iOS Projects

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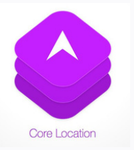
Contents

- [x] WeatherX // Swift
- [x] DiscussX // Swift
- [x] NewsX // SwiftUI
- [x] Lazy Cook // React Native
- [x] Amuz Voters // SwiftUI

WeatherX(v2) - Overview

Tech Stack

[Swift - UIKit]



[Core Location]

Overview

A dark-mode enabled iOS app (MVC) that grabs live weather data using API from https://openweathermap.org/api and allows users to check the live weather for the current location based on the GPS data from the iPhone as well as by searching for a city manually using Swift protocols and extensions, and Core Location framework.

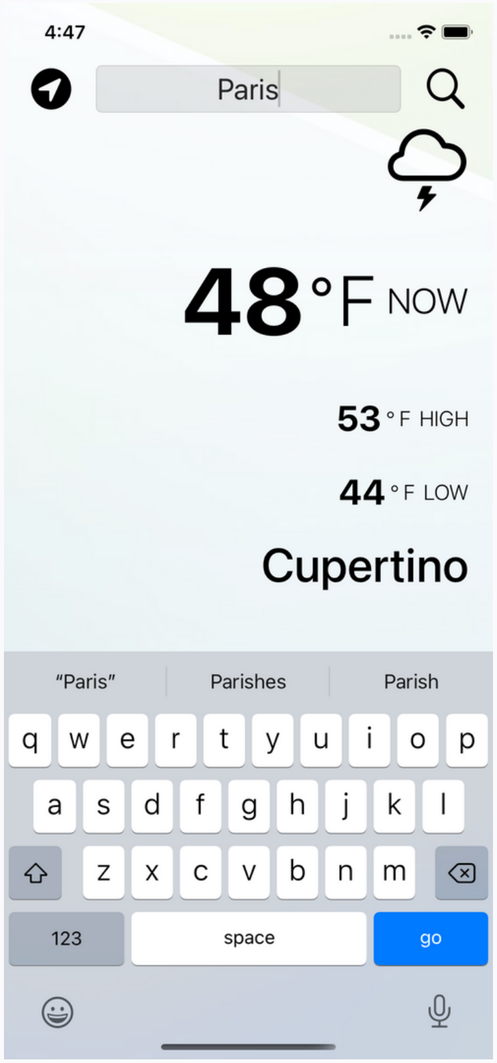
Learning Objective

- Creating a dark-mode enabled app and using vector images as image assets.
- Swift protocols and extensions and swift closures and completion handlers.
- Using URLSession to network and make HTTP requests and parsing JSON.
- UsingCore Location to get the current location from the phone GPS.

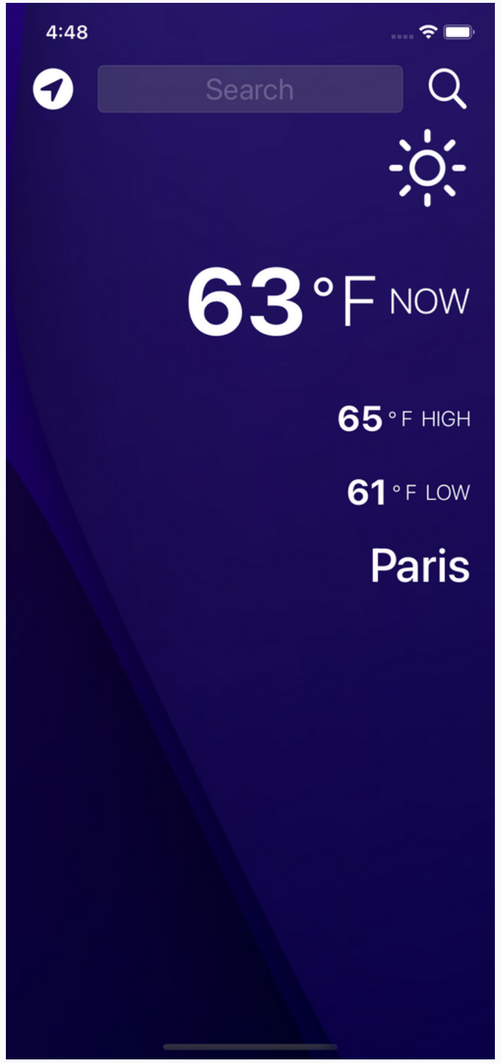
Details: *Full code Attached within the Zipped folder.*

