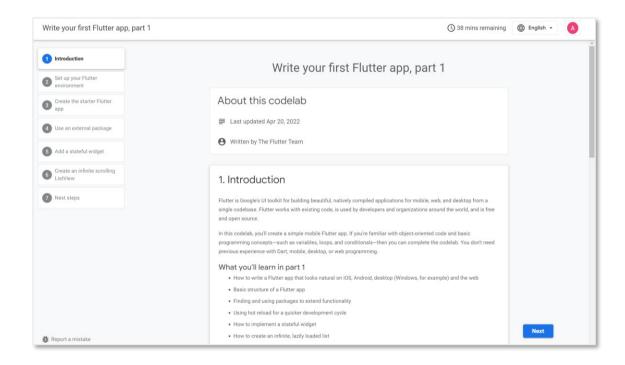


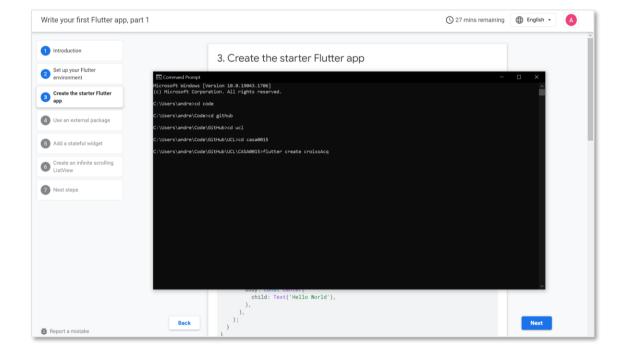


App Setup

Ideation

This project began by setting up a flutter app.





Development

Problems

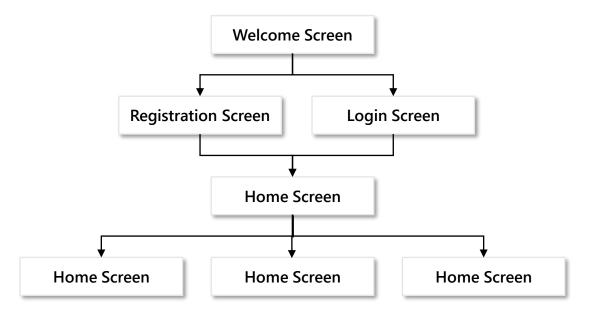
Final Submission

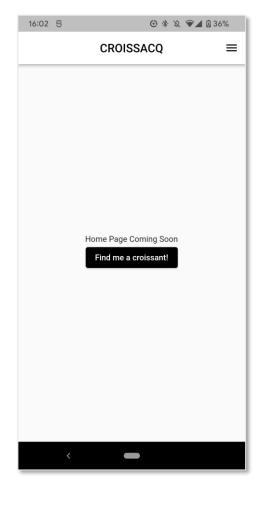
Next Steps

Question Period

Hierarchy and Navigation

- I decided on screen hierarchy.
- I implemented a drawer menu.







