

Microproject#1

JavaScript Framework

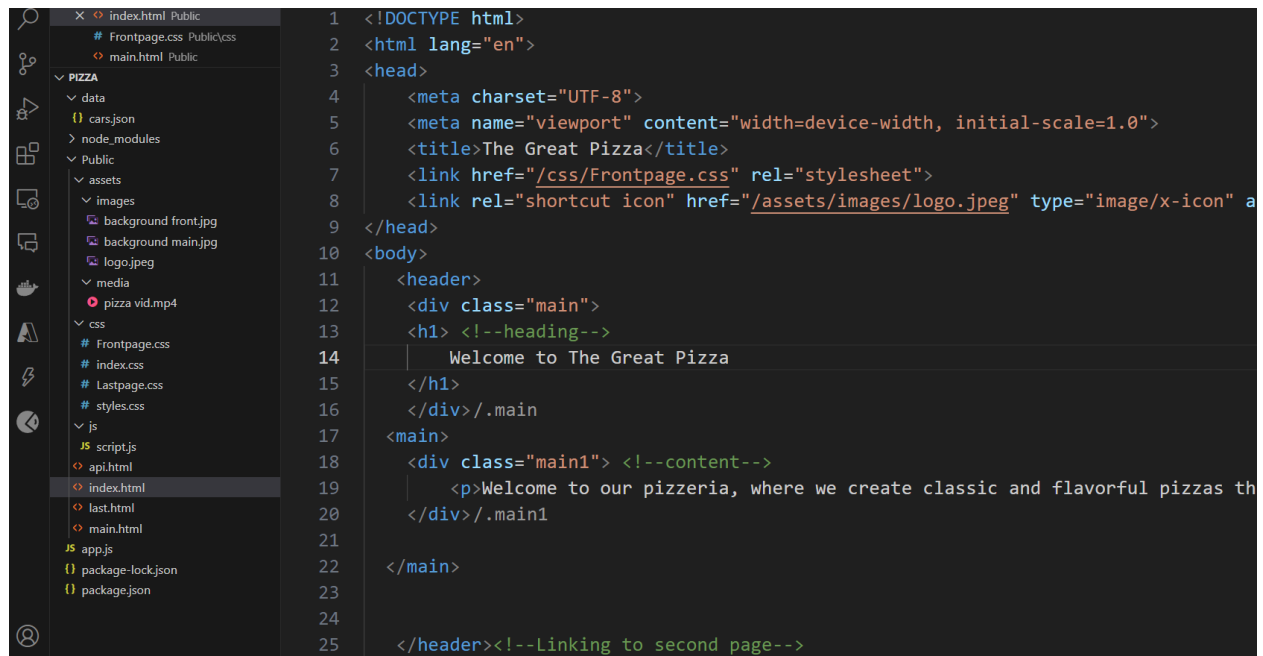
Group 6

Jesbin Jobi – 200588911

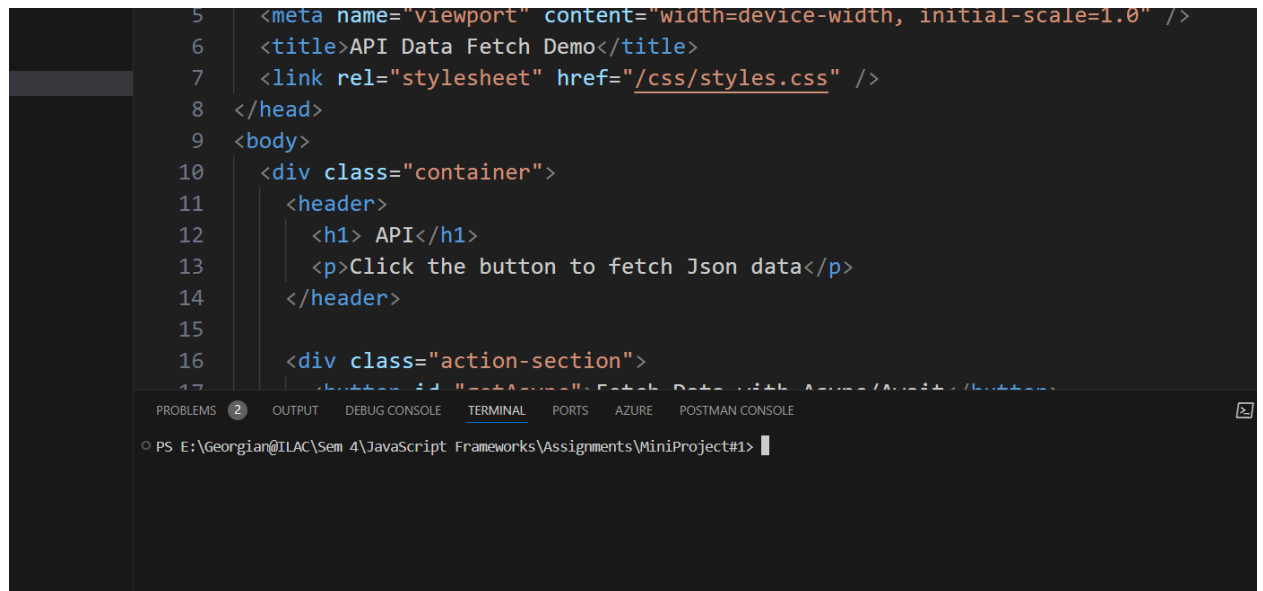
Rojin Babu – 200587425

Anmar Jarjees

Screen Shot of Folder Structure



Terminal Window



App.js

```
JS app.js > ...
1  const express = require('express');
2  const app = express();
3  const port = 3000;
4
5  const path = require('path');
6
7  // importing json data from data folder
8  const cars = require('./data/cars.json');
9
10
11 app.use(express.static(path.join(__dirname, 'public')));
12
13 -
14 app.get('/cars', (req, res) => {
15   res.json(cars);
16 });
17
18
19 app.listen(port, () => {
20   console.log(`Application URL: http://localhost:${port}`);
21 });
22
```

Script.js

```
Public > js > JS script.js > ...
1  let btn = document.getElementById('getAsync'); // getting button by id
2
3  const dataUrl = "http://localhost:3000/cars";
4
5  async function receiveData() {
6
7     // grab the json data
8
9     let response = await fetch(dataUrl);
10
11     console.log(response);
12
13     data = await response.json(); // parsing json content only
14
15     console.log(data); // the json data from cars
16
17
18     // displaying json data
19
20     let result = "";
21     data.forEach(car => {
22       result += `<p>${car.brand} - ${car.model} (${car.year})</p>`;
23     });
24
25     document.getElementById("data").innerHTML = result;
26   }

```

```

18 // displaying json data
19
20 let result = "";
21 data.forEach(car => {
22   result += `<p>${car.brand} - ${car.model} (${car.year})</p>`;
23 });
24
25 document.getElementById("data").innerHTML = result;
26 }
27
28 btn.addEventListener("click", receiveData);
29

```

Api.html

```

Public > api.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6   <title>API Data Fetch Demo</title>
7   <link rel="stylesheet" href="/css/styles.css" />
8 </head>
9 <body>
10  <div class="container">
11    <header>
12      <h1> API</h1>
13      <p>Click the button to fetch Json data</p>
14    </header>
15
16    <div class="action-section">
17      <button id="getAsync">Fetch Data with Async/Await</button>
18    </div> .action-section
19
20
21    <section id="data" class="data-section">
22
23    </section> /#data.data-section
24
25    <footer>
26      <p>&copy; 2025 Jesbin & Rojin.</p>
27    </footer>