WeatherX(v2) - App Screens

Live Weather Data



Search By City



Dark Mode Enabled

Core Location Data

DiscussX - Overview

Tech Stack

[Swift - UIKit]

[Cocoapods]

[Firebase]

Overview

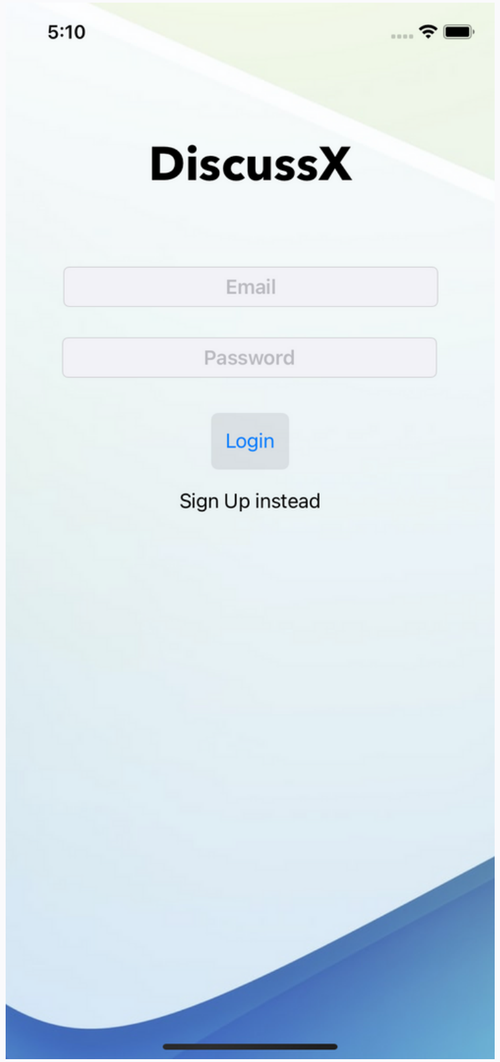
An internet based messaging iOS app (MVC) similar to WhatsApp, enabling users to send/receive messages using Firebase Firestore to store and retrieve messages from the cloud using cocoapods and Swift component Table View.

Learning Objective

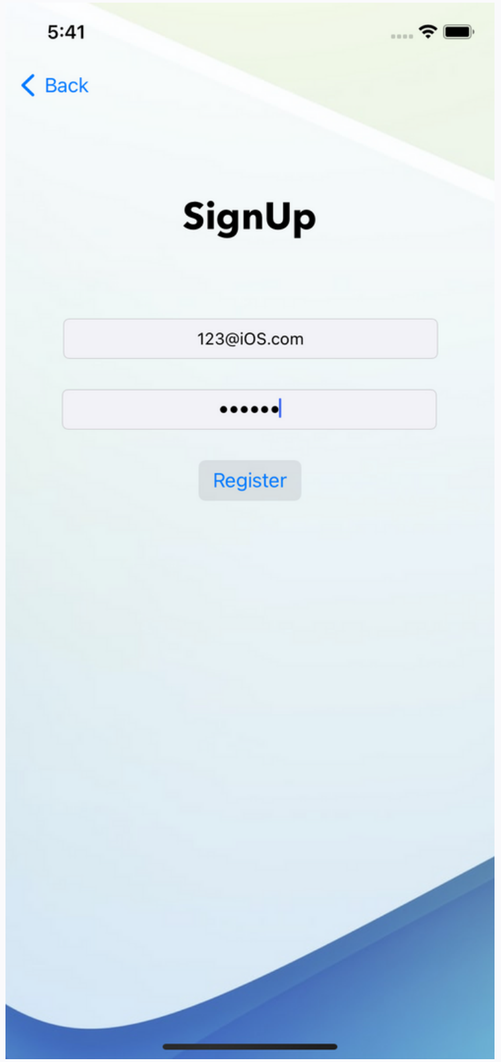
- Integrating third party libraries into the app using Cocoapods.
- Using Firebase Authentication. Storing data in the cloud using Firebase Firestore.
- Querying and sorting the Firebase database.
- Creating custom views using .xib files.
- Creating direct Segues for navigation.

