

Reddit Search & Share

Rocksauce Sample Application Outline

Application Overview:

Design a simple iOS application that loads in Reddit posts for a set category and then enables the user to search by entering in any valid category name. Please name your project "FirstNameLastName_iOSCodeChallenge"

Technical Requirements:

- Must run on iOS 8.0+
- Must be compatible with iPhone retina resolutions (iPhone 4 – 6+)
- Portrait support only
- Write test in Objective-C

Project Overview:

Please watch this short demonstration video to get an idea of the desired result:

<http://tinyurl.com/RedditDemoRS>

You must use the following technologies:

- Posts must be loaded via JSON output from Reddit using the URL structure outlined later in this document.
- Use Auto Layout where applicable
- Posts must be displayed using a UITableView. Use provided background art
- Reddit profile images should be loaded asynchronously so that scrolling the UITableView does not lag
- Use a native UISearchBar for allowing users to search for posts under a certain Reddit category. A new search should re-poll Reddit using the included URL structure.
- A table cell's height should be dynamic based on the length of the post.
- Show the comments, ups, and downs after the post body using the provided art
- Upon app launch, load posts from the "funny" category by default, and show "funny" in the search bar by default. Use the search button art provided.
- Use a default UIActivityViewController to share posts via email
- Please avoid the use of StoryBoards
- Use ARC. Use camelCase for variable names
- Please take advantage of any third party libraries that may assist you

- Comment as needed

Reddit JSON

JSON data should be pulled from Reddit using this URL schema:

<http://www.reddit.com/r/funny/.json>

Use the “title”, “author”, “thumbnail”, “num_comments”, “ups”, and “downs” fields in the Reddit JSON. Note that it is possible for the thumbnail field to be empty.

As far as the search is concerned, allow the search to be used to find various categories on Reddit. For instance if the user searched “technology”, refresh the table with data from the following URL. (Show “funny” as the default search term).

<http://www.reddit.com/r/technology/.json>

Project Resources

- A library for reading JSON data can be found here (don’t have to use this one): <https://github.com/stig/json-framework>
- Screenshots of the main app screens are also included alongside this document.
- The custom font TTF has been included with the project files
- Art resources are also provided

Optional Feature Enhancements

- Add a pull to refresh option and loading indicators
- Make the posts animate in as shown in the demonstration video (fade from 0 alpha to 1 and slide in from right simultaneously)
- Make use of the included custom font for the Username
- Take advantage of image caching for profile pictures
- Make profile pictures show as a circle rather than square/rectangle and use the provided background art

Please return a *run-able* x-code project within 3 days. Do not spend more than 6-12 hours on this project. Along with the project, please answer the following questions:

- Was 3 days/12 hours enough time? Why or why not.
- How many hours would you estimate you spent total on the project?

- Did you encounter any struggles while completing this? How did you overcome them?
- On a scale of 1 – 10, rate the complexity of this project (1 being super easy and 10 being the hardest thing you have ever done).