```

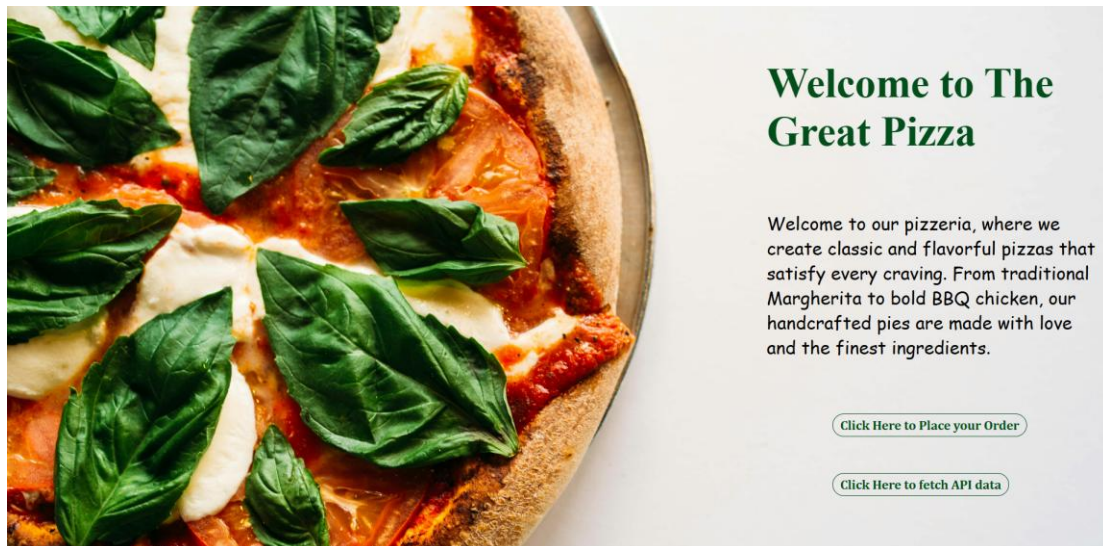
Running screenshot

```
15 |   dependencies: {
16 |     "nodemon": "^3.1.10"
  }
}

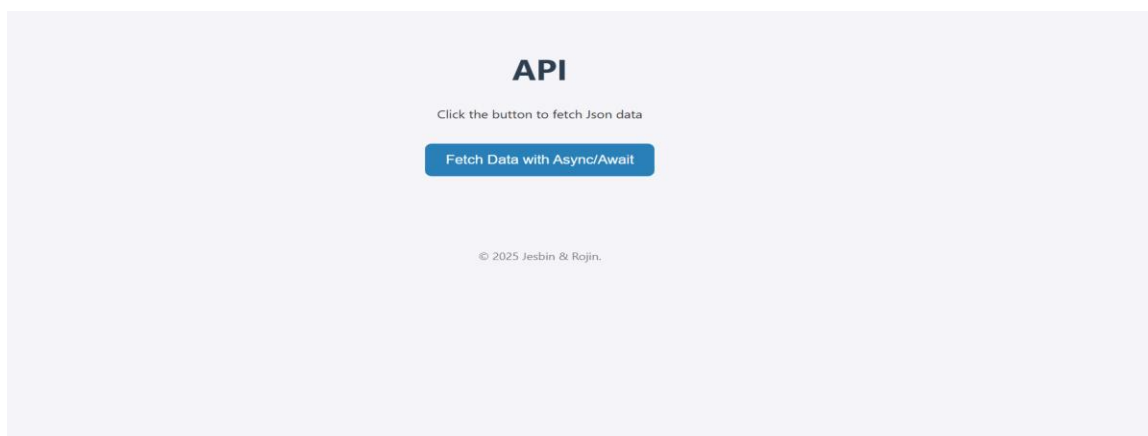
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE POSTMAN CONSOLE

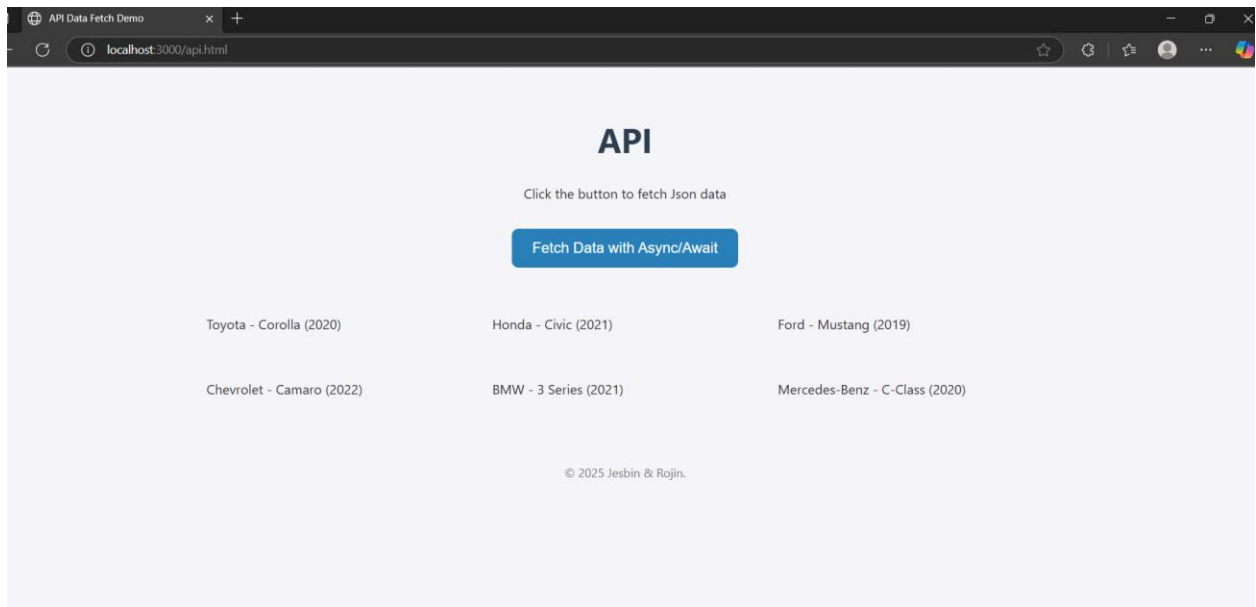
PS E:\Georgian\ILAC\Sem 4\JavaScript Frameworks\Assignments\MiniProject#1> nodemon app.js
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node app.js`
Application URL: http://localhost:3000
```

Main page



API page





Second page

Pizza Order Form

Personal Information

Name:

Email:

Pizza Details

Number of Pizzas:

Size:

Crust Type: ☐ Thin Crust ☐ Deep Dish

Toppings:

Delivery Options

☐ Takeout ☐ Delivery

Enjoy our delicious pizza!

Final page

