Unit 5: Advanced JavaScript – Lab 2: Reddit

Assigned: 11/28/22

Due: 12/05/22

Completed: TBD

LMS: <https://lms.grandcircus.co/mod/assign/view.php?id=22776>

Google Doc: <https://docs.google.com/document/d/11KjVziE1srJbbGf3WEoCVBfvqQ7XZBJnhd_6MEOPsJs/preview>

GitHub:

**In Class:** [Reddit](https://docs.google.com/document/d/11KjVziE1srJbbGf3WEoCVBfvqQ7XZBJnhd_6MEOPsJs/preview) (due next Monday)

**Task:** Create a webpage that displays the posts from the AWW Subreddit.

**Build Specifications**

1. Use JavaScript to request data from the <https://www.reddit.com/r/aww/.json> API.
2. Display the results on the page.
3. At a minimum, include a title, an image and a working link for each post. (Easiest is to use the thumbnail for the image, but there are other images in the JSON response.)
4. Make it look good with some CSS.

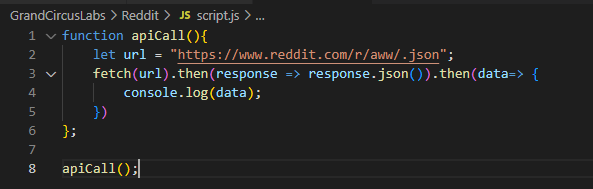
**Extended Challenges:**

1. Only show the first ten results.
2. Provide an input and button where the user can enter the name of a subreddit to display instead of always aww.

**Tests:**

1. Displays multiple aww results, each including at least the title.
2. Each post includes an image (if it has one).
3. Each post includes a link to the post on the reddit website.
4. At least 20 lines of CSS applied to spruce up the page.

We started out with this to get our data, but then made changes to get more detailed.



Text

Description automatically generated

**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <link rel="stylesheet" href="./reddit.css">

</head>

<body>

    <div class="bodyTitle"><ion-icon name="logo-reddit"></ion-icon>r/aww</div>

    <br>

    <form id="form">

        <input type="text" name="subReddit" placeholder="choose another subReddit">

        <button class="subredditSelector">Submit</button>

    </form>

    <div id="redditPost"></div>

    <script src="./reddit.js"></script>

    <script type="module" src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></script>

    <script nomodule src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script>

</body>

</html>

**CSS**

\* {

    box-sizing: border-box;

}

.bodyTitle {

    height: 60px;

    width: 210px;

    border: 1px solid black;

    font-size: 40px;

    display: flex;

    align-items: center;

    justify-content: space-around;

    margin: 0px 5px;

    background-color: #FF4500;

    color: WHITE;

}

#redditPost {

    font-size: 40px;

    display: flex;

    flex-direction: column;

    justify-content: space-around;

    color: WHITE;

}

ion-icon {

    height: 55px;

    width: 55px;

}

form {

    display: flex;

    flex-direction: column;

    width: 210px;

    margin: 0px 5px;

    font-size: 15px;

    margin-top: -15px;

}

input {

    font-size: 15px;

    margin: 5px 0px;

}

button {

    font-size: 15px;

}

h3 {

    width: 200px;

    border: 1px solid black;

    margin: 20px 5px 5px;

    text-align: center;

    font-size: 15px;

    padding: 5px;

    background: linear-gradient(#efefef, #9198e5);

    color: #000;

}

img {

    width: 205px;

    height: auto;

    margin: 2px 5px 5px;

    border: 1px solid black;

    box-shadow: 2px 2px 5px #FF4500;

}

a {

    text-decoration: none;

    color: #ff4500;

    margin-top: 5px;

    margin-left: 5px;

    font-size: 15px;

}

**JavaScript**

function apiCall(subreddit){

    // const form = document.getElementById(form);

    // const formData = new FormData(form);

    // formData.get(subReddit);

    let url = `https://www.reddit.com/r/${subreddit}/.json`;

    fetch(url).then(response => response.json()).then(redditData=> {

        console.log(redditData);

        for(let i = 0; i < 10; i++){

        const post = redditData.data.children[i].data

        const subRedditName = document.getElementsByClassName('bodyTitle');

        subRedditName.innerText = `r/${subreddit}`;

        const redditPost = document.getElementById('redditPost');

        const title = document.createElement('h3');

        title.innerText = post.title;

        // document.body.appendChild(title);

        const img = document.createElement('img');

        img.src = post.thumbnail;

        // document.body.appendChild(img);

        const url = document.createElement('a');

        url.innerText = post.url;

        url.href = post.url;

        // document.body.appendChild(url);

        redditPost.append(title, img, url);

    }})

};

apiCall("aww");

// Since we were using "redditData.data.children[0].data.XXXXXXXX;" in a lot of places, then we can turn this into a variable (constant)

// const post = redditData.data.children[0].data.XXXXX and fill in the last part with what we need.

// Originally we were just fetching the data for index [0] and commented out the for loop.

// If we want all the data on the page, then we uncomment the for loop and use index [i]

* I did the Extended Challenge where it only shows 10 items by changing the for…let with the conditional only being “I < 10”
* I partially did the second Extended Challenge by using string literal to accept the function’s parameter as the URL for the specific subreddit the user wants. So when the function is called it takes that input and uses it in the formula. I need to build it out further to build that functionality.