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.

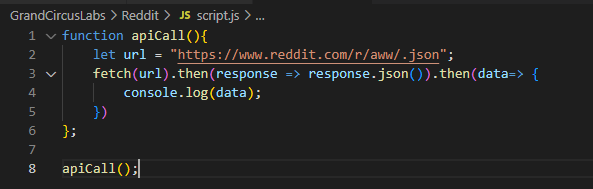
**Extended Challenges:**

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="bodyHead">

        <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>

    <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;

    background: #010615;

    margin: 0px;

    padding: 0px;

}

.bodyHead {

    margin: 0px 0px 10px 0px;

    display: flex;

    flex-direction: column;

    justify-content: center;

    align-items: center;

    width: 100vw - 20px;

}

.bodyTitle {

    height: 60px;

    width: 100%;

    border: 1px solid black;

    font-size: 40px;

    display: flex;

    align-items: center;

    justify-content: center;

    margin: 0px 5px;

    background-color: #FF4500;

    color: WHITE;

    overflow: hidden;

}

#redditPost {

    display: inline-grid;

    grid-template-columns: auto;

    gap: .75rem;

    color: WHITE;

    position: relative;

    margin: 0px 7px;

}

@media only screen and (min-width: 550px) {

    #redditPost {

        grid-template-columns: auto auto;

    }

}

@media only screen and (min-width: 780px) {

    #redditPost {

        grid-template-columns: auto auto auto;

    }

}

@media only screen and (min-width: 1050px) {

    #redditPost {

        grid-template-columns: auto auto auto auto;

    }

}

@media only screen and (min-width: 1250px) {

    #redditPost {

        grid-template-columns: auto auto auto auto auto;

    }

}

ion-icon {

    height: 50px;

    width: 65px;

    padding: 20px;

    background-color: #FF4500;

}

form {

    display: flex;

    flex-direction: column;

    width: 210px;

    margin: 0px 5px;

    font-size: 15px;

    margin-top: -15px;

}

input {

    font-size: 15px;

    margin: 5px 0px;

    cursor: pointer;

    background: #fff;

}

button {

    font-size: 15px;

    cursor: pointer;

    background: #fff;

}

.redditCard {

    display: flex;

    flex-wrap: wrap;

    flex-direction: column;

    border: 1px solid black;

    justify-content: center;

    align-items: center;

    background: #fff;

    width: 230px;

    box-shadow: 0 0 5px 2px #FF4500;

}

h3 {

    width: 210px;

    height: 70px;

    border: 1px solid black;

    text-align: center;

    font-size: 15px;

    background: linear-gradient(#f3f1f1, #7680e6);

    color: #000;

    display: flex;

    justify-content: center;

    align-items: center;

    margin: 5px 0px;

}

img {

    width: 210px;

    height: 210px;

    object-fit: contain;

    border: 1px solid black;

}

a {

    text-decoration: none;

    color: #ff4500;

    margin: 10px 0px;

    font-size: 15px;

    background: #fff;

}

a:hover {

    color: #000;

    font-weight: 800;

}

**JavaScript**

function apiCall(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}`;

        // Get the existing DIV from my HTML

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

        // Each time you iterate through, create a new DIV

        const card = document.createElement('div');

        card.classList.add("redditCard");

        // Add (append) a new "card" DIV within the existing redditPost DIV

        redditPost.append(card);

        // Get the "title" info from JSON and put that inside a new H3 element

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

        title.innerText = post.title;

        // Get the "thumbnail image" info from JSON and put that inside a new Image element

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

        img.src = post.thumbnail;

        // Get the "URL" info from JSON and put that inside a new A tag element

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

        url.innerText = post.url;

        url.href = post.url;

        // Add (append) the title, img, and url to the newly created card

        card.append(title, img, url);

        // Repeat this process each time you iterate through the loop.

    }})

};

apiCall("aww");

* 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.