

Joel McWeeney Report

by Joel McWeeney

FILE	14253_JOEL_MCWEENEY_JOEL_MCWEENEY_REPORT_228704_824452396.D OCX (119.77K)		
TIME SUBMITTED	21-MAY-2021 10:48PM (UTC+0100)	WORD COUNT	461
SUBMISSION ID	154379101	CHARACTER COUNT	1988

Introduction

Navigation Menu

```
<div data-role="page" id="index">
  <ul data-role="listview">
    <li><a href="index.html" data-ajax="false">Page1</a></li>
    <li><a href="Page2.html" data-ajax="false">Page2</a></li>
    <li><a href="Page3.html" data-ajax="false">Page3</a></li>
  </ul>
```

The first step in creating a navigation menu was to create a list that was linked to each page. I have had to turn the data-ajax off for now in order for the links to function.

After the links had been set up correctly the next step was to have them placed into a panel in order to be able to be overlayed onto the main page as is the convention with most menus on mobile sites. I have chosen to have the panel overlayed rather than revealed or pushed as it disrupts the user experience the least out of all three available options.

```
<div data-role="panel" id="menu_panel" data-display="overlay" >
  <ul data-role="listview">
    <li><a href="index.html" data-ajax="false">Page1</a></li>
    <li><a href="Page2.html" data-ajax="false">Page2</a></li>
    <li><a href="Page3.html" data-ajax="false">Page3</a></li>
  </ul>
</div><!-- /panel -->
```

Now that the panel has been created, what follows is creating a

```
<div id="custom-border-radius" style='margin-left: 20px; position: relative;'>
  <a href="#menu_panel" class="ui-btn ui-icon-bars ui-btn-icon-notext ui-corner-all"></a>
</div>
```

button that opens the panel. I chose the bar icon as it is the most familiar one for mobile menus and is thus instantly recognisable. I've also added some padding in order to keep it away from the page's edge and make it look nicer. [1]

Searchable Card List

```
<ul data-role="listview" data-inset="true" data-filter="true" data-filter-placeholder="Search cards..." >
  <li><a href="#">
    
    <h2>Nautical Nonsense - Anchovies Swarm</h2></a>
  </li>
```

In order to have a way of searching for a particular card, I've added a simple search filter to a list of my cards. Next, I need to create a way to show more detail about each of my cards on the list. For this I had two options, I could either have the list link to individual pages or I could have each element of the list drop down a panel to display the card's details, I decided to go with the drop-down option as it reduces the number of individual pages that I will have to deal with while at the same time providing a more seamless experience for the end user.

In order to implement this, I needed to define each item in the list as its own collapsible element and remove the links.

Now that I had the template for adding a card to the list I simply needed to add all of the images to the list.

```
<div data-role="collapsible">
  
  <h2>Nautical Nonsense - Anchovies Swarm</h2></a>
</div>

<div data-role="collapsible">
  
  <h2>Nautical Nonsense - Chum Bucket</h2></a>
</div>
```

Component 3 - API

The next element to add was an API, and as I was unable to find one that I could use that was relevant with the topic of my website, I have elected to add a weather API. The first step to make the API work was to create the container for the various trackers along with an input for searching for a location.

```
<!--Data Container -->
<div class="ui-body ui-body-a">
  <div id="location"></div>
  <div id="condition"></div>
  <div id="symbol"></div>
  <div id="tempsC"></div>
  <div id="Wind"></div>
```

Once I had that done, I needed to create the script to make the API work correctly, for this I added in a check to make sure that a value had been given and then return the closest location to that value, and the data about that location's weather. [2]

```
if($('#locationInput').val().length > 0){
  searchLocation = $('#locationInput').val();
  $.getJSON( 'http://api.weatherapi.com/v1/current.json?key=' + APIKEY + '&q=' + searchLocation, function( data ) {
    console.log(data)
    $('<p><strong>Location:</strong> ' + data.location.name + '</p>').appendTo('#location');
    $('<p><strong>Conditions:</strong> ' + data.current.condition.text + '</p>').appendTo('#condition');
    $('<img>').attr( "src", data.current.condition.icon ).appendTo( "#symbol" );
    $('<p><strong>Temperature (c):</strong> ' + data.current.temp_c + '</p>').appendTo('#tempsC');
    $('<p><strong>Wind Speed (mph):</strong> ' + data.current.wind_mph + '</p>').appendTo('#Wind');
    $('<p><i>Updated ' + data.current.last_updated + '</i></p>').appendTo('#time');
```

Conclusion

References

[1] <https://stackoverflow.com/questions/9450153/how-to-add-padding-to-elements-in-jquery-mobile>

[2] <https://www.weatherapi.com>

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Bibliography

Joel McWeeney Report

GRADEMARK REPORT

FINAL GRADE

GENERAL COMMENTS

Instructor

48/100

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GRADING FORM: ASSIGNMENT2

JOEL MCWEENEY

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COGNITIVE/INTELLECTUAL

Analysis of the technical development of the application (eg how does your Javascript interact with the JSON file?) Why did you take the approach you did?



The evidence presented in the report is very limited and largely descriptive work, with superficial use of critical evaluation and analysis of concepts and principles. The student has provided extremely limited evidence explaining how the JavaScript interacts with the JSON files or why they

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choose the approach they took. Overall the report is incomplete and doesn't provide sufficient detail to achieve a pass for this element of the assignment.

KNOWLEDGE AND UNDERSTANDING

Annotated code listing (a code listing of relevant sections clearly commented is sufficient)



The code shows a limited knowledge and critical understanding of the well-established concepts and principles of web and mobile technologies, with a few gaps in the selection of material. The lack of comments make the code difficult to follow.

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PRACTICAL SKILLS



The website contains the following requirements of the assignment: Created a 3 page site with navigation. The site demonstrates a number of mobile features including data input validation. Implemented a customised style. Made an AJAX call to a public JSON API, however there is no evidence of a AJAX call to a local JSON file The site is readable, with some navigation and layout appropriate to the site. The practical work is mainly consistent, accurate and logical. The look and feel of the website shows a good level of knowledge and understanding. Overall, the student has used good and appropriate applications of established methods and techniques for developing a mobile website.

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