

Oregon State University

The Star Wars API

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CS 492
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February 18th, 2019

Description

Our team will be using the Star Wars API to allow the user to search for information about specific characters including information about which characters are present in individual movies. The user will be able to share their favorite movies and characters using implicit intents, and they can choose the information that they want to see in the preferences. For example, if the user wishes to know about the films, they will set their preferences to films and that information will be displayed on the application similar to the sorting of the github app in class.

Method Explanation

The link for the API documentation can be found here: <https://swapi.co/documentation>

Planets

The planets method contains information about the planet's name, diameter in kilometers, rotation period in hours, orbital period in days, gravity, population, climate, terrain, percent of the planet that is water, residents, and films the planets are in. This method will be used to share information about planet with the user. The user will be able to search for the planet in the main activity and all of the information for that planet will be displayed. This method is one that can be filtered in the main activity search.

Films

The films method contains information about the film's title, episode number, opening text, the director, the producer, the release date, the species in the film, the starships in the film, the vehicles in the film, the characters in the film, and the planets in the film. This method will be used to share information about the films with the user. The user will be able to search for the film in the main activity and all of the information for that film will be displayed. This method is one that can be filtered in the main activity search.

People

The people method contains information about the character's name, birth year, height, homeworld and films they are in. This method will be used to share information about a specific character with the user. The user will be able to search for a specific character in the main activity and all of the information for that character will be displayed. This method is one that can be filtered in the main activity search.

UI Description

When the app is initially launched, the user will arrive onto the main activity. This main activity will be a search page. There will be access to resource activities and the profile activity.

On the main activity, there will be a “profile” button to take the user to their profile page. There will also be a search bar where the user can search for resources: characters, films, or planets. There will be a filter on the type of resource being searched. After a successful search, a list of items will be displayed. Selecting an item will bring up an activity for viewing that specific type of resource.

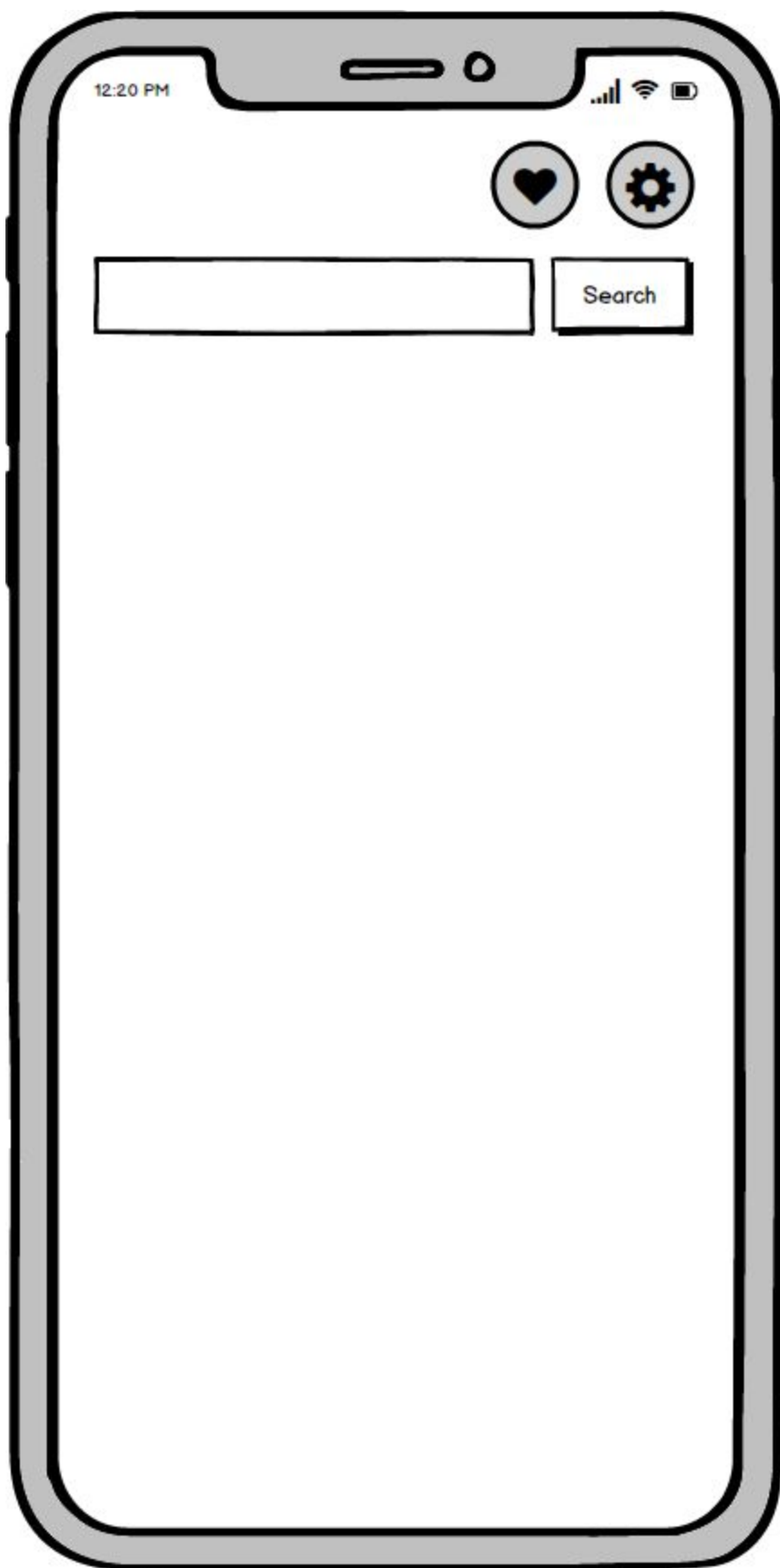
On an item activity, there will be the option to set this item as either a favored item or a favorite items (which will affects search results and sharing content). There will be neat and interesting content for the user to view in a pleasant format.

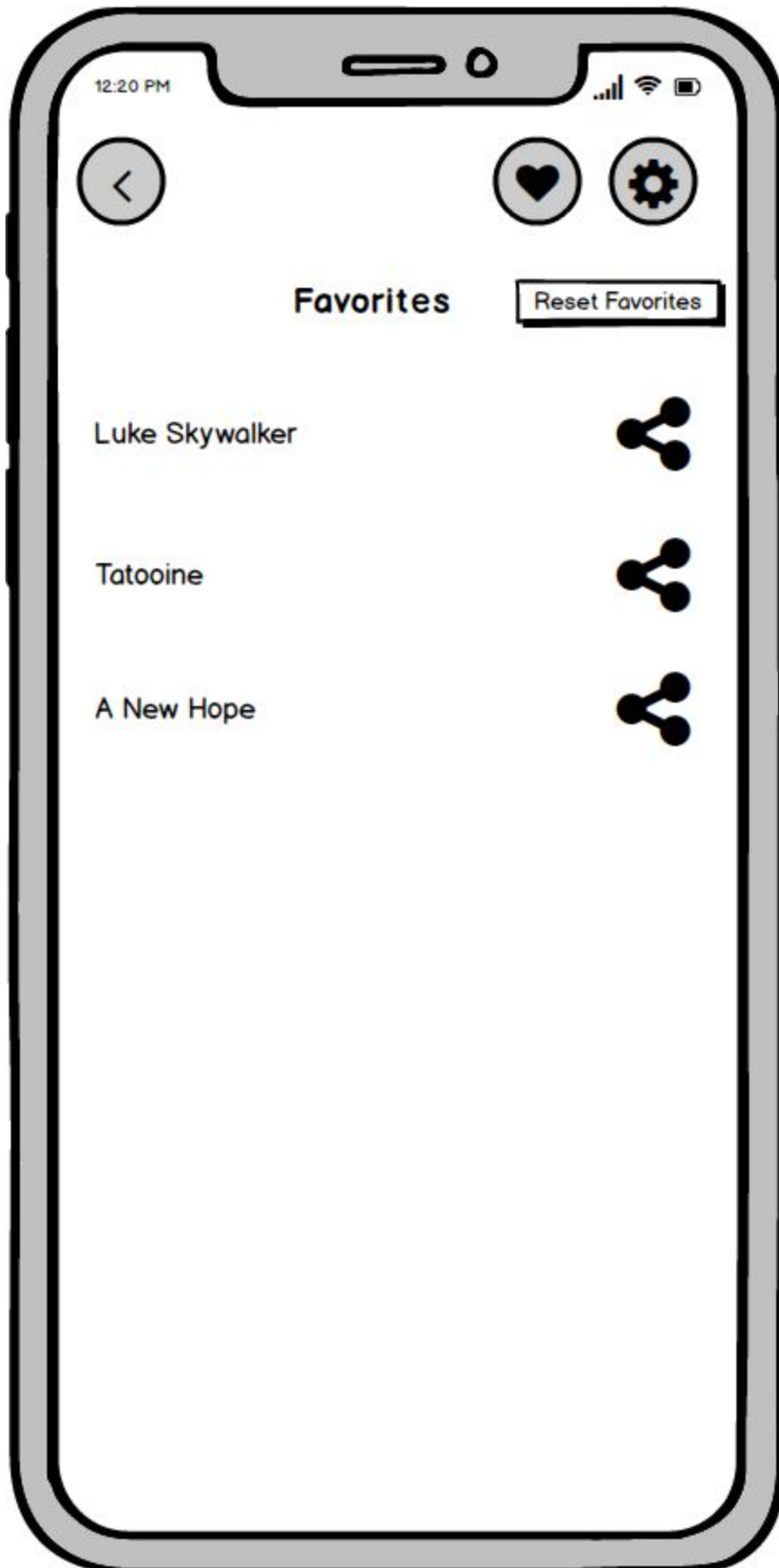
On the profile activity the user can view and reset their favored and favorite items. There will be an implied intent here that allows the user to share their favorite information on social media.

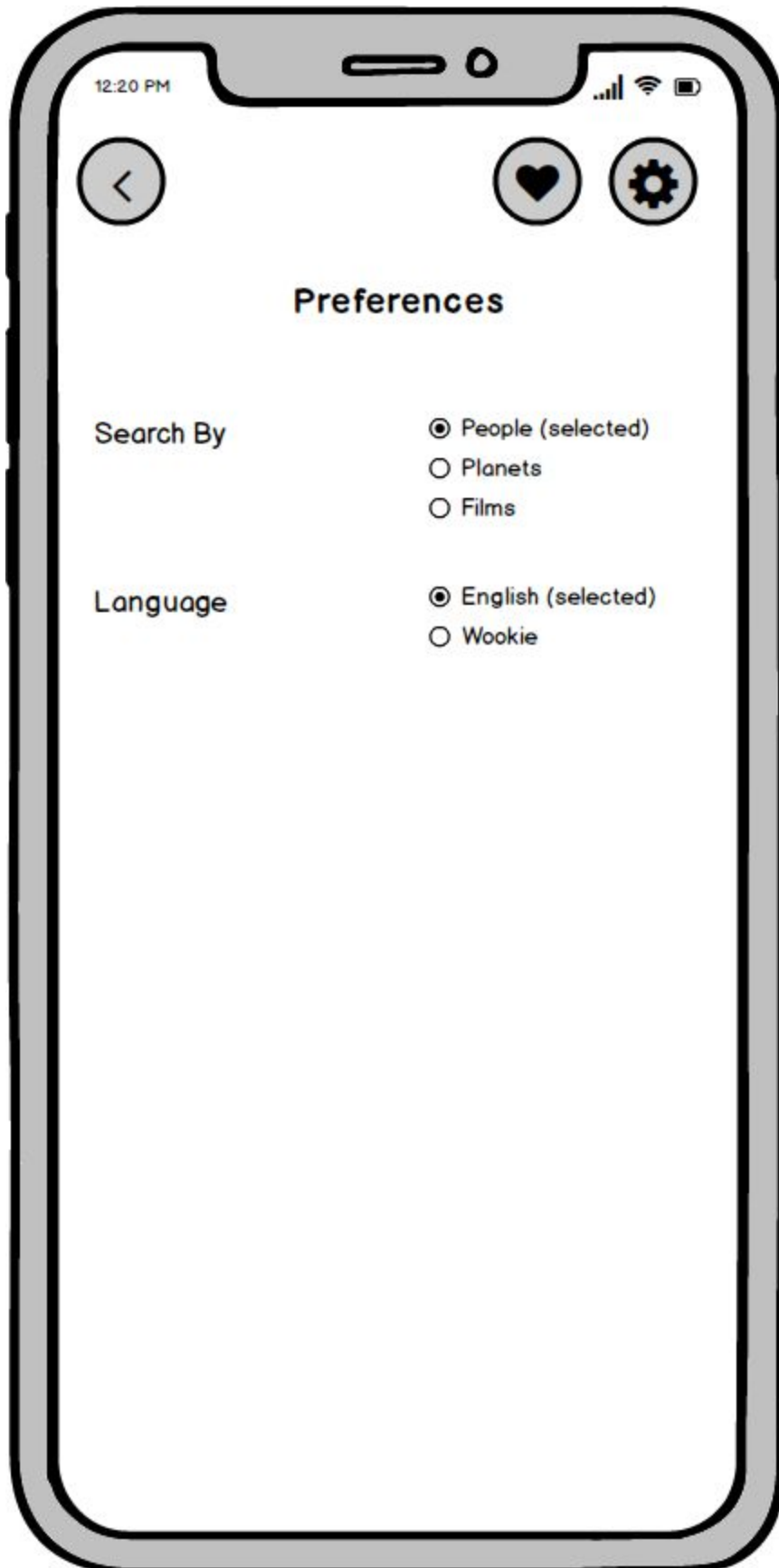
The primary language of the app will be English with Wookie as a supported alternative.

Mocks

Below are pictures of the prototype of the Star Wars API application:







12:25 PM



Luke Skywalker

Search

Birth Year: 19 BBY

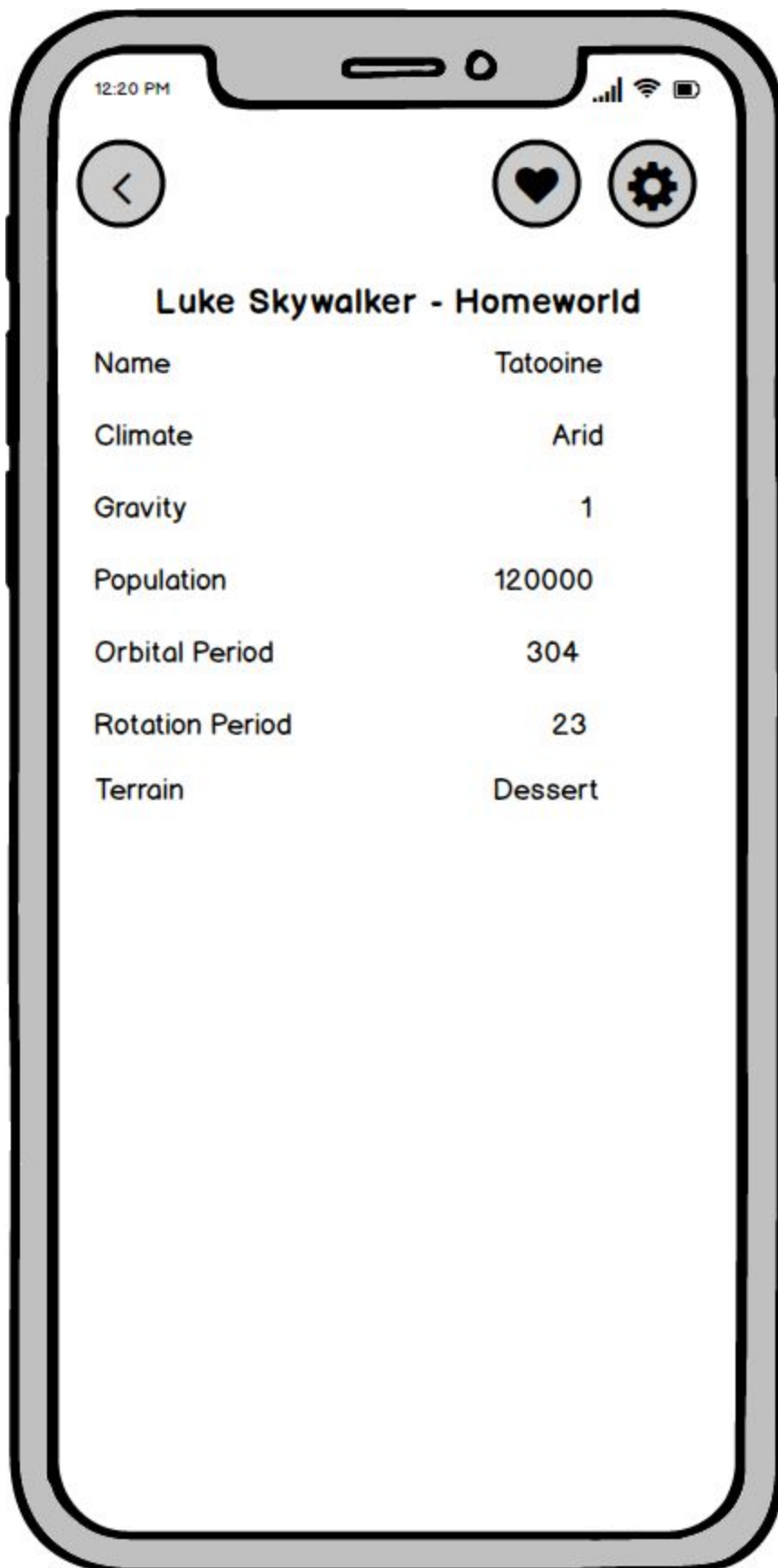
Height: 172 CM

Sex: Male

Homeworld: Tatooine



Add to Favorites



12:26 PM



A New Hope

Search

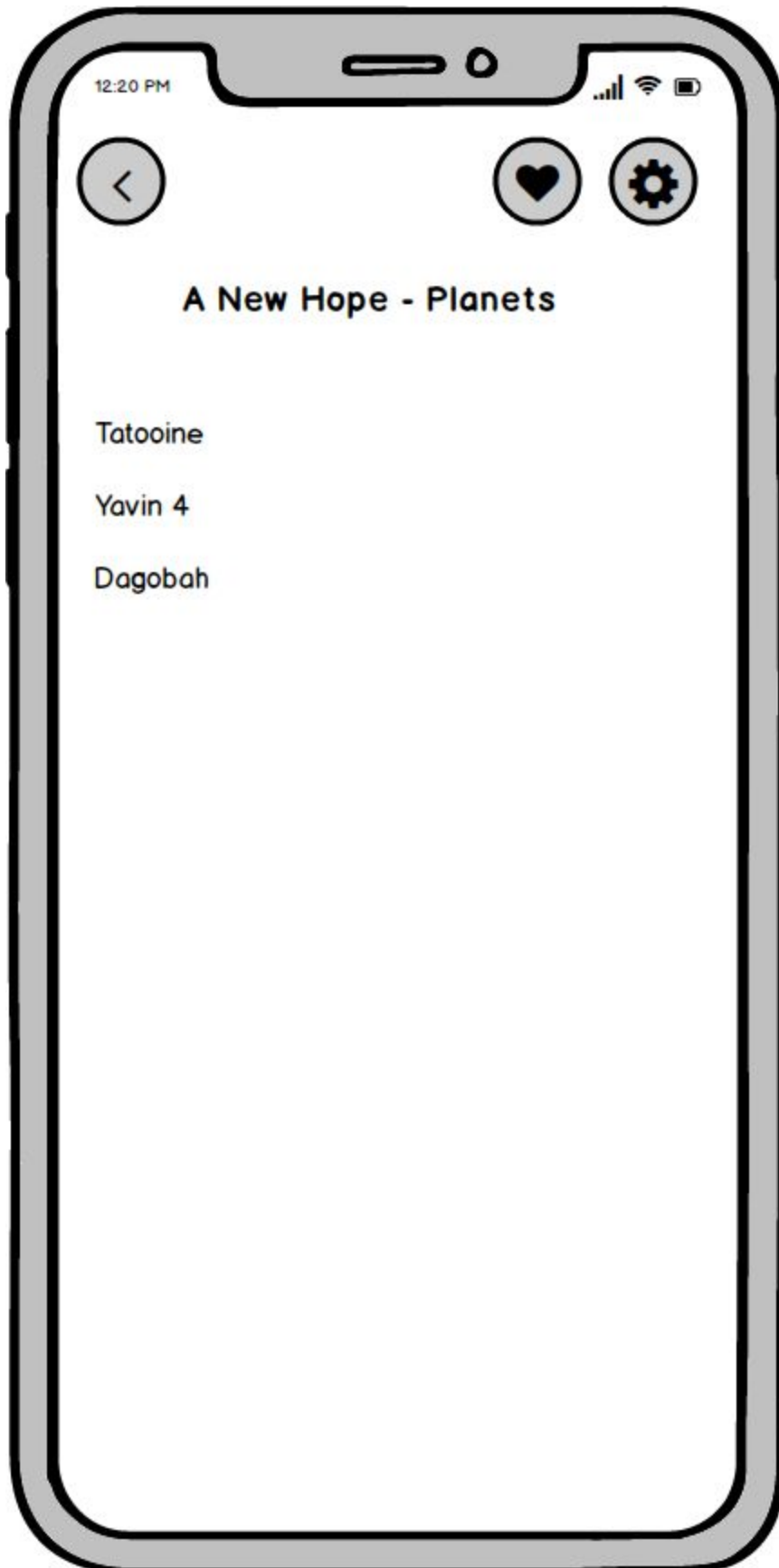
Director George Lucas

Episode Number 4

Release Date 1997-05-25

Planets >

Add to Favorites



12:25 PM



Tatooine

Search

Climate

Arid

Gravity

1

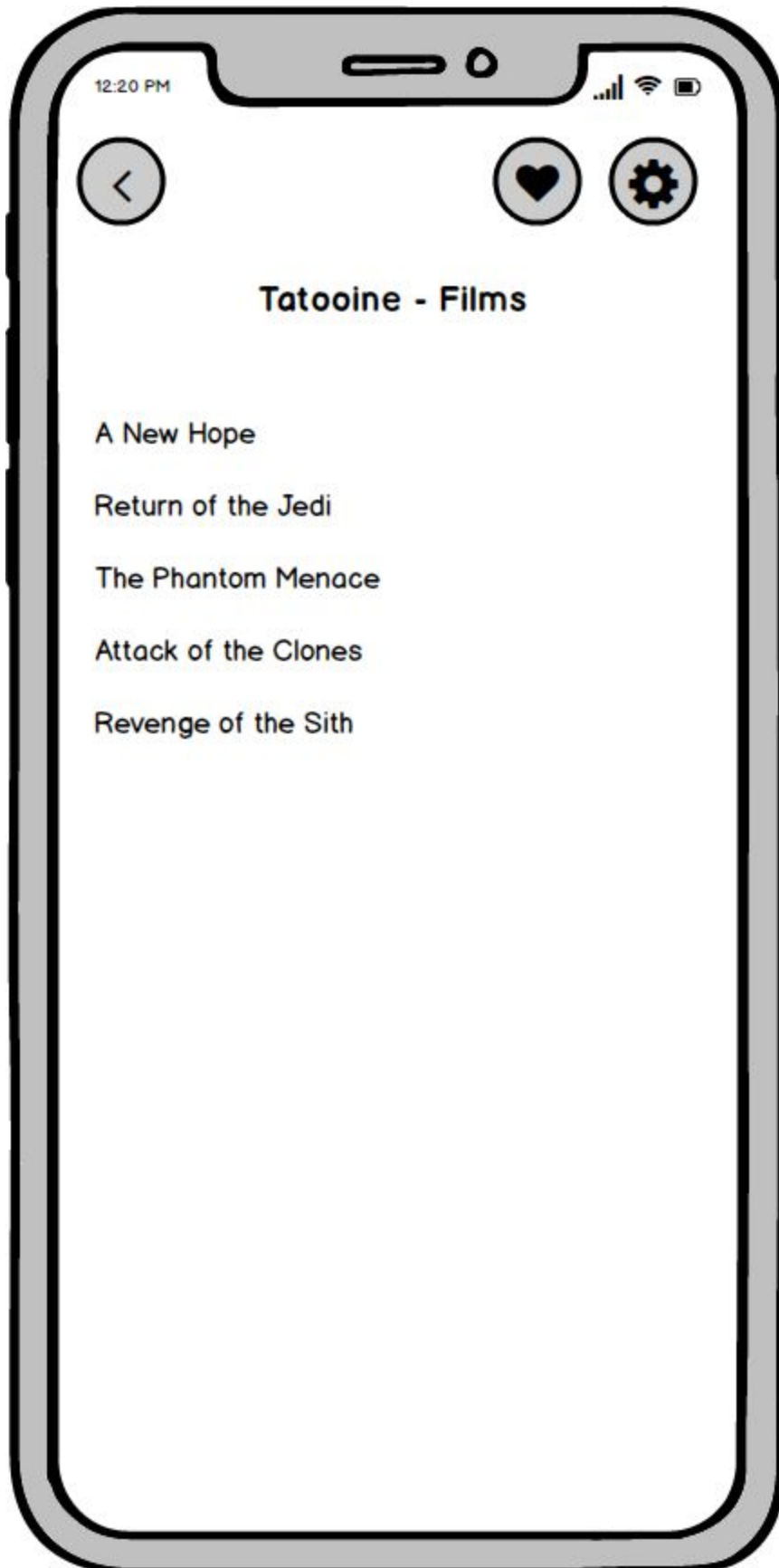
Films



Residents



Add to Favorites



12:20 PM



Tatooine - Films

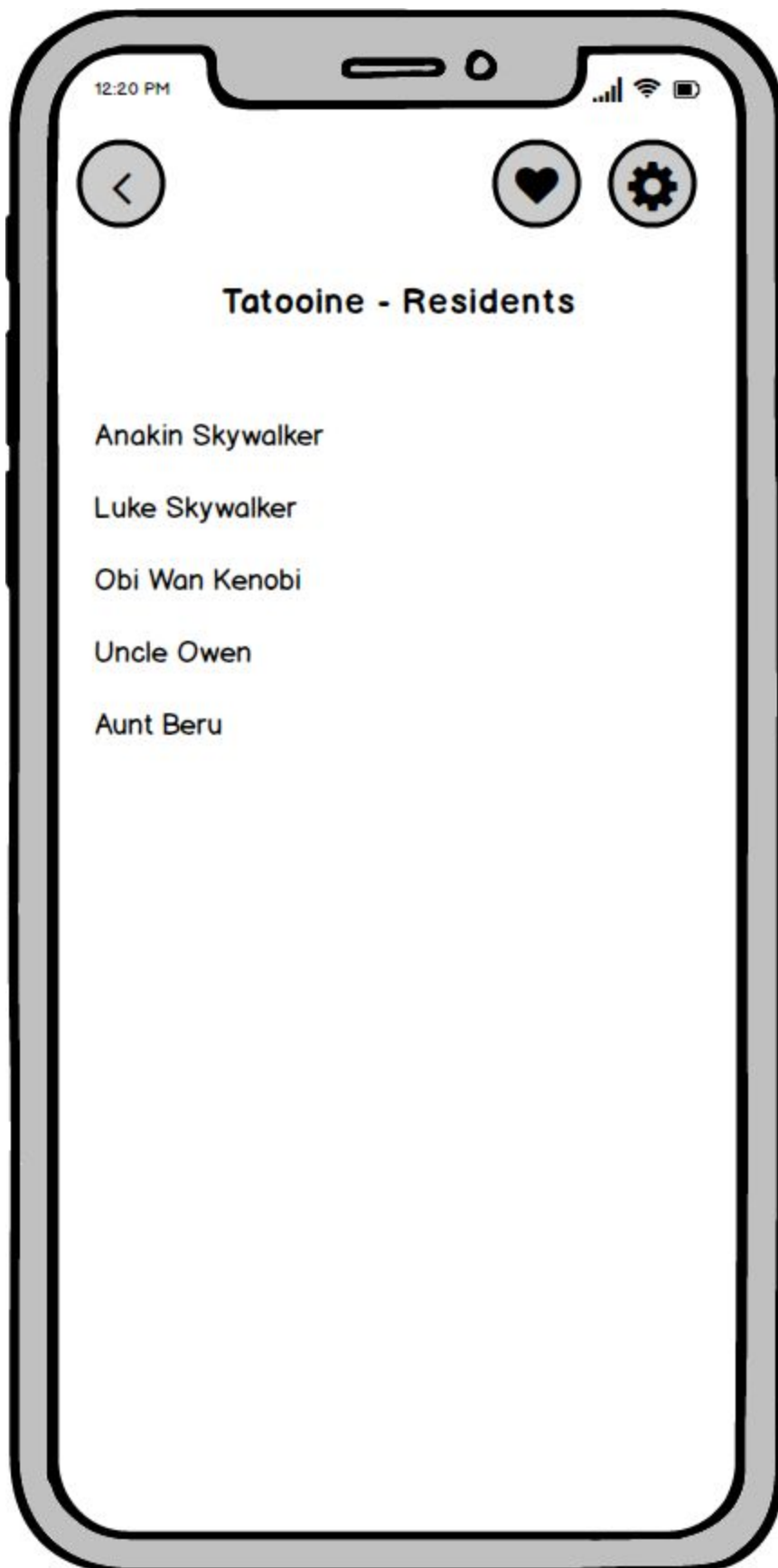
A New Hope

Return of the Jedi

The Phantom Menace

Attack of the Clones

Revenge of the Sith



12:20 PM



Tatooine - Residents

Anakin Skywalker

Luke Skywalker

Obi Wan Kenobi

Uncle Owen

Aunt Beru