2022 CM033 Coursework Reflection

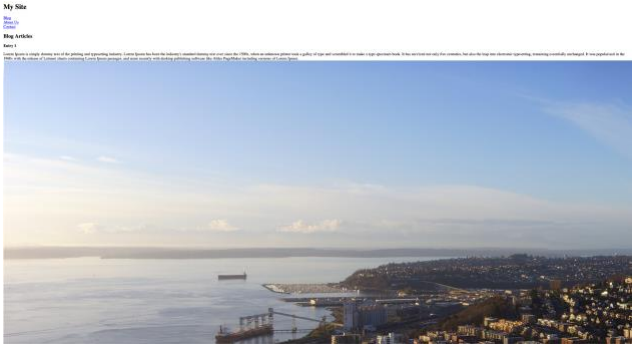
Student Reflection #1: Kaitlyn Ang (Year 3)

This module is one that is very interesting and rewarding for those who are interested in coding or programming. Usually the coding is focused on Micro:bit, which in comparison is much simpler, but learning how to use Javascript and React as ways to code the programmes was a very interesting change. In comparison to Micro:bit's basic block coding, the two languages we used had a wide array of commands that can all be used as a means to improve our websites. In addition, it is even possible to change the font or colour or size of the text that is added on the website, alongside many other stylistic choices, to enhance the viewing experience.

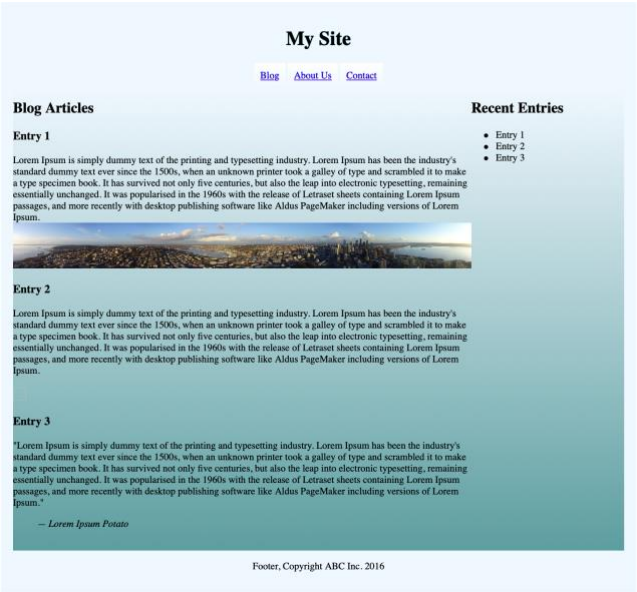
Overall, this programme is good for those who are interested in learning about how to make or design web pages or those who want to learn another coding language.

For example, this was what we did as our introduction to Style.Css, which is what we used to add colour or change things about our website to make it more interesting.

Before *(NB: The picture was too large so I was unable to capture the original look of the code)*:



After Styling:

