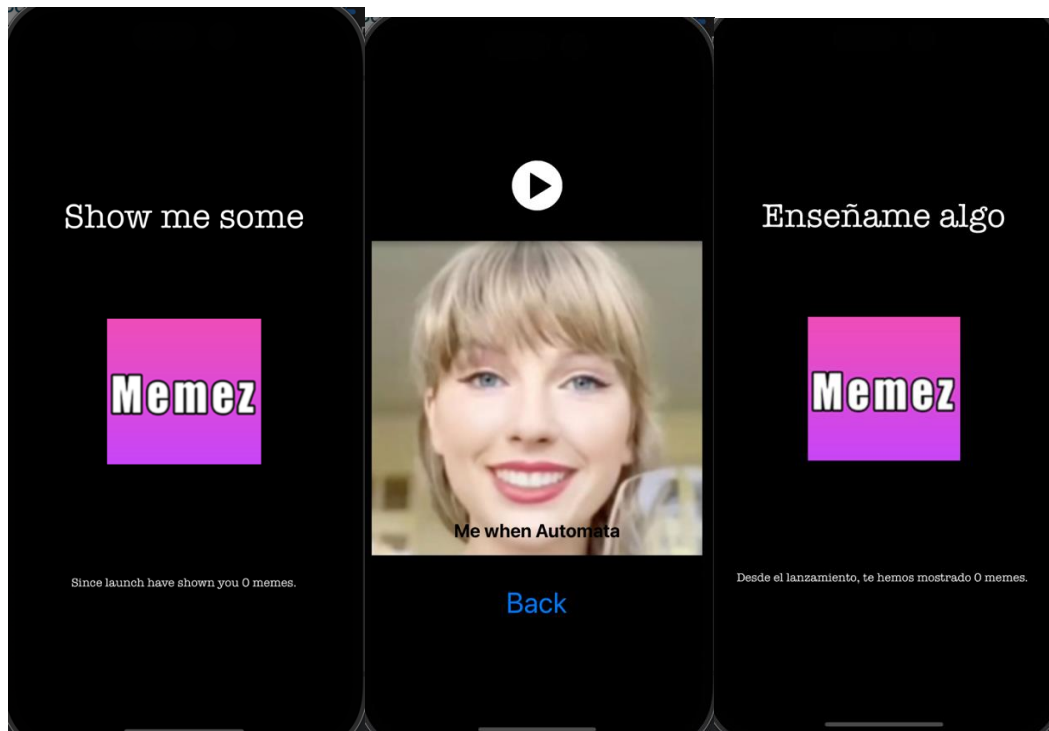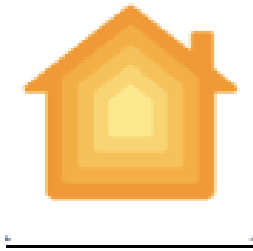# PROJECT 1

