

CCT College Dublin
Assessment Cover Page

Module Title:	Web Development
Assessment Title:	Data Manipulation and Validation
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Assessment Due Date:	23:59 on Sunday 04/12/2022
Date of Submission:	02/12/2022

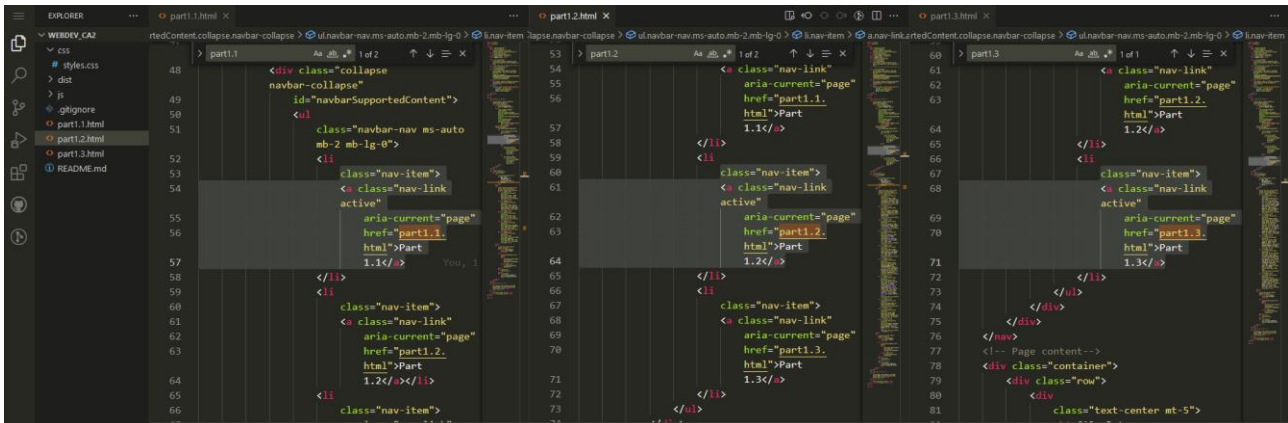
GITHUB REPOSITORY: https://github.com/tolgabp/webdev_ca2.git

Declaration

By submitting this assessment, I confirm that I have read the CCT policy on Academic Misconduct and understand the implications of submitting work that is not my own or does not appropriately reference material taken from a third party or other source. I declare it to be my own work and that all material from third parties has been appropriately referenced. I further confirm that this work has not previously been submitted for assessment by myself or someone else in CCT College Dublin or any other higher education institution.

1- Use a SQL.js library and build HTML files, which will render the results of SQL queries run against a SQLite database in a browser:

Three html files were built and linked to each other as it was given in the instructions. Also, they are named **part1.1.html** for Part 1.1, **part1.2.html** for Part 1.2 and **part1.3.html** for Part 1.3.