Details: *Full code Attached within the Zipped folder.*

DiscussX - App Screens



Home Screen



SignUp

Chat View

NewsX - Overview

Tech Stack

[SwiftUI]

[WebKit]

Overview

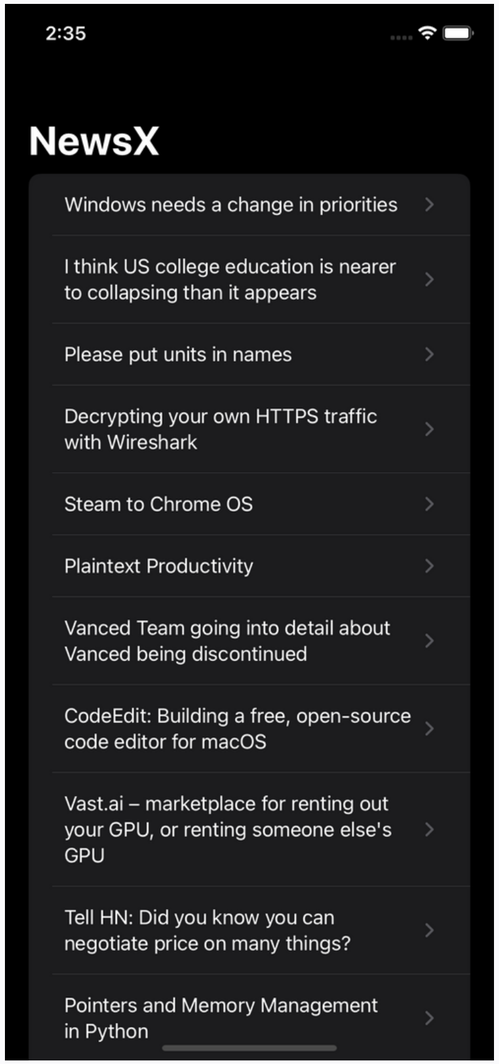
A SwiftUI iOS app that grabs most recent home/front page stories from hacker news by YCombinator using API from https://hn.algolia.com/api and enable users to check out the latest stories by hacker news and view them in Webview using WebKit.

Learning Objective

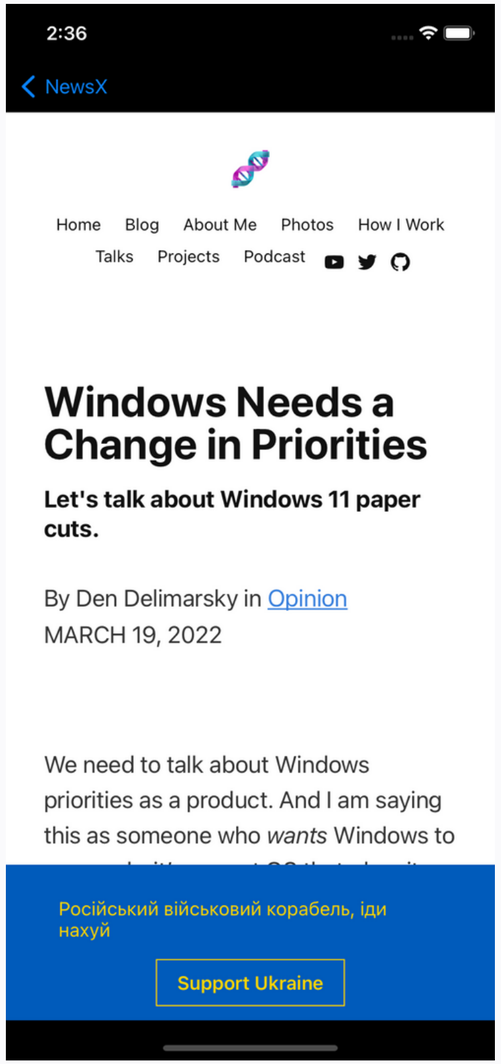
- Creating a SwiftUI app
- Using UIKit with SwiftUI
- Using Observer Design Pattern
- Using WebKit

