Create a file called **ViewModel**

Create a file called **Response** (Or call it w/e you want)

Add a **UISearchBar** to your **ViewController**

UISearchBar constraints:

Left Margin to superview = 0

Right Margin to superview = 0

Top Margin to superview = 0

Add a **UITableView** to your **ViewController**

UITableView constraints:

Left margin to superview = 0

Right margin to superview = 0

Bottom margin to superview = 0

Top margin to searchbar = 0

In your **ViewMode**l file you need to do **2** things

1: create a property of String type - call it title (the value should equal to “Reddit”)

2: create a function that will fetch your list of subreddits and returns it to

your ViewController (Remember this is an asynchronous task so how you set up your function here is important)

In your **Response** file

Goal = show the user the subreddit, title, and score from the JSON response

So set up your model accordingly to map the necessary fields

Your custom **UITableViewCell** should show the data from your response in this order:

Subreddit

Title

Score

* Your UITableViewCell should be custom
* Your UITableViewCell should grow dynamically (vertically)

Embed your ViewController in a NavigationController

In your ViewController, using the title in your ViewModel, set the title of your

Navigation bar to “Reddit”

PROBLEM:

Using the UISearchBar, search any subreddit and show a list of subreddits

on your UITableView. Each UITableViewCell should show the Subreddit’s: *subreddit, title, score* (Look at Your UITableViewCell above..)

NOTES:

Review creating a custom cell

Review closure syntax

Review how to create an escaping closure

Review moving from a background thread to a main thread

Review Decodable

Use<https://jsonformatter.curiousconcept.com>

https://reddit.com/r/nfl/.json