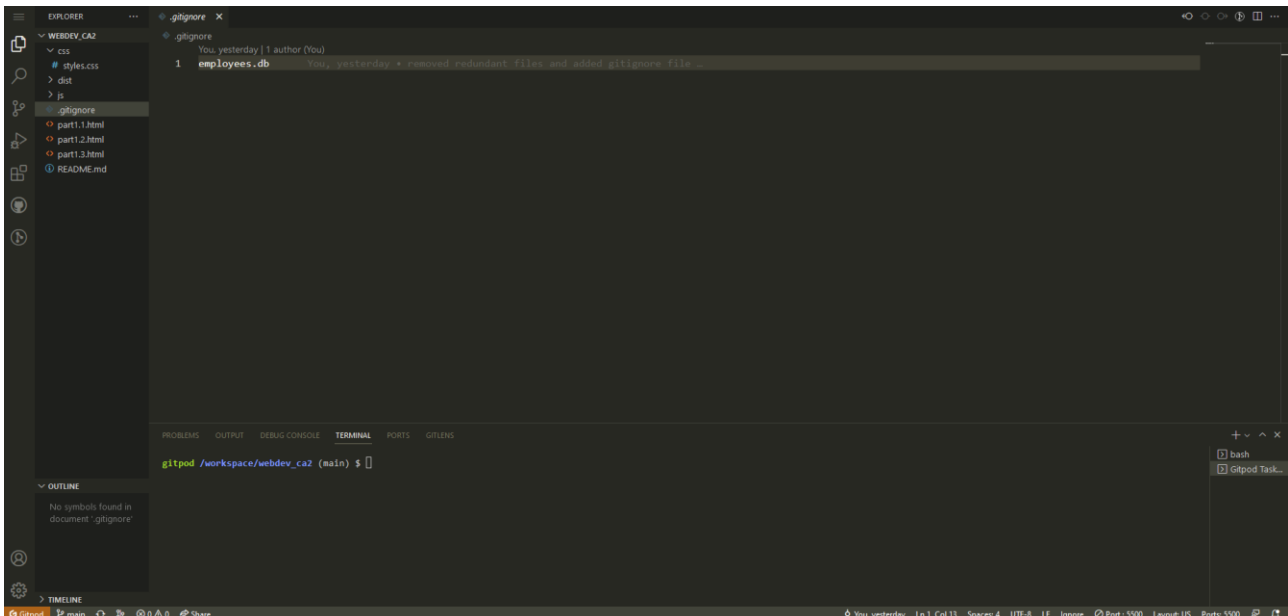
```
part1.1.html
48 <div class="collapse navbar-collapse" id="navbarSupportedContent">
49 <ul>
50 <li>
51 <a class="nav-link" href="#">
52 <li>
53 <li>
54 <li>
55 <li>
56 <li>
57 <li>
58 <li>
59 <li>
60 <li>
61 <li>
62 <li>
63 <li>
64 <li>
65 <li>
66 <li>

part1.2.html
53 <div class="collapse navbar-collapse" id="navbarSupportedContent">
54 <ul>
55 <li>
56 <li>
57 <li>
58 <li>
59 <li>
60 <li>
61 <li>
62 <li>
63 <li>
64 <li>
65 <li>
66 <li>
67 <li>
68 <li>
69 <li>
70 <li>
71 <li>
72 <li>
73 <li>

part1.3.html
68 <div class="collapse navbar-collapse" id="navbarSupportedContent">
69 <ul>
70 <li>
71 <li>
72 <li>
73 <li>
74 <li>
75 <li>
76 <li>
77 <li>
78 <li>
79 <li>
80 <li>
81 <li>
```

2- Create a .gitignore file and include employees.db:

