

Week 12

Changes to my code

1. Utilised a server – <https://nm2207-db.vercel.app/api/377> (thank you Jeremiah) – to keep track of how many people vote for oppose/ support
 - Line in code:
 - 377main.js: 329 – 373
2. Added sources for the data used in my charts at the end
 - Line in code:
 - index.html: 278 – 284
3. Added a back to top button (*How To Create*, 2023)
 - Line in code:
 - index.html: 36
 - 377appstyle.css: 13 – 44
 - 377main.js: 14 – 31
4. Added a window popup alert when the Submit button for the contact form is clicked
 - Line in code:
 - 377main.js: 415 – 417
5. Edited the aesthetics of the page: changed the colours of my backgrounds and changed all my icons to pixel art style
 - Sourced for pixel art on Google
6. Edited my pie chart (under “Let's first understand how Singaporeans' perception on LGBTQ+ issues have changed from 2018 to 2022.”) to make it the same size
 - Shortened my legends so they were all in one line (Oppose/Support, Disagree/Agree)
 - Split the title of the chart into two lines for both pie charts

Write the storyboard for the data story. Report the errors and challenges you are facing.

Errors/ challenges	Solution
Size of chart is not very appealing, it looked too wide compared to my texts/ other elements	Changed the width and height of the canvas to have a better scaling
Challenging to find data on the LGBTQ+ community in Singapore specifically, given that this topic is not very much discussed about	Combined data from different sources to make it more cohesive and comprehensive, from studies by IPS and IPSOS

Count for Support/Oppose Section 377A resets every time the web page is refreshed	Used a server to store the votes even after refreshing the page
<p>Can't get chart to read my fetch API data</p> <pre> 294 // input data from fetch API endpoint into votePie 295 296 const getOpinions = () => { 297 fetch("https://nm2207-db.vercel.app/api/377").then((response) => 298 response.json().then((v) => { 299 const opposeNum = v[0].oppose; // v is value 300 const supportNum = v[0].support; 301 votePie.data.datasets[0].data = [opposeNum, supportNum]; 302 votePie.update(); // initialise data of votePie, set to the numbers stored in the 303 }) 304); 305 };</pre>	<p>Needed to first fetch the data from fetch API server and assign the value in the endpoint (v[0].oppose and v[0].support) to the empty data array in votePie</p>
<p>Chart did not update although the values in the server changed</p> <pre> 361 console.log(data.value); 362 if (type === "support") { 363 votePie.data.datasets[0].data[1] = data.value.support + 1; // need to add 1 to 364 votePie.update(); //update your chart with new value for support 365 } else if (type === "oppose") { 366 votePie.data.datasets[0].data[0] = data.value.oppose + 1; 367 votePie.update(); //update your chart with new value for oppose 368 } 369 };</pre>	<ul style="list-style-type: none"> - Needed to manually add 1 to data.value.support and data.value.oppose (in the updateChart function) as the data was still the data before the button was clicked - Used ChatGPT to check for any errors with my syntax and to suggest improvements to my code
Webpage didn't fill up the whole page, there were white margins for some of the divs	Found out that one of the divs had "width: 100%" which caused it to be (id="conclusion")
Not very clear/ obvious when buttons are clicked	<ul style="list-style-type: none"> - Changed background colour on hover - Changed cursor to pointer when hovering on button - Added simple animations on hover (<i>How to Animate Buttons With CSS</i>, 2023)

Bibliography

How To Animate Buttons With CSS. (n.d.). Retrieved April 7, 2023, from
https://www.w3schools.com/howto/howto_css_animate_buttons.asp

How To Create a Scroll Back To Top Button. (n.d.). Retrieved April 6, 2023, from
https://www.w3schools.com/howto/howto_js_scroll_to_top.asp