Details: https://github.com/kbvyas/NewsX.git

NewsX - App Screens



News Stories List



Story WebView

Lazy Cook - Overview

Tech Stack

[React Native]

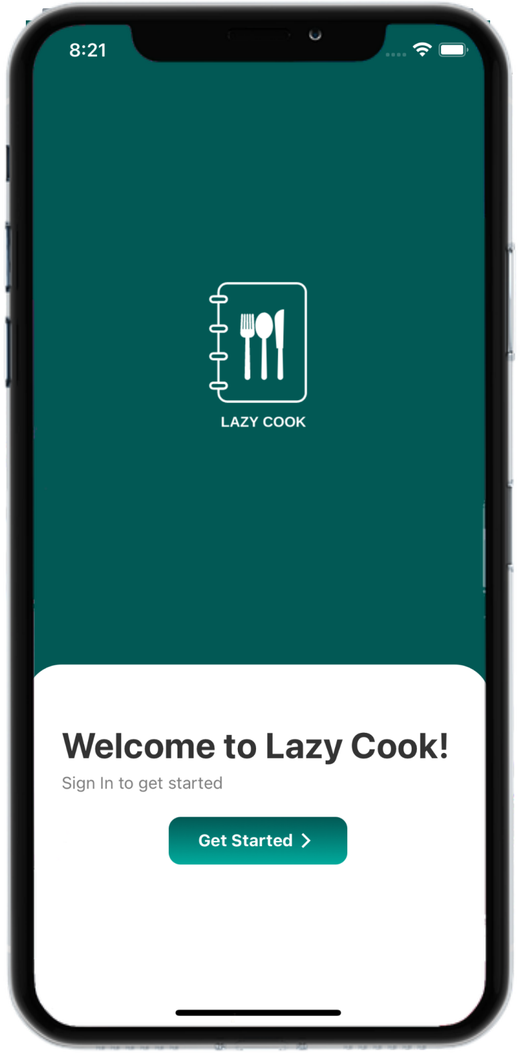
[JavaScript]

Primary Responsibilities

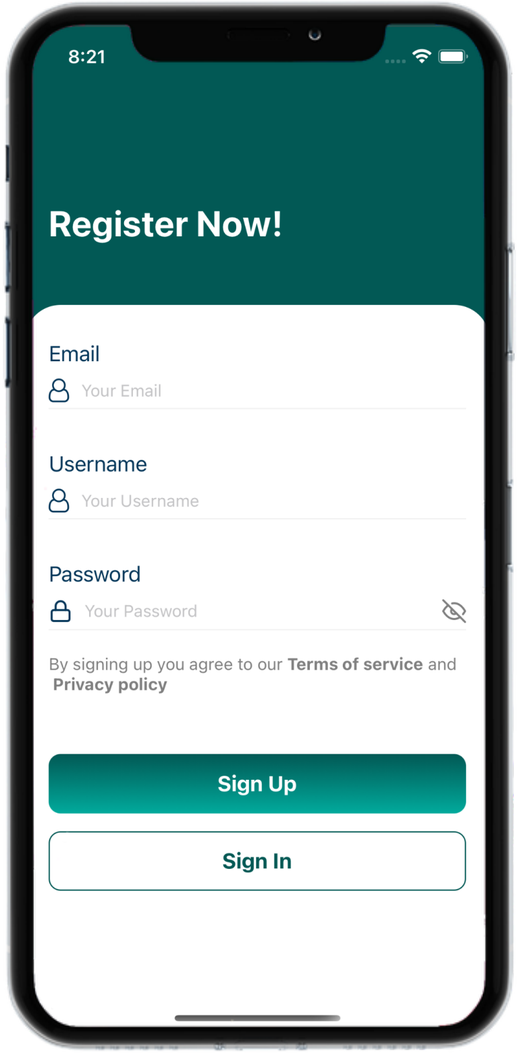
- Collaborated with a team of 6 to build an iOS mobile application providing a one-stop platform that allows users to browse/create recipes based on their available ingredients and nutrition requirements by simply clicking a picture of available ingredients and letting machine learning do the rest.
- Spearheaded the UX design, front-end development and user testing work distributed over 3 iterations (6 weeks total) achieving all planned features
- Developed and designed the entire application interface by conducting user research, extensive prototyping using Figma, heuristic evaluation using Nielsen’s Usability Heuristics, and usability testing using Think aloud protocol, alongside coding 6 out of the 9 designed screens, including user navigation.

