

# Reddit Search & Share

## Sample Application Outline

### Application Overview:

Design a simple web 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\_WebCodeChallenge” and provide instructions on how to run your project.

### Technical Requirements:

- Must be compatible with all major browsers (IE 11+, FF, Safari, & Chrome)
- Must use HTML, CSS, JavaScript
- Must use the CSS Flexbox model for layout
- We encourage you to use SASS or PostCSS with [PreCSS](#) to write your CSS

### Project Overview:

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

<http://tinyurl.com/RedditWebDemo>

- Posts must be loaded via JSON output from Reddit using the URL structure outlined later in this document.
- Posts should be formatted as shown in the demo using the art provided
- Reddit profile images should be rounded (90px x 90px) and use a “Scale to Fill” mentality to make them look uniform (see demo)
- Create a search bar that expands when active and allows users to search for posts under a certain Reddit category. A new search should re-poll Reddit using the included URL structure and show the loading indicator meantime.
- A posts 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 load, show posts from the “funny” category by default, and show “funny” in the search bar by default.
- Clicking on a post should animate in the post and two options (see demo)
- Post should be draggable and you should be able to drop the post on either of the two options (show post on Reddit or Email link to post)
- If post is not dropped into either option it should animate back to its original position

- Post should have a 50% opacity while you are dragging it
- Use camelCase for variable names
- Comment / Modularize 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 (art is provided for this use case).

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.

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

## Project Resources

- Screenshots of the main app screens are also included alongside this document.
- The font used for this project can be found here:  
<https://fonts.google.com/specimen/Exo>
- Art resources are also provided

## Encouraged/Optional Feature Enhancements

- Make the site mobile responsive
- Replace the loading indicator with a progress bar made from scratch using an HTML5 canvas (don't copy/paste code from Google)
- Add a pull to refresh option
- Make the search work on each keystroke rather than on enter
- Use [React](#) components throughout
- Use [Redux](#) for the search state management

Please return the project within 3 days. Don't spend more than 6 - 12 hours on the 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?
- Do you have experience using SASS or PostCSS? If not did you look at it at all?  
Do you think that it's something you could learn easily?
- If you used a JavaScript library/framework, why did you choose it for this project?  
(Briefly detail for each one)
- 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).