

NM2207 Week 9 Submission: Concepts Utilized in my Final Project

Week	Concept	How I've used it	Line Number	Filename
2	CSS style properties HTML/tags	I've linked a CSS style sheet to the HTML document. it codes for the layout of the page, and makes the pop-out navigation tab, and the top navigation bar possible.	<pre> 1 <!DOCTYPE html> 2 <html> 3 <head> 4 5 <link rel="stylesheet" type="text/css" href="css/appstyle.css"> 6 <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="sty 7 </pre>	appstyle.css
3	Create and use functions	Use of a simple function that is executed when the button is clicked. This changes the text that is displayed to highlight another fact.	<p>HTML:</p> <pre> 48 Let's start with something simple: What is your gender?
 49 <button class="buttonSurvey" onclick="GenderRatio1()">Male</button> </pre> <p>Script:</p> <pre> 77 function GenderRatio1() { 78 document.getElementById("ratioFact").innerHTML = "According to Lafan (2020), 79 }; </pre>	dataStory.html main.js

3 + 4	<p><u>Week 3:</u> Using if-else statements and basic comparisons</p> <p>Creating functions</p> <p><u>Week 4:</u> Assigning id to HTML elements and manipulating assigned elements.</p> <p>Using alert(...)</p>	<p>Created a function that allows me to do a simple change of the page's theme (logo, background colour). This is done by having a theme associated with each count and having the function cycle through themes utilizing the counts.</p> <p>Eventually, I will add more themes and more changes per theme.</p>	<pre> 22 function themeChanger() { 23 counter++; 24 if (counter === 1) { 25 alert("Changed theme!"); 26 document.getElementById("themeLogo").src="resources/twiceLogo.svg.png"; 27 document.getElementById("themePicture").src="resources/twice-background.jpg"; 28 document.body.style.backgroundColor = "rgb(249, 197, 150)"; 29 navbarColor = document.getElementById("topNavBar"); 30 } else { 31 counter = counter-2; 32 alert("Changed theme!"); 33 document.getElementById("themeLogo").src="resources/BlackpinkLogo.svg.png"; 34 document.getElementById("themePicture").src="resources/blackpink-background. 35 document.body.style.backgroundColor = "palevioletred"; 36 } 37 } 28 </pre>	main.js
5	<p>Event listening using global variables</p>	<p>Event listener that allows the popout navigation tab to work.</p> <p>When the button is clicked, it will execute the function that adds/removes the CSS code that hides the</p>	<pre> 6 navButton.addEventListener("click", () => { 7 navMenu.classList.add("nav-open"); 8 navOverlay.classList.add("nav-overlay-open"); 9 }); 10 11 navOverlay.addEventListener("click", () => { 12 navMenu.classList.remove("nav-open"); 13 navOverlay.classList.remove("nav-overlay-open"); 14 }); 15 </pre>	main.js

		<p>navigation tab by translation.</p> <p>(2nd picture) → the function under “Week 3+ 4) also utilizes Event Listening.</p>	<pre> 16 // trying out theme changer 17 let counter = 0; 18 document.addEventListener("DOMContentLoaded", function () { 19 document.querySelector("themeLogo").onclick = themeChanger; 20 }); </pre>		
6	For loops	<p>I created an array, and a for loop to help print all the items inside, on click.</p> <p>I will be refining the function to allow me to print the “top groups” for all the countries after this week (right now, only the “Korea” button works).</p>	<pre> 115 const KoreaTop = ["BTS", "Apink", "Girl's Generation", "EXO", "GOT7"]; 116 function printTopGroups () { 117 let text = ""; 118 var i = 0; 119 for (i = 0; i < KoreaTop.length; i++) { 120 text += KoreaTop[i] + "
"; 121 } 122 document.getElementById("topGroupList").innerHTML = text; 123 } 124 </pre>  <p>Click to find out the top groups of each country:</p> <p>Australia Indonesia Japan Korea UK USA</p> <p>BTS Apink Girl's Generation EXO GOT7</p>		main.js

7	<p>Making a pie chart on a canvas using Chart.js</p>	<p>I created one of the first diagrams of my data story – a pie chart, using the Chart.js functions.</p> <p>Firstly, I constructed the dataset, with a small array of data, and added labels.</p> <p>Then I customised the colours, legend and title of the pie chart.</p> <p>I will be planning to create more bar and scatter plots.</p>	<pre> 46 datasets: [{ 47 label: 'Percentage', 48 data: [26.7, 70.2, 2.5], 49 backgroundColor: [50 "pink", "black", "rgb(250,249,246)", 51 //'rgb(255, 99, 132)', 52 //'rgb(54, 162, 235)', 53 //'rgb(255, 205, 86)',], 54 hoverOffset: 4 55] 56 }; 57 new Chart("myChart", 58 { 59 type: "doughnut", 60 data: introFansData, 61 options: { 62 maintainAspectRatio: false, 63 legend: { 64 display: true, 65 fontColor: "rgb(199,21,133)", 66 }, 67 title: { 68 display: true, 69 text: ["Gender Ratio of Kpop Fans"],//set this to 'Number of femal 70 fontFamily: "sans-serif", 71 fontSize: 20, 72 fontColor: "rgb(0,0,0)", </pre>		main.js
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8	Making my own map plot.	In Week 8, Prof recommended that we try out using the map plot. I have incorporated a simple version of it into my data story to allow regional comparisons of the % of female Kpop groups among the top 5 favourites in 6 countries.	<pre>99 //source = https://codepen.io/plotly/pen/EVrRxR 100 Plotly.plot('googleSearchCountry', [{ 101 type: 'choropleth', 102 locations: ['USA', 'AUS', 'GBR', 'KOR', 'JPN', 'IDN'], 103 z: [0.4, 0.2, 0.2, 0.4, 0.2, 0.6] 104 }], { 105 geo: { 106 resolution: 60, 107 lataxis: { 108 range: [-75, 60] 109 }, 110 lonaxis: { 111 range: [-120, 140] 112 } 113 },width:825, height:525, 114 })</pre>	main.js
9	I am planning to use the fetch function to efficiently create the charts for my data story after this submission!			