Details: *Project was part of a Software Engineering class and by the instructor's guidelines, the Github repository is private. Please contact for further details*

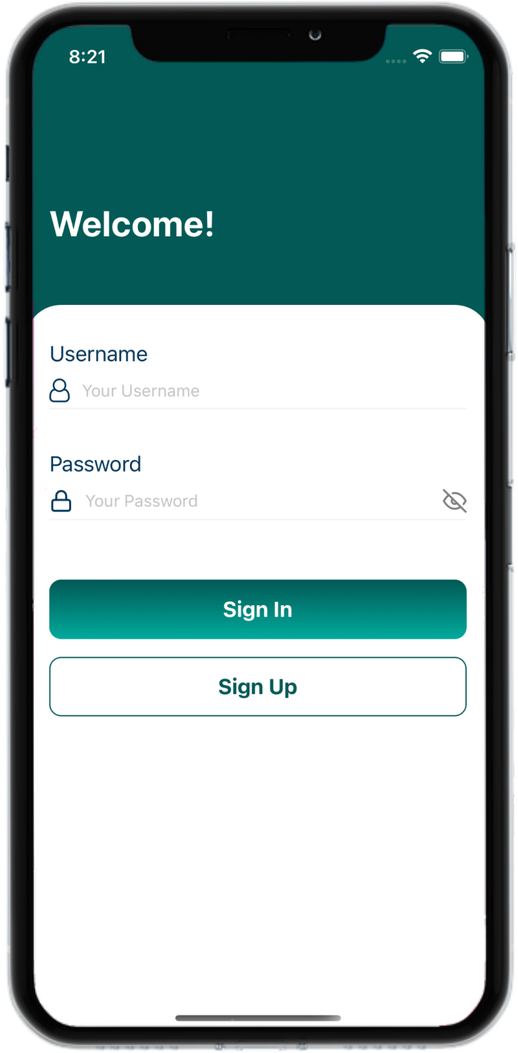
Lazy Cook - App Screens



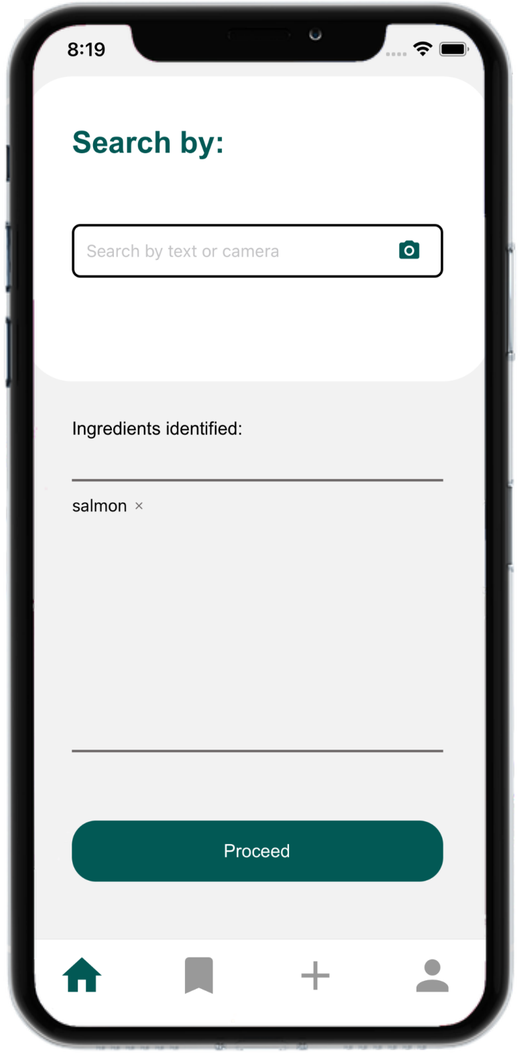
Welcome Screen



Sign Up

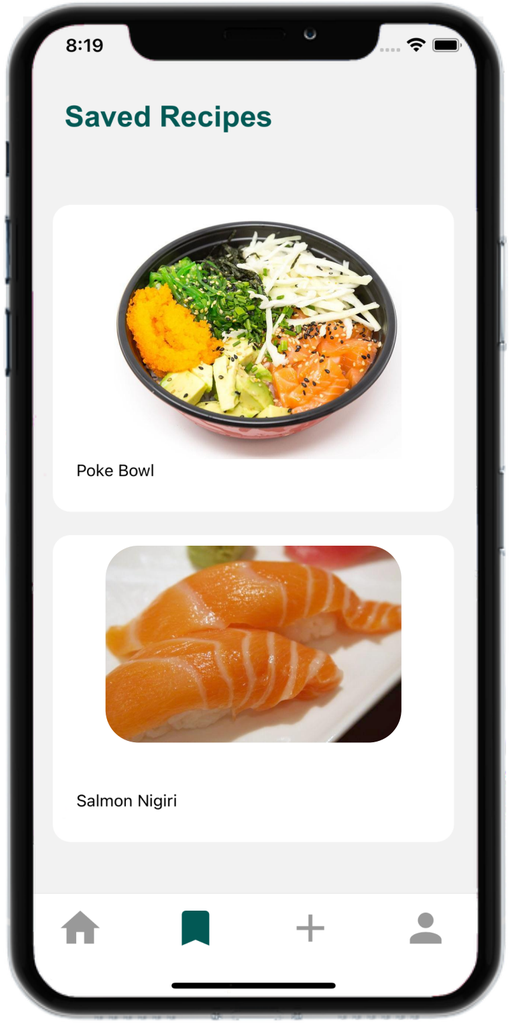


Sign In

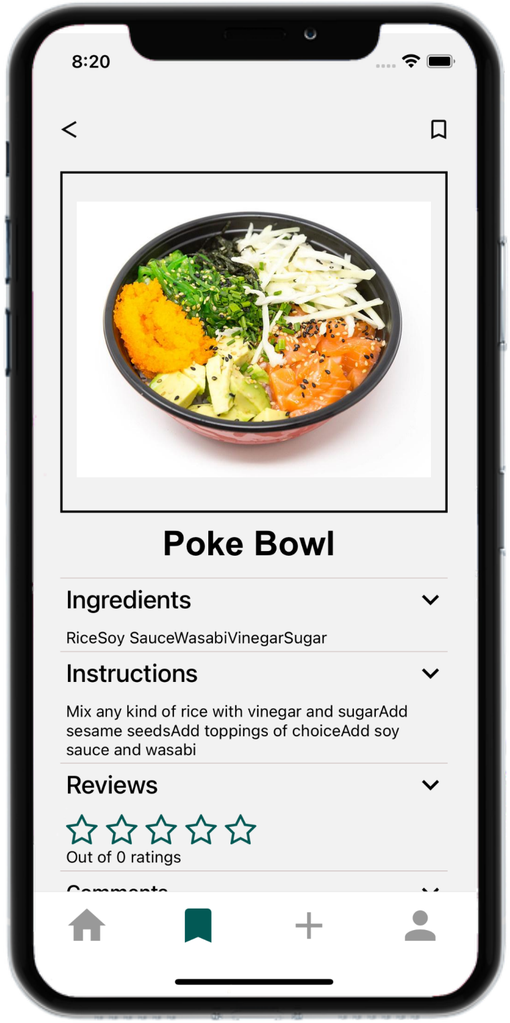


Home Screen

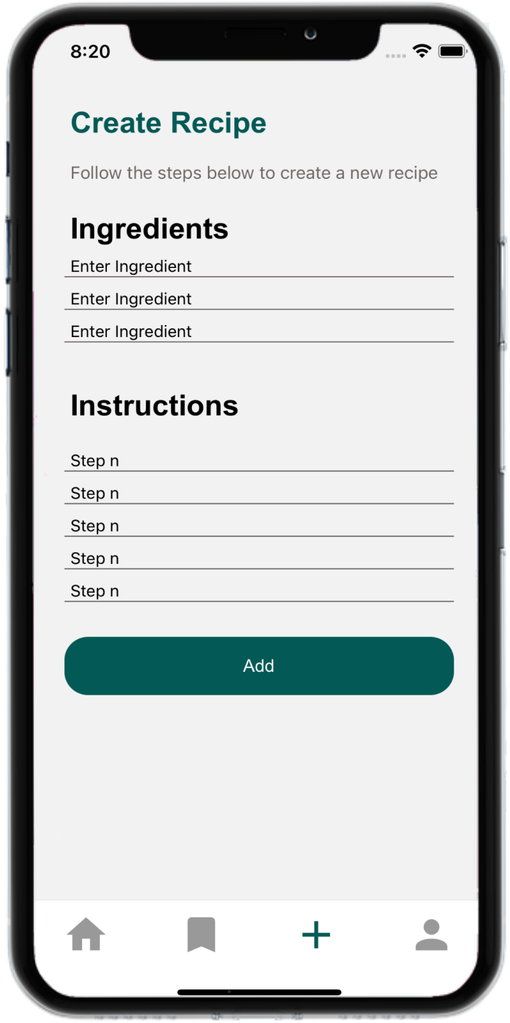