- **Name:** Memez
- **Description:** A simple application which generates a random meme (consisting of an image, text, and sound file) when the user presses the main button.
- **Features:**
  - ♦ Localized in Spanish
  - ♦ Contains audio files, which are randomly generated
- **Long Description:** A fun and engaging app which allows for random meme generation, stringing together an image, text, and sound file when the user presses the main button to create a new, exciting meme. There are 512 total combinations, so getting the same one twice is unlikely. Localization in Spanish further broadens the range of potential users.
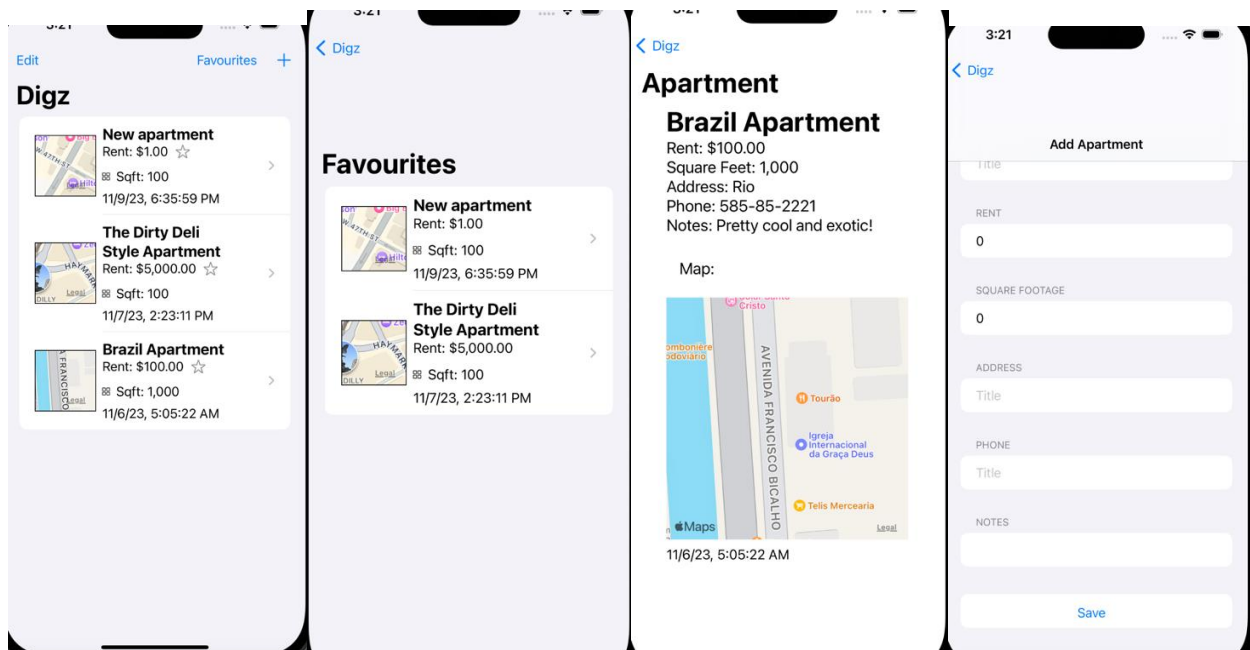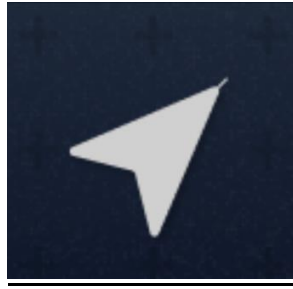
Screenshots:

PROJECT 2

- **Name:** Digz
- **Description:** An application which shows apartment listings available, with detailed information views, and also allows the user to add more apartments.
- **Features:**
  - ♦ Contains a Favorites View, which stores favorite apartments
  - ♦ Shows Location of each apartment via a MapKit incorporation
  - ♦ Contains persistence via Core Data
- **Long Description:** A very useful app that allows users to view and add apartments in any country, adding details such as notes and price, among others. It also allows users to see a list of their favorite apartments, add to it, and delete from it. Most importantly, the location of each apartment is also stored, allowing the user to view the location and its surroundings using an interactive map.
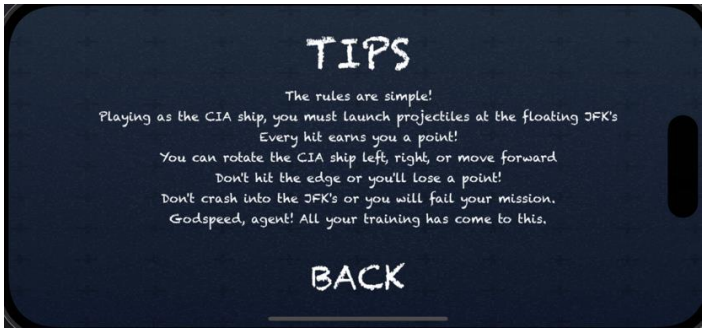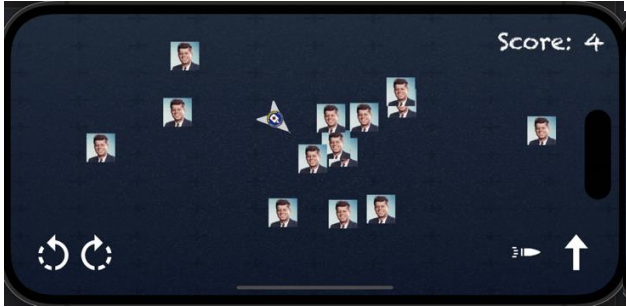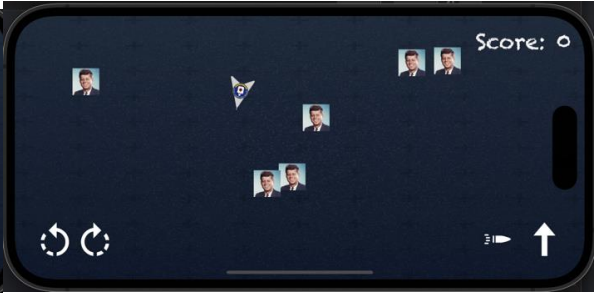
Screenshots:

COURSE PROJECT

- **Name:** CIAstroids
- **Description:** A modern impressionist take on the classic game "Asteroids" which involves the player taking on the role of CIA and trying to survive as long as possible, and destroying as many JFK obstacles simultaneously.
- **Features:**
  - ♦ Uses custom art, assets, and buttons to create a fun and engaging atmosphere to the game
  - ♦ Offers user control in the form of rotating/accelerating the spacecraft, or shooting projectiles from it
  - ♦ Incorporates random enemy generation (ensuring a minimum safe distance from the player) to enhance player engagement
  - ♦ Offers user customization in the form of difficulty sliders, with actual in-game effects
  - ♦ Uses App Storage to keep track of user settings and highest score
- **Long Description:** A modern impressionist take on the classic game "Asteroids" which involves the player taking on the role of CIA and trying to survive as long as possible, and destroying as many JFK obstacles simultaneously. With a comprehensive point system, and alterable difficulty settings, the user's highest score is kept track of as well.

Screenshots (next page):

CIAstroids

Start Game

Help

Quit

High Score:10

Difficulty: Normal

Score: 0

Score: 4

Score: 4

GAME OVER! Your score is 4

Restart

Main Menu

Quit

TIPS

The rules are simple!

Playing as the CIA ship, you must launch projectiles at the floating JFK's

Every hit earns you a point!

You can rotate the CIA ship left, right, or move forward

Don't hit the edge or you'll lose a point!

Don't crash into the JFK's or you will fail your mission.

