

Sarah Zaman
szaman
CSC 214: Mobile app development
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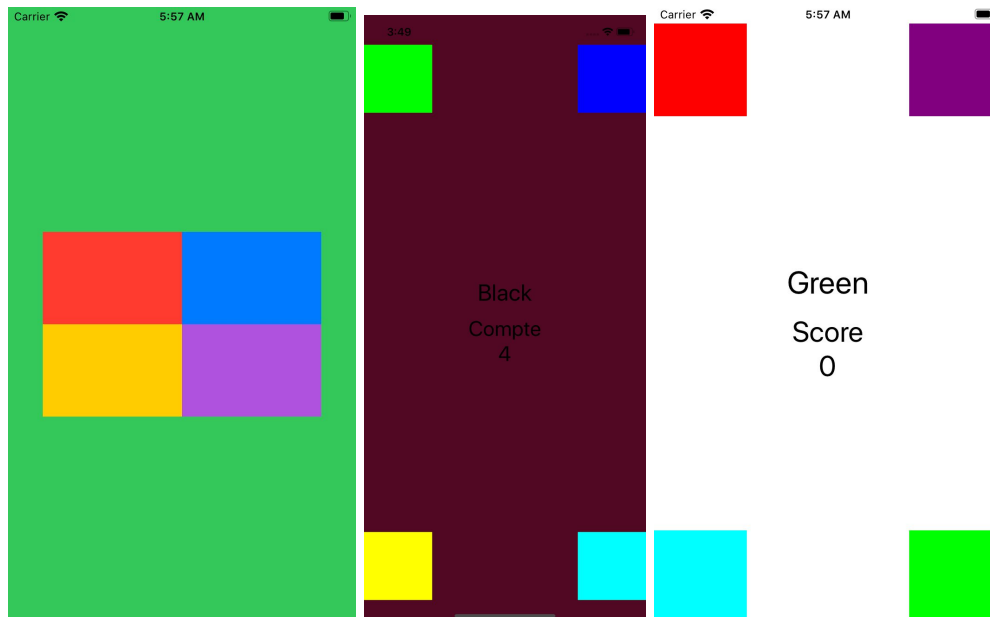
Portfolio

Color assessment test: Project 1

App icon:



This game names a color on the screen and the user has to tap that color to receive a point and if the wrong color is tapped, a point would be deducted.



Features List:

- Localized in French
- Timer to change colors
- Model for the game
- Launchscreen

This game works a cognitive assessment test for the user. The user has 1 second to respond to the color shown on the screen by tapping the right color on the three corners of the screen. The user has to click the background color if none of the colors on the screen match the four colors on the four corners. If the user clicks the wrong color, they lose 1 point.

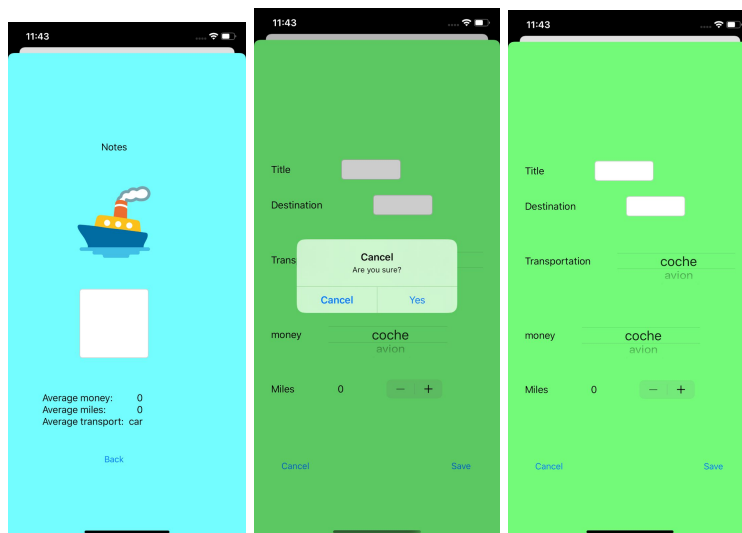
This app can be used as a cognitive assessment test checking for fast cognitive response.

My Trip: Project 2

App icon:



This app lets the user document their trips. This uses CoreData to store the data that the user inputs.



Features List:

1. There are three view Controllers.
2. Alerts are added
3. There are two pickers and one stepper used.
4. App icon added.
5. Launch Screen added
6. CoreData

This app is for adventurous users who want to document their trips. In the three view controllers - one is a tableviewcontroller that is embedded in a Navigation controller. There are two bar buttons at the navigation bar, a + and a “Notes”. Both take us to a different view controller each. The “+” takes us to a view controller where the user can add 5 attributes - location, money spent, the transport they took, the title for input and the number of miles. This information will

then be added to the table. If the user exits without adding anything to the table, the user will be asked if they are sure that they want to exit without adding anything to the table. The “Notes” button will take us to another viewcontroller where the user can add notes about their day and shows average stats of their travel (money, miles, transport). When they exit this viewcontroller by clicking the “back” button, another alert shows up.