Lazy Cook - App Screens



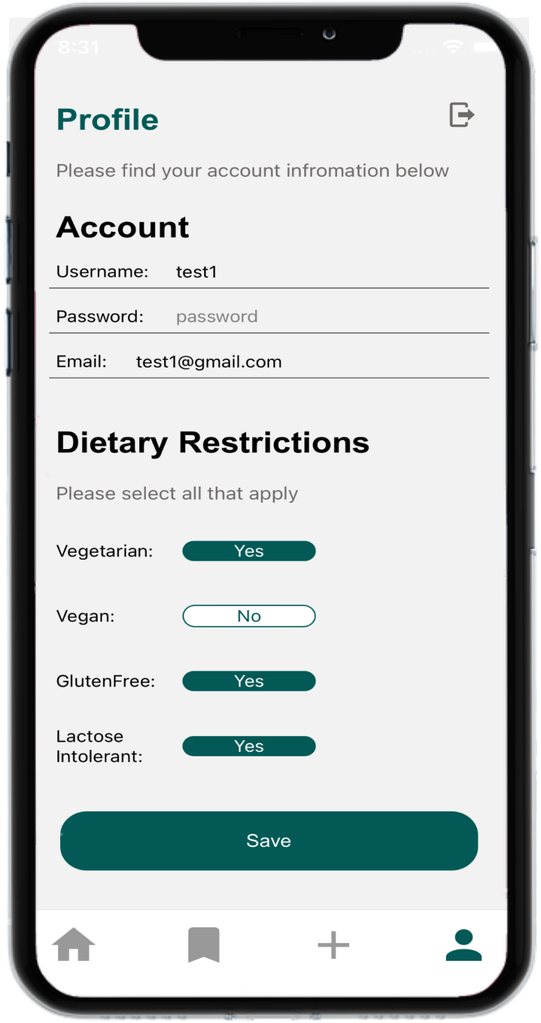
Saved/ Results



Recipe View



Create Recipe



Profile

Amuz Voters - Overview

Tech Stack

[SwiftUI]

[Mapkit]

Primary Responsibilities

- Collaborated with a team of 4 on developing a data-centric iOS mobile application aimed at making Wisconsin voter Information more accessible.
- Developed and streamlined Swift based application interface implementing several UIKit, MapKit, and SwiftUI views connected with Core Data model.
- Evaluated up to 3 UX approaches to assess additional development possibilities such as implementing ease of use with SiriKit for later app versions.
- Boosted DBMS efficiency by writing structured SQL queries enabling faster retrieval of micro-data in seconds.

Details: Project was part of Summer freelance development with Amuz. App Views/ details are maintained confidential.