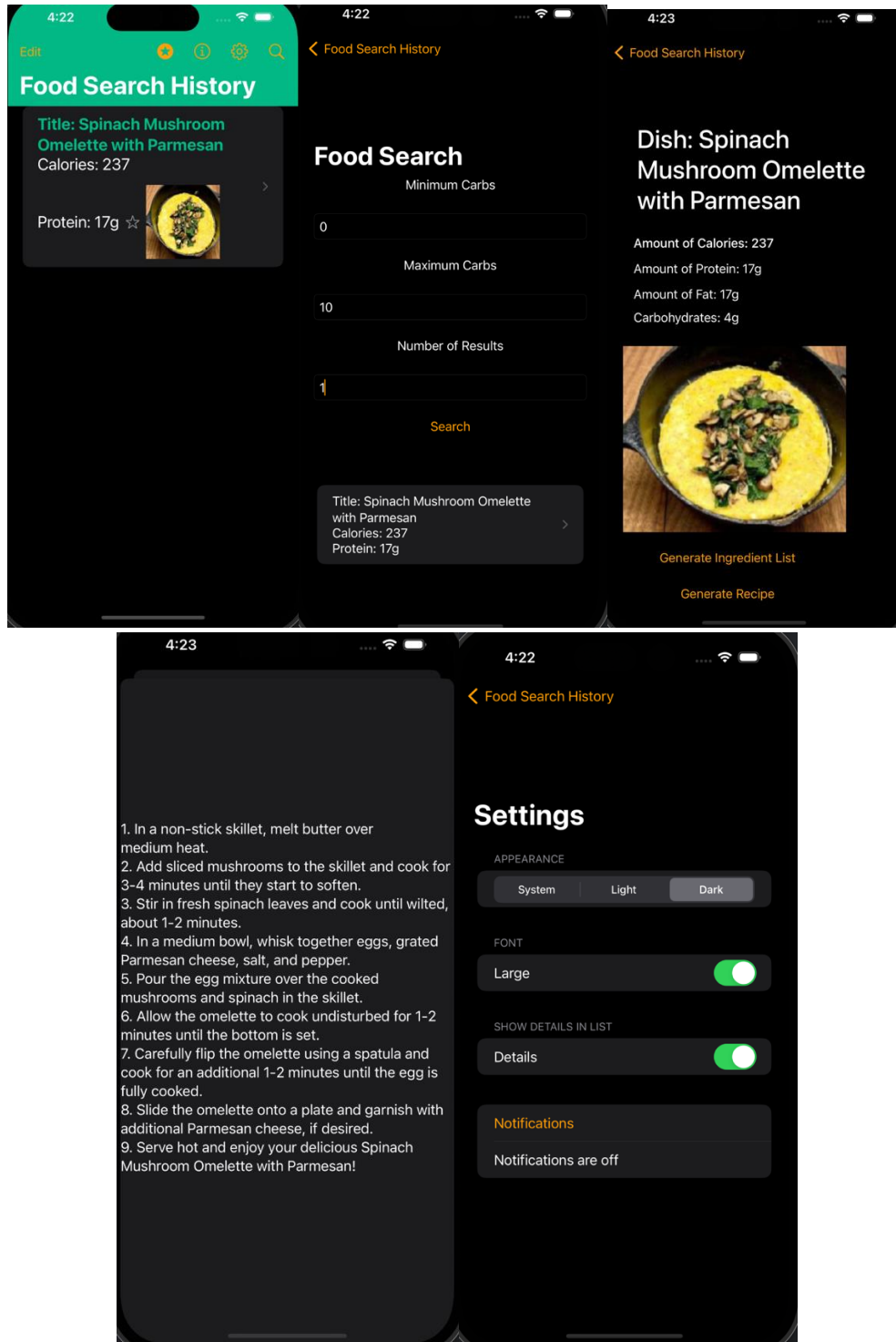Godspeed, agent! All your training has come to this.

BACK

PROJECT 3

- **Name:** HealthPro
- **Description:** An application which allows the user to search up low-carb dishes, store their favorite dishes, and search up recipes/ingredients
- **Features:**
    - Offers app customization, with options to change notifications, color scheme, number of data points shown, and font size
    - Contains API integration with 2 different APIs – a recipe API to obtain recipe's along with corresponding images, as well as OpenAI's API to access recipe/ingredient lists for searched dishes
    - Contains a Favorites View, which stores favorite dishes
    - Offers modification of text size or image orientation in the detailed dish view to enhance readability
    - Contains Persistence via Core Data and App Storage
- **Long Description:** A healthy diet application which allows the user to search up dishes which have low carb content within a specified range, with the help of the Spoonacular API. The history of all the user's past searches is maintained, as well as a favorite dishes list to allow the user easy access to their top choices. With ChatGPT API integration, the user can also lookup the ingredients or recipe for a particular dish they want. There are also plenty of options for customizing the app such as altering font size, dish image orientation, color scheme, among others, offering a unique and customized experience.

Screenshots:

These apps showcase my diverse work with SwiftUI, especially in the context of creating applications that are meaningful, fun, and engaging – ranging from more practical apps (such as Digz and HealthPro) all the way to actual games (CIAstroids)!