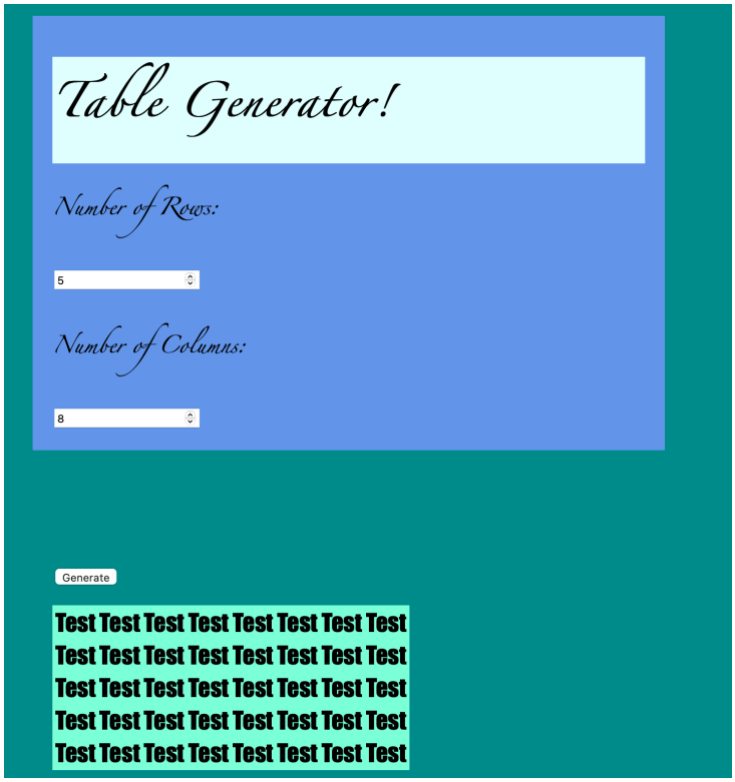


The code (in Style.css), done through Replit:

```css
nav div {
  background: linear-gradient(white, aliceblue);
  display: inline-block;
  padding: 10px;
  color: blue;
  text-shadow: 1px 2px 1px pink;

}

.container{
  width:1000px;
  background-color: aliceblue;
  display: flex;
  flex-direction: column;
  align-items: center;
  padding: 20px;
}

body{
  display: flex;
  justify-content: center;
  align-items: center;
  flex-direction: column;


}
div img {
  max-width: 100%
}

.header{
  text-align: center;
  text-shadow: 1px 1px 2px teal;
}

aside {
  flex: 1;
}

section {
  flex: 3
}

footer {
  text-align: center;
}

main {
  display: flex;
  background: linear-gradient(aliceblue, cadetblue)
}
```

We also used an app called Visual Studio Code, which was another way for us to code, and save it on our computers. Through this, one of the things we coded was a Table generator.

The Website:



The Code (HTML, Style.css and Javascript in this order):

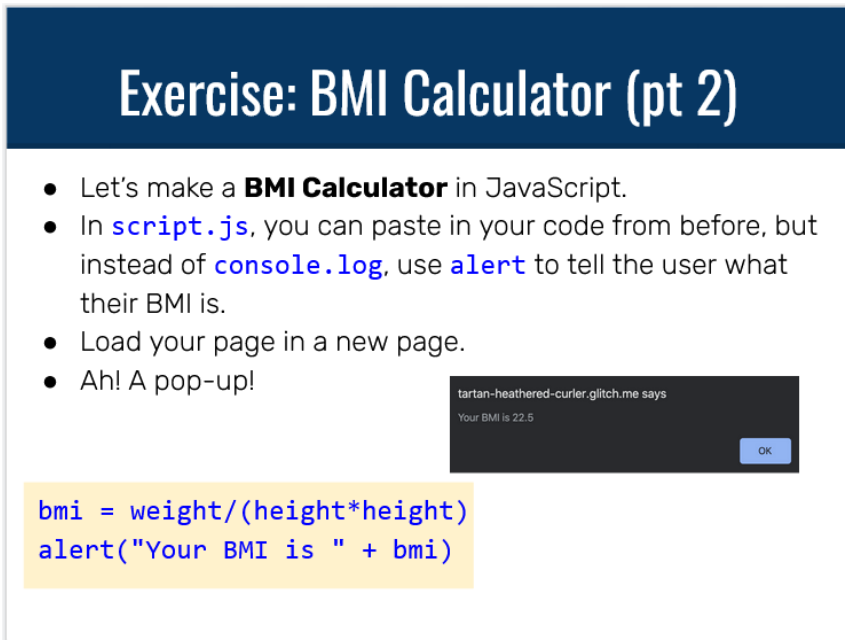
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="style.css"/>
    <title>Document</title>
</head>
<body>
    <main>
        <h1>Table Generator!</h1>
        <p> Number of Rows:</p>
        <input type="number" id="NumRows">
        <p>Number of Columns:</p>
        <input type="number" id="NumColumns">
        <br /><br/><br/>
        <button id="submit" onclick="tableGenerator()">Generate</button>