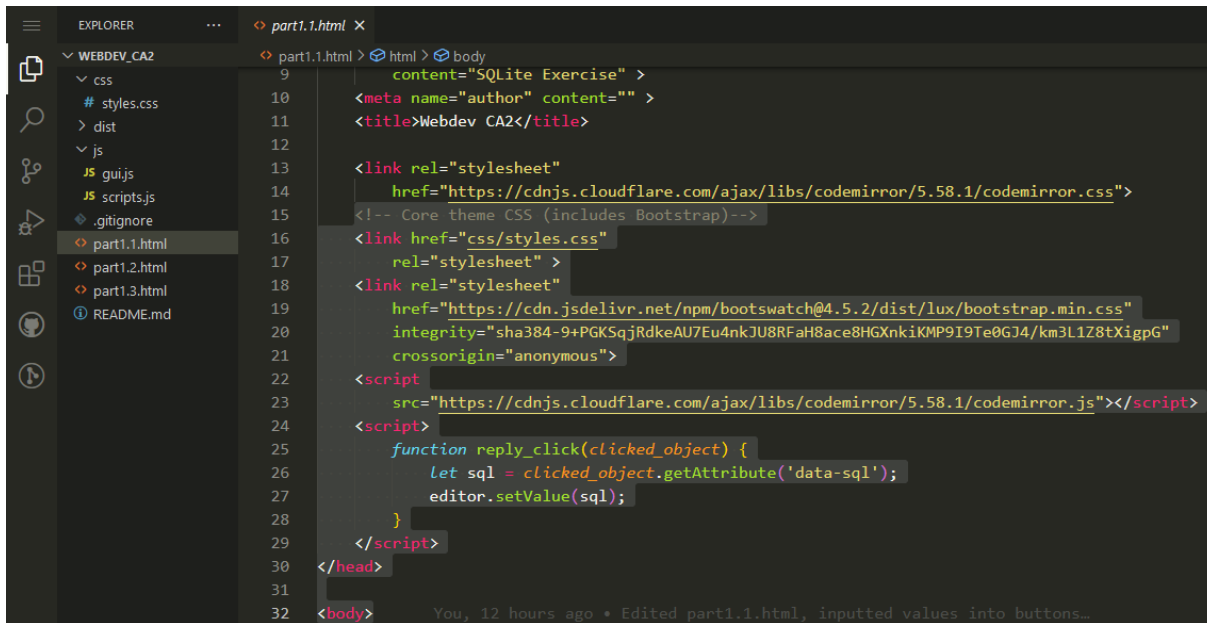
Thanks to that .gitignore file, employees.db will be ignored and not be uploaded to GitHub.



```
.gitignore
1 employees.db

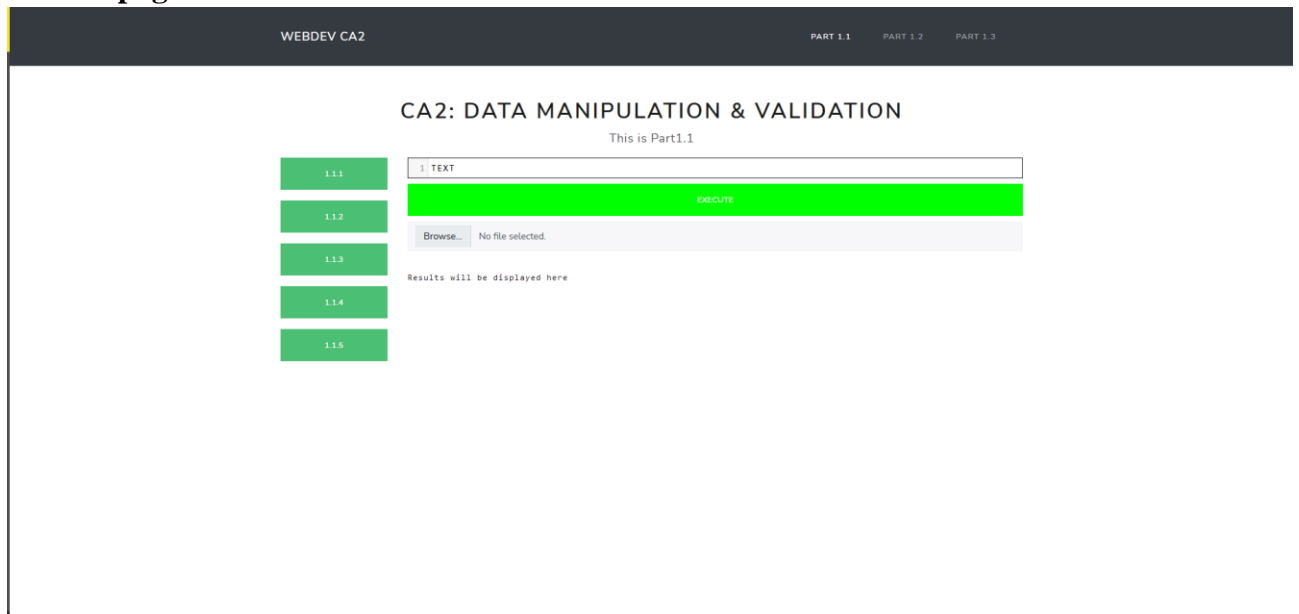
gitpod /workspace/webdev_caz (main) $
```

3- CSS file (style.css) is in the same folder –Bootstrap is used:



```
9      content="SQLite Exercise" >
10
11     <meta name="author" content="" >
12     <title>Webdev CA2</title>
13
14     <link rel="stylesheet"
15           href="https://cdnjs.cloudflare.com/ajax/libs/codemirror/5.58.1/codemirror.css">
16     <!-- Core theme CSS (includes Bootstrap)-->
17     <link href="css/styles.css"
18           rel="stylesheet" >
19     <link rel="stylesheet"
20           href="https://cdn.jsdelivr.net/npm/bootswatch@4.5.2/dist/lux/bootstrap.min.css"
21           integrity="sha384-9+PGKSqjRdkeAU7Eu4nkJU8RfaH8ace8HGXnkiKMP9I9Te0GJ4/km3L1Z8tXigpG"
22           crossorigin="anonymous">
23     <script
24           src="https://cdnjs.cloudflare.com/ajax/libs/codemirror/5.58.1/codemirror.js"></script>
25     <script>
26       function reply_click(clicked_object) {
27         let sql = clicked_object.getAttribute('data-sql');
28         editor.setValue(sql);
29       }
30     </script>
31 </head>
32 <body> You, 12 hours ago • Edited part1.1.html, inputted values into buttons...
```

