

My Project: **https://ns-zwbaycgteo.now.sh**

1. Load a page from your server and display something



EntertainMe is an application that pulls from the TasteKid API to help you find books, music, games, and more that match your current entertainment interests.

I used HTML, CSS, and JS to create this project. This is an example of loading the description page from my server and displaying something.

2. Button on the first page makes an XML-HTTP Request to parse JSON data and display it to the client.

[Click For More Details](#)

Here are all of the types of things you can search for with EntertainMe

- Music
- Movies
- Shows
- Books
- Authors
- Games

3. Makes AJAX requests to the TasteKid API: <https://www.tastekid.com/read/api>

This form makes the request:

Input genre, then type a specific example to find similar matches!

Please Choose... 

EntertainMe

```
<div id="form">
<h1 id="response"></h1>
<form id="f1">
    <p id="inputArea">Input genre, then type a specific example to find similar matches!</p>
    <select id="kindInput" required name="loc" form="f1">
        <option value="">Please Choose...</option>
        <option value="music">Music</option>
        <option value="movie">Movie</option>
        <option value="show">Show</option>
        <option value="book">Book</option>
        <option value="author">Author</option>
        <option value="game">Game</option>
    </select>
    <br><br>
    <input id="artistInput" type="text" name="loc" value="" /><br><br>
    <input type="submit" value="EntertainMe"/>
</form>
</div>
<div id="similarArtistResults"></div>
```

This is the screen update:

Searching for similarities toThe Cat In The Hat.

Input genre, then type a specific example to find similar matches!

Book 

EntertainMe

♡ Dr. Seuss' The Cat In The Hat

♡ Hop On Pop

♡ Curious George

♡ Fox In Socks

♡ If You Give A Mouse A Cookie

♡ The Tale Of Peter Rabbit

♡ Green Eggs And Ham

♡ The Cat In The Hat

```

function getMusic() {
    var artist = $("#artistInput").val();
    var kind = $("#kindInput").val();
    var query = kind.concat(":"), concat(artist);
    $("#response").html("<h1>" + "Searching for similarities to" + artist + "</h1>");
    $("#artistInput").val("");
    try {
        //calls the api with ajax and queries for artists similar to the input
        $.ajax({
            url: "https://www.tastekid.com/api/similar",
            data: {
                k : "241109-APIPract-SNR2JRLW",
                callback: "displayMusic",
                q : query,
                info: 1,
            },
            jsonp: false, // don't have jQuery choose callback name
            dataType: "jsonp", // treat the request as JSONP
            crossDomain: true
        });
        return false;
    } catch (e) {console.log(e.description);}
}

function displayMusic(response) {
    var resultsInfo = new Array();
    var similarMusic = response.Similar.Results;
    $("#similarArtistResults").html("");
    //displays a list of names of 20 similar artists
    for (var i = 0; i < similarMusic.length; i++) {
        var info = [similarMusic[i].Name, similarMusic[i].wTeaser, similarMusic[i].yUrl];
        resultsInfo[i] = info;
        $(<div/>,{id: "heart".concat(i.toString()), class: "faEmptyHeart"}).appendTo('#similarArtistResults');
        $(<div/>,{id: i, class: "highlightHover", text: resultsInfo[i][0]}).appendTo('#similarArtistResults');
        $(<div/>,{id: "toggle".concat(i.toString()), class: "hide applebox", text: resultsInfo[i][1]}).appendTo('#similarArtistResults');
        $('#'.concat(i)).after('<br />');
    }
    // unless there aren't any and then it gives an error message
    if (similarMusic.length == 0) {
        $("#similarArtistResults").append("I'm sorry that artist isn't in our system. Perhaps fix your spelling or try someone else.");
    }
}

```

4. The user has many points of interaction. The three main GUI interactions are:

a. Submitting the form to get the API data (as shown above)

b. Choosing which results are their favorites

♥ Dr. Seuss' The Cat In The Hat
 ♥ Hop On Pop
 ♥ Curious George
 ♥ Fox In Socks
 ♥ If You Give A Mouse A Cookie
 ♥ The Tale Of Peter Rabbit
 ♥ Green Eggs And Ham
 ♥ How The Grinch Stole Christmas!

These are your favorites: Dr. Seuss' The Cat In The Hat,Curious George

c. Clicking on the names of the results to see more information and scroll through the results.

The Tale Of Peter Rabbit

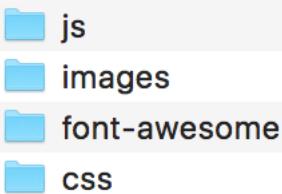
The Tale of Peter Rabbit is a British children's book written and illustrated by Beatrix Potter that follows mischievous and disobedient young Peter Rabbit as he is chased about the garden of Mr.

5. I used many instances of jQuery some of these are: .html(), .val(), .appendTo(), .append(), .prepend(), .toggleClass, .removeClass(), .addClass(), .after()

```
else {
    $(isFav).addClass("faEmptyHeart");
    $(isFav).removeClass("faFullHeart");
}
$("#f1").submit(getMusic);
$("#favorites").html( "These are your favorites: " );
$("#favorites").prepend("<br>");
ifSaved = localStorage.getItem('f1')
```

6. I separated my files into folders for JS, CSS, Images, etc.

Folders



7. I included comments in my javascript where necessary to help explain my code. I also tried to self-document by using good variable names.

```
// unless there aren't any and then it gives an error message
if (similarMusic.Length == 0) {
    $("#similarArtistResults").append("I'm sorry that artist isn't in our database");
}

// loops through to tell if user clicks on result
for (let j= 0; j < similarMusic.length; j++) {
    var tag = document.getElementById(j);
    tag.onclick = function(){
        extraInfo = "#".concat("toggle".concat(j.toString()));
        // toggles between visible and hidden
        $(extraInfo).toggleClass("hide");
    }
}
```

BONUS: I spent a great deal amount of time researching CSS and JQuery to make this a nice application. I included some font-awesome icons and used some Bootstrap templates. I even learned how to use local storage so that the favorites clicked could be permanently stored. I think my application demonstrates both useful creativity and good design.

NOTE: Depending on which browser and how local storage is set up the favorites page may not work as expected. This may vary from device to device and this didn't seem like a big enough project or problem to worry about it.