        <table id="newTable">
        </table>
    </main>

</body>
<script src="script.js"></script>
</html>
```

```css
body {
  background-color: darkcyan;
  font-family: fantasy;
}

main {
  background-color: cornflowerblue;
  margin: 20px auto;
  width: 600px;
  height: 400px;
  padding: 20px;
}

h1 {
  font-weight: bold;
  background-color: lightcyan;
}

table {
  font-family: Impact, Haettenschweiler, "Arial Narrow Bold", sans-serif;
  font-size: x-large;
  background-color: aquamarine;
  padding: 50px auto;
  margin-bottom: 20px;
}
```

```javascript
function tableGenerator() {
  var rows = document.getElementById("NumRows").value;
  var cols = document.getElementById("NumColumns").value;
    var table = document.getElementById("newTable")

    for (var i = 0; i < rows; i++) {

    var row = document.createElement("tr");

     table.appendChild(row);

     for (var j = 0; j < cols; j++) {

       var cell = document.createElement("td");

      row.appendChild(cell);

      cell.innerText = "Test";

     }
  }
}
```

Student Reflection #2: Tan Si Ying (Year 3)
The CM033 web programming module has been an enriching experience, allowing me to learn various skills with regards to web development that I would not normally have the chance to experience.

The programme has allowed me to learn the foundations of web development through understanding basic syntax and means to layout a website. The slides are easy to understand, and the exercises are effective in applying the concepts learnt.