4- Each question should have its question number and any sub-part numbers included in the button; Make sure you link all HTML files together in the upper right menu and the current page is shown in bold.



WEBDEV CA2

PART 1.1 PART 1.2 PART 1.3

CA2: DATA MANIPULATION & VALIDATION

This is Part1.1

1.1.1

1.1.2

1.1.3

1.1.4

1.1.5

1 TEXT

EXECUTE

Browse... No file selected.

Results will be displayed here

CA2: DATA MANIPULATION & VALIDATION

This is Part1.2

1.2.1

1.2.2

1.2.3

1.2.4

1.2.5

1.2.6

1.2.7

1.2.8

1.2.9

1.2.10

1 TEXT

EXECUTE

Browse... No file selected.

Results will be displayed here

CA2: DATA MANIPULATION & VALIDATION

This is Part1.1

1.3.1

1.3.2

1.3.3

1.3.4

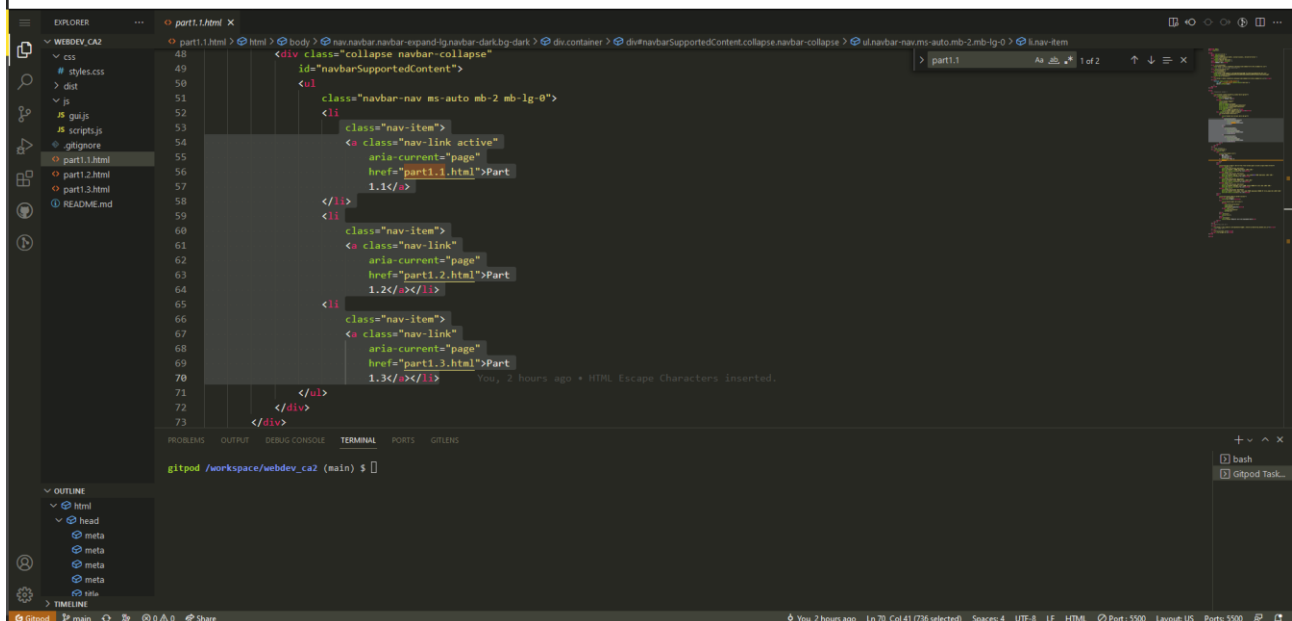
1.3.5

1 TEXