Name: Show Tracker

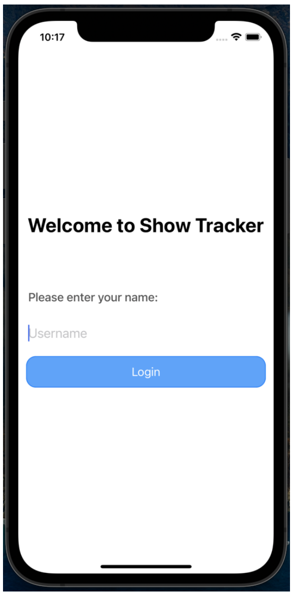
Short Description: The app allows the user to edit a list of watched shows and a list of plan-to-watch shows, as well as searching for a show on either list.

IOS repo link: https://github.com/RichardmJin/Show-Tracker

Backend repo link: https://github.com/RichardmJin/Show-Tracker-Backend

Screenshot of important features:

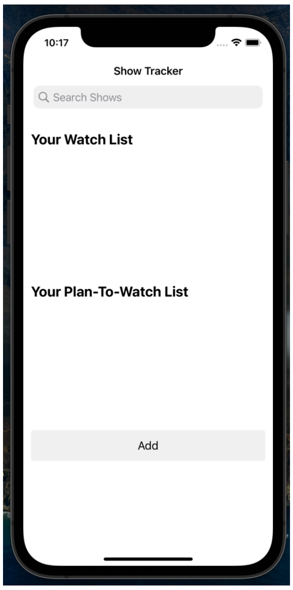
Initial User login page:



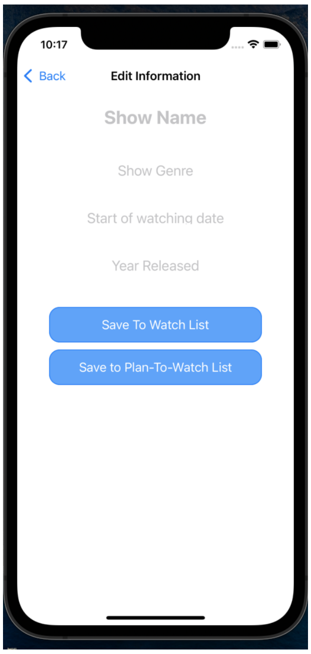
Welcome to Show Tracker

Please enter your name:

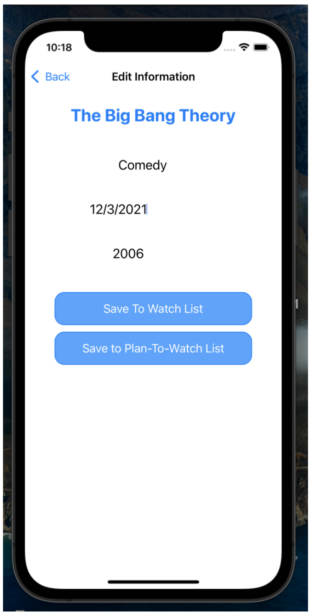
Two Empty List when a new user logs in:



The view when pressing the Add Button:



Filling information about the added show:



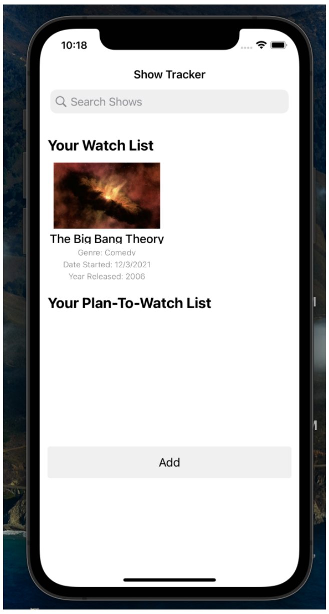
The Big Bang Theory

Comedy

12/3/2021

2006

The show is saved to watch list:

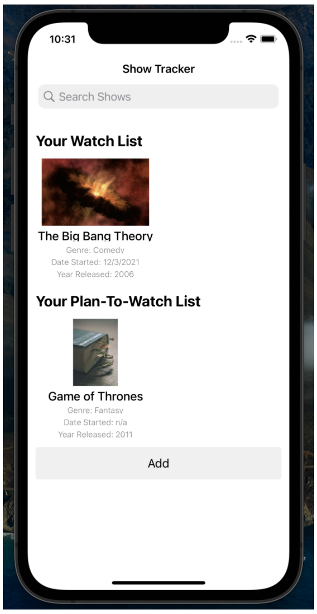


Your Watch List

The Big Bang Theory
Genre: Comedy
Date Started: 12/3/2021
Year Released: 2006

Your Plan-To-Watch List

Another show is saved to plan-to-watch list:



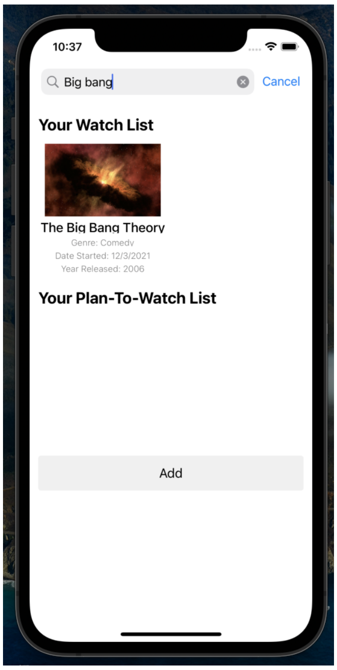
Your Watch List

The Big Bang Theory
Genre: Comedy
Date Started: 12/3/2021
Year Released: 2006

Your Plan-To-Watch List

Game of Thrones
Genre: Fantasy
Date Started: n/a
Year Released: 2011

Search bar function:

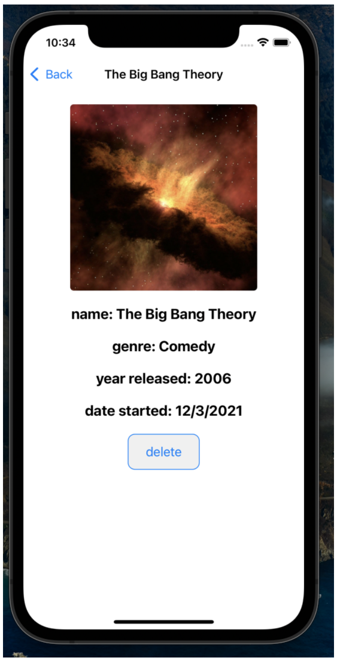


Your Watch List

The Big Bang Theory
Genre: Comedy
Date Started: 12/3/2021
Year Released: 2006

Your Plan-To-Watch List

Clicking on the show leads to another view:



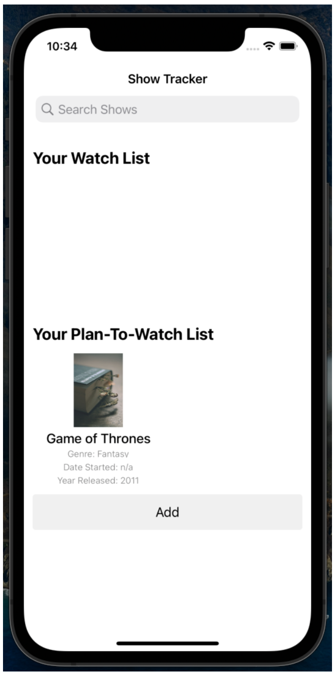
name: The Big Bang Theory

genre: Comedy

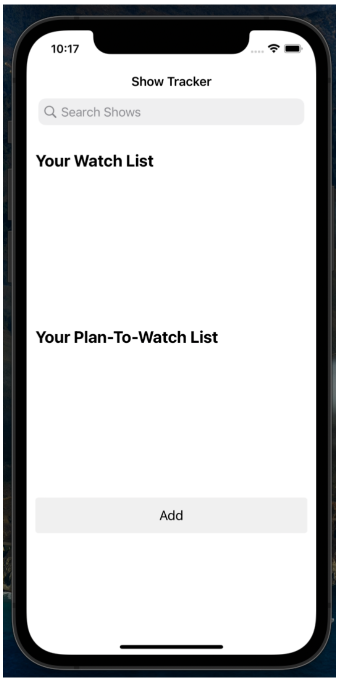
year released: 2006

date started: 12/3/2021

Pressing “delete” leads to show disappearing:



All shows on the list are deleted:



Detailed App Description:

In the frontend, we implemented a login page, in which there is a text field for the user to type down his/her username. After they confirm their username, the main view controller will be shown. In the main view controller, the app name “Show Tracker” is in the navigation bar. Below that is the search bar, which can be used to search shows based on their names. Below the header “Your Watch List” is a Collection View Cell, which lists the information about shows you have watched. Below the header “Your Plan-To-Watch List " is another Collection View Cell, which lists the information about shows you planned to watch. Every Collection View Cell is clickable. Upon one click on a cell, a Push View Controller will be pushed. In this Push View Controller, the information about the show corresponding to the clicked cell will be displayed; the information about the show includes the show name, show genre, show start date, and show released year. Click the “Delete” button to delete the show and go back to the main view controller. Click the back button in the navigation bar of this Push View Controller to pop this Push View Controller and go back to the main view controller. At the bottom of the main view controller is the “Add” button, which will push another Push View Controller upon one click. This Push View Controller contains four text fields, which are for show name, show genre, show start date, and show year, respectively. The text field for show name must be filled out with a non-empty string. The two text fields for genre and start date can be left empty. The text field for show year must be entered with an integer number. Enter information about the show into the text fields. Press the “Save” button to add the show to the collection view under “Your Watch List”. Press the “Save to Plan To Watch” button to add the show to the collection view under “Your Plan-To-Watch List”. After pressing either the “Save” button or the “Save to Plan To Watch” button, the Push View Controller will be popped. If a user exits the program, enters the program again, and types the same username he/she typed before, those shows that he/she saved before in this username will be loaded into the two Collection Views correspondingly.

How “Show Tracker” App Fulfills All IOS Requirements:

1. The main screen “viewController” uses AutoLayout with NSLayoutConstraint.
2. The shows on watch list and plan-to-watch list are displayed using UICollectionView
3. Pressing the “add” button leads to the PushViewController screen. Clicking on each show object leads to each specific showPushViewController screen, pressing the “delete” button then navigates back to the main ViewController.
4. Once a new user enters a name, the username is sent back via the backend routes to the database and a user-specific id will be generated each time. When the user logs out, the user information about the shows will be saved so that when the user logs back in with the same name, the shows from the previous session will be automatically restored and re-displayed. Once the add button is pressed, a show object is created and is stored in the API. Using the name of the show object, an appropriate image will be generated and displayed on the screen. Deleting the show using the “delete” button also deletes the show’s reference in the API.
5. In addition, a search bar is implemented to be used as a filter. An initial welcome page is also implemented.