This programme will enable me to create further websites in my future endeavours. For example, I can make use of my skills in future VIAs to support a community by making websites for VIAs to better collate and share information on their various initiatives. This will allow me to make use of my knowledge for good. I could also make use of these skills to advocate for what I am passionate about since the medium is easily accessible in this digital age. In order to hone my skills on the matter, I can carry out side projects such as application exercises that I find online to have a better grasp over web development.

Learning in the classroom may be different from learning online during HBL days, but the process is similar. Some challenges faced when learning on HBL days would be the lack of face-to-face interaction, therefore asking questions may be more awkward and the instructor may find it harder to help. However, by using online technology such as Padlet and the Google Meet chat function, this has not impaired the learning process much.

Below are some samples of work done in class as well as platforms used:

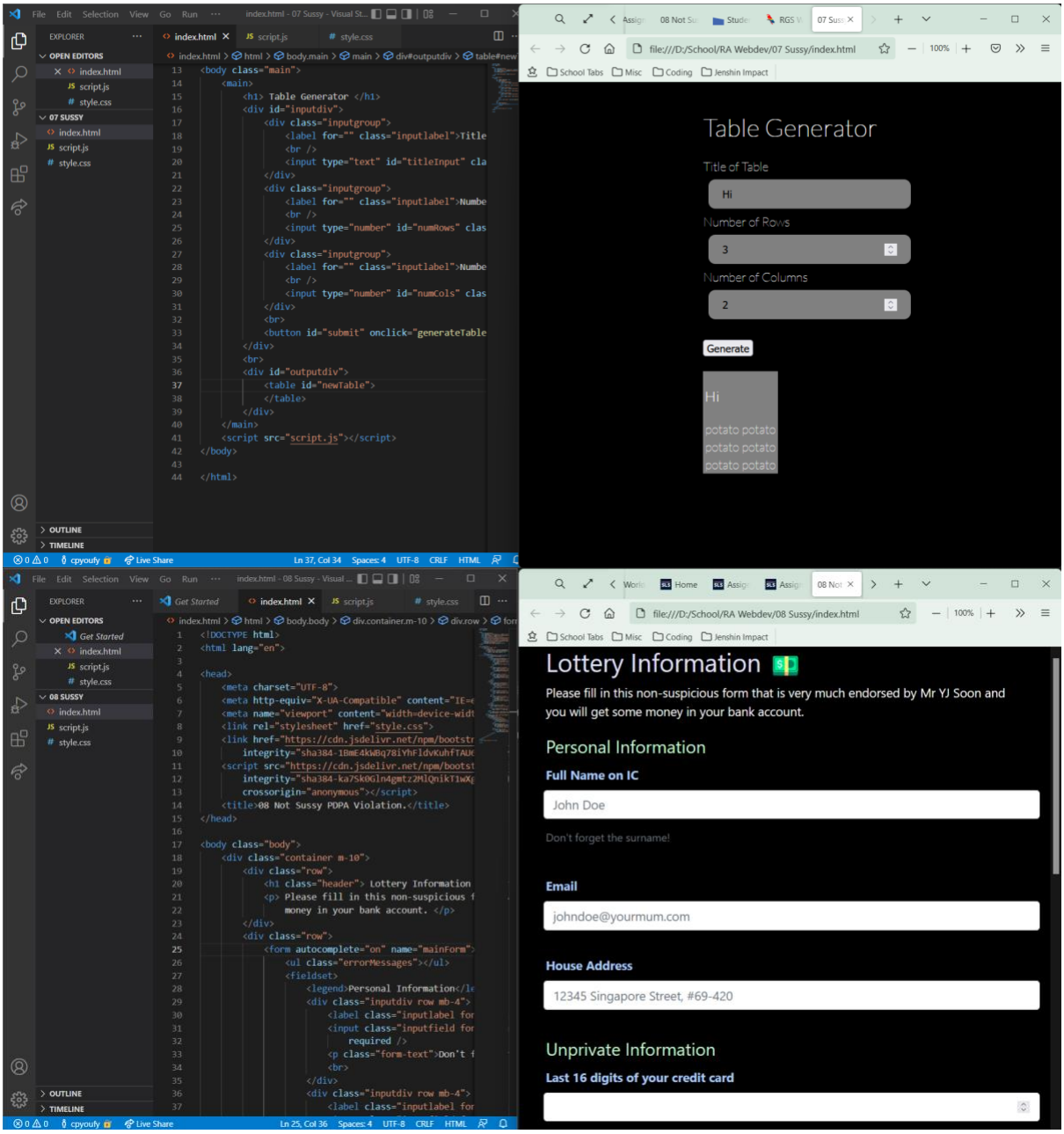
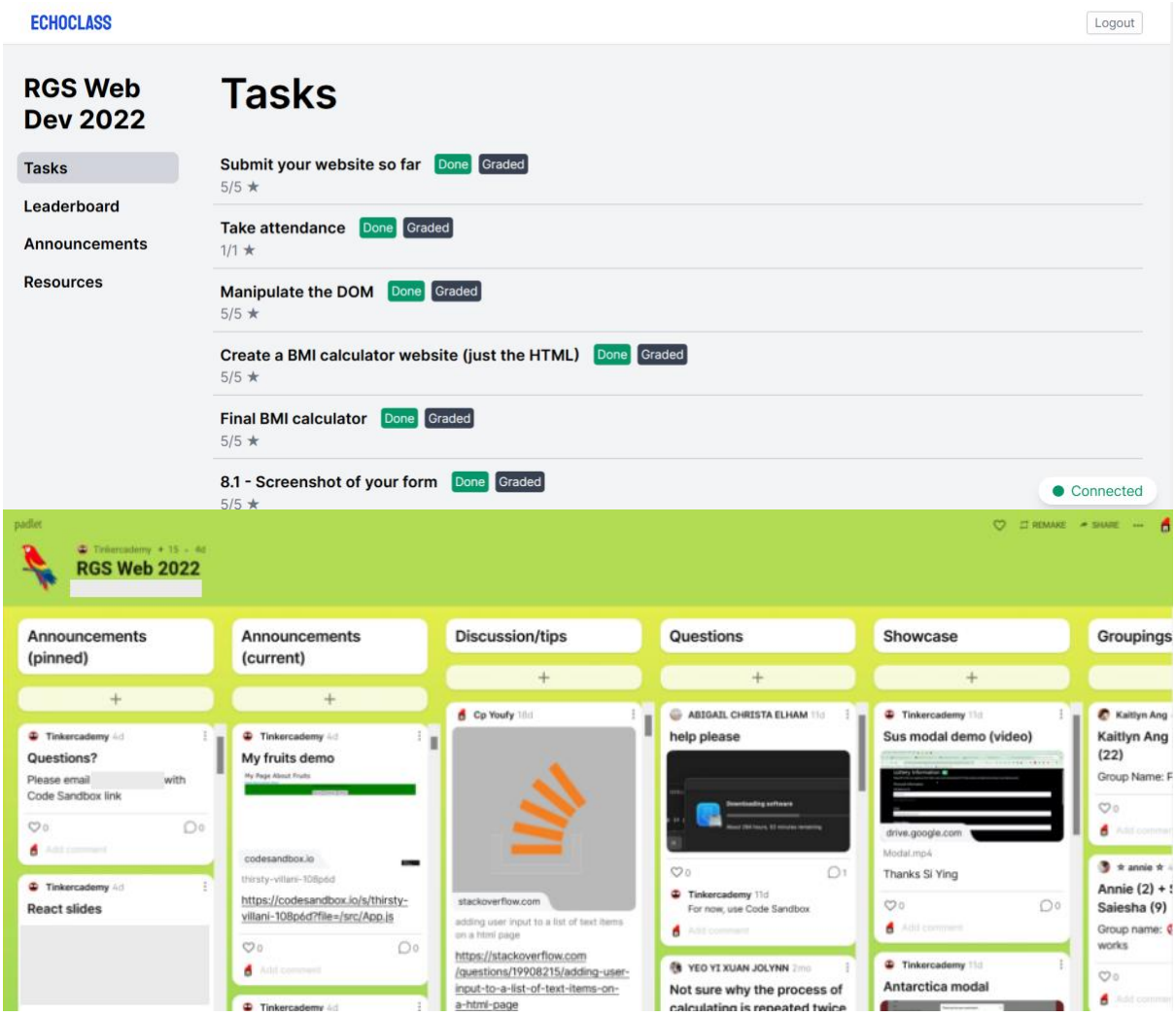


Table Generator
Title of Table
Hi
Number of Rows
3
Number of Columns
2
Generate