Development

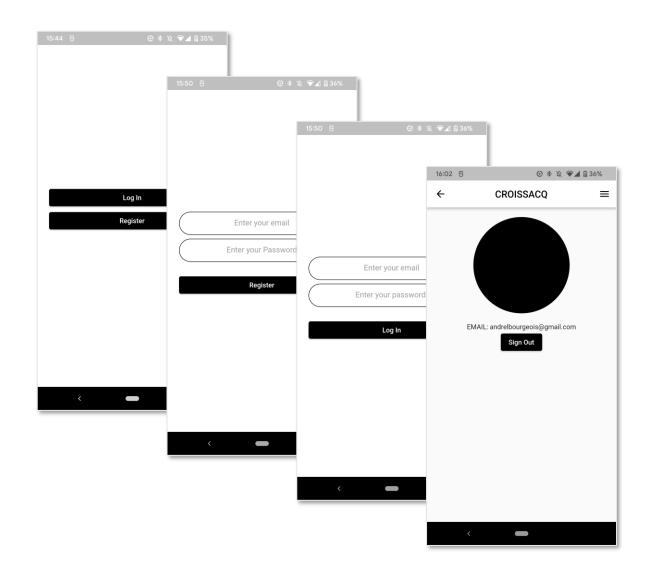
Final Submission

Next Steps

Question Period

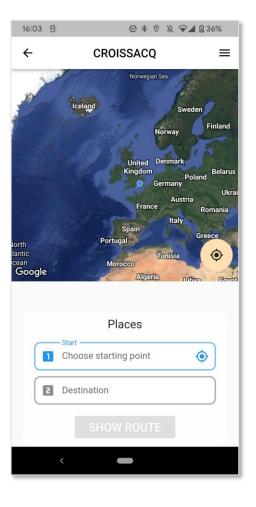
Firebase Authorization

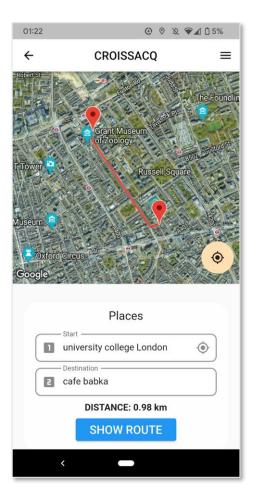
- I implemented welcome, registration, and login screens to obtain user information (email and password).
- I implemented profile screen which retrieves user information (email) from Firebase and displays it for the logged in user and allows the user to log out.



Mapping and Routing

- I used Google Maps API to natively host a map within CroissAcq.
- I implemented routing by retrieving the user location and using polylines, geolocation, and geocoding.





Problems

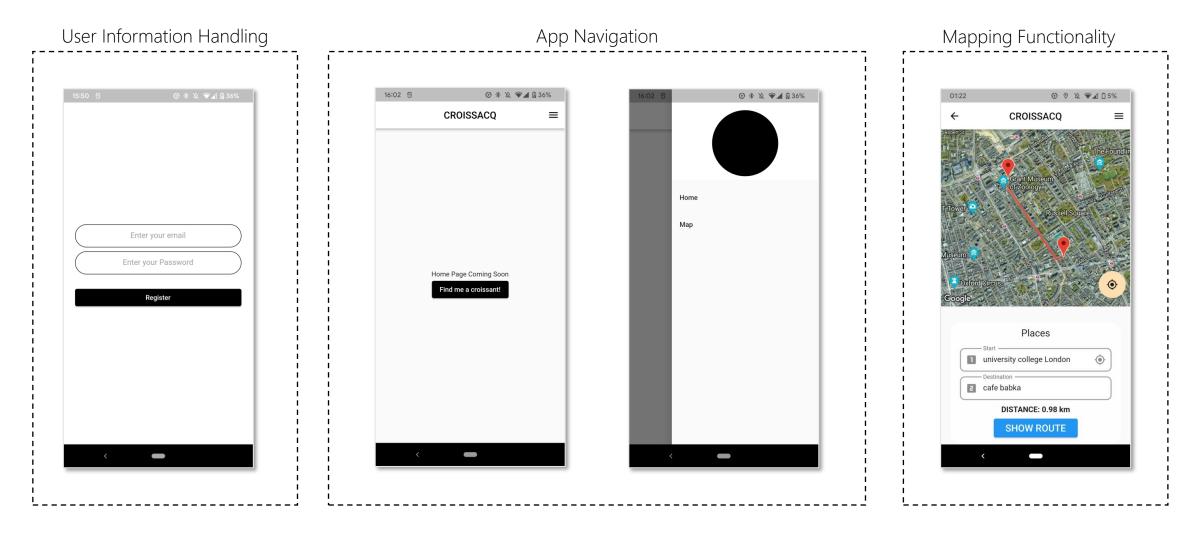
My Application to the Wall of Stupid Mistakes

- Code replication for the drawer menu

 I had already replicated the code throughout various screens before deciding the drawer menu would work better as a function.
- Accidently uploading API keys
 This happened 5 times as I tried to figure out how to remove the necessary files from being track.

Final Submission

Final Submission



Next Steps

Next Steps

The most critical next step for this project would be using the existing functionality to make a single button which can route a user towards their nearest bakery or cafe.

Other To Do's

- Make colouring and themes consistent
- Implement avatar image in drawer menu and profile screen
- Ask for more user information
- Isolate mapping functions into a separate file
- Implement validation error handling for user authorization

Questions