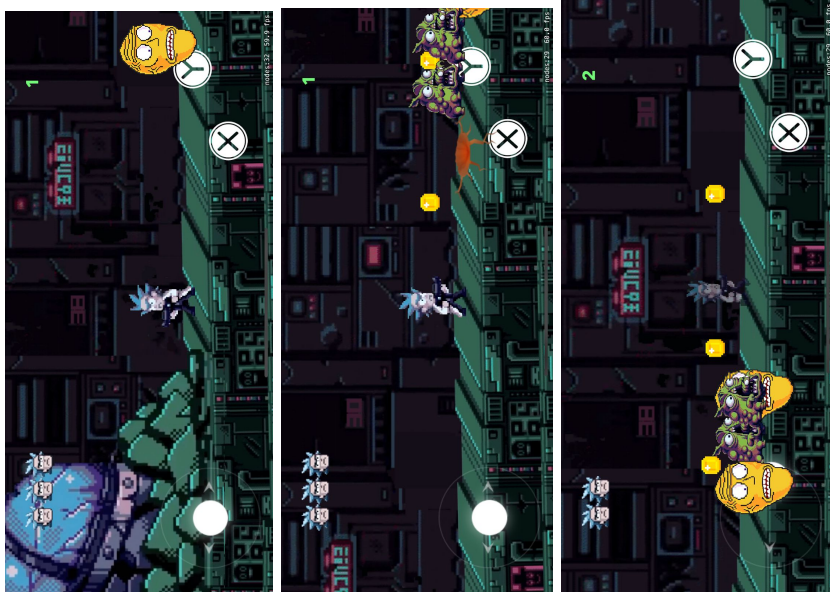
The best app for adventurous souls.

Get Swifty: Hackathon Submission

App icon:



This is a Rick and Morty platformer game. This is made with a SpriteKit with game state machines incorporated into it.



Features List:

1. Game state machines
2. Audio
3. SpriteKit
4. Joy stick
5. Enemies

This game was inspired by an episode of the show Rick and Morty that featured the enemies Cromulons. This is a platformer adventure game where the user plays as Rick. The user uses the joystick to move around and the x and y buttons to jump and shoot at enemies. There are meteor shower of the cromulons falling and if the user gets hit, they lose a heart (out of the three hearts they have). If the user loses all hearts then the game over screen shows up. There are also random enemies generating from every direction that Rick has to shoot at.

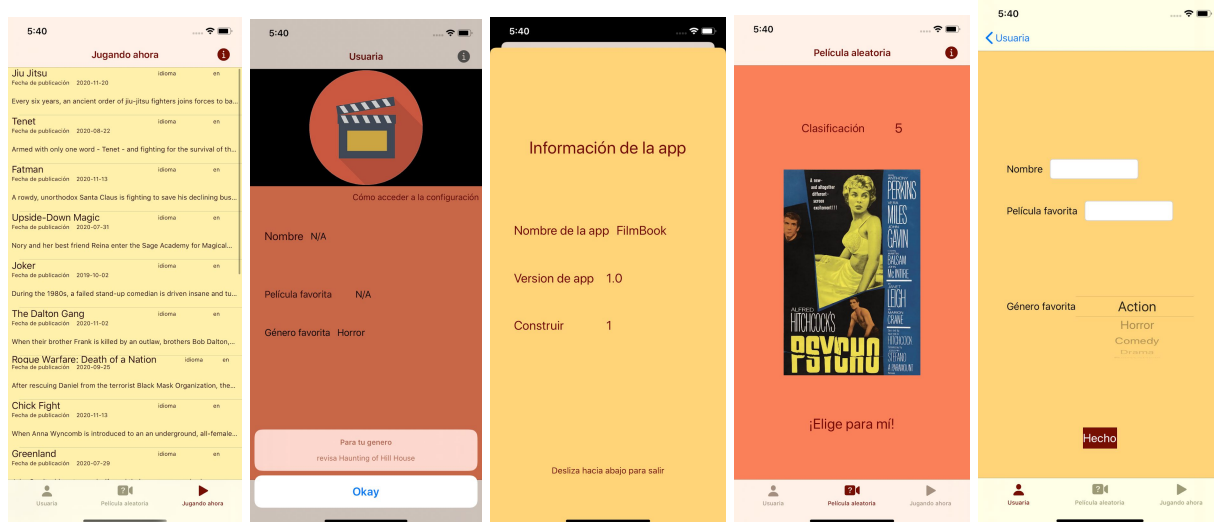
This is the perfect game for Rick and Morty enthusiasts.

FilmBook: Project 3

App icon



The film book is for movie enthusiasts. It lets users see the current movies playing in cinemas and suggests a random movie to the user. It has a user account and an information page.



Features List:

1. Localization: In English and Spanish
2. Animations: Included in RandomVC for rating number and picture 2/2
3. Transitions: Included in RandomVC for rating stack and button 2/2
4. View Controllers: 5/5
5. Table view: 1/1
6. Picker views: Included in SettingsVC as favorite genre 1/1
7. Alerts: included in UserDefaultVC and SettingsVC 2/2
8. SwipeGesture: Included in UserDefaultVC and SettingsVC - swipe left to access settings and right to go back to user profile 2/2
9. Web enabled: api used:
https://api.themoviedb.org/3/movie/popular?api_key=4e0be2c22f7268edffde97481d49064a&language=en-US&page=1
10. Custom Colors: Used two custom colors: reddish orange, yellow, and maroon
11. Codable: Used Codable for the api data

12. Notifications: 5 Notifications included in UserDefaultsVC according to genre chosen. Not all of them will show up in one run. 5/2
13. User Defaults: User UserDefaults on SettingsVC and UserDefaultsVC to save user information - name, favorite movie, favorite genre - 3/2

This is an app for movie enthusiasts. It uses the api from moviedb.org to show the current movies being played in theatres. The user has the option to make a personal profile with their user name, favourite movie, and favourite genre (as a picker) and all these information is save with user default. The app also has a i icon to show the app information. The app has a view controller that lets the user have a movie selected for them randomly that they can watch.

This is the perfect app for movie enthusiasts who need help finding things to watch.