Hi
potato potato
potato potato
potato potato
Lottery Information
Please fill in this non-suspicious form that is very much endorsed by Mr YJ Soon and you will get some money in your bank account.
Personal Information
Full Name on IC
John Doe
Don't forget the surname!
Email
johndoe@yourmum.com
House Address
12345 Singapore Street, #69-420
Unprivate Information
Last 16 digits of your credit card


ECHOCLASS
Logout
RGS Web Dev 2022
Tasks
Leaderboard
Announcements
Resources
Tasks
Submit your website so far Done Graded
5/5 ★
Take attendance Done Graded
1/1 ★
Manipulate the DOM Done Graded
5/5 ★
Create a BMI calculator website (just the HTML) Done Graded
5/5 ★
Final BMI calculator Done Graded
5/5 ★
8.1 - Screenshot of your form Done Graded
5/5 ★
Connected
padlet
RGS Web 2022
Announcements (pinned)
Announcements (current)
Discussion/tips
Questions
Showcase
Groupings
Questions?
Please email with Code Sandbox link
React slides
My fruits demo
codesandbox.io
https://codesandbox.io/s/thirsty-villani-108p6d?file=/src/App.js
Cp Youfy
stackoverflow.com
https://stackoverflow.com/questions/19908215/adding-user-input-to-a-list-of-text-items-on-a-html-page
ABIGAIL CHRISTA ELHAM
help please
For now, use Code Sandbox
YEO YI XUAN JOLYNN
Not sure why the process of
Sus modal demo (video)
drive.google.com
Modal.mp4
Thanks Si Ying
Antarctica modal
Kaitlyn Ang (22)
Annie (2) + Saiesha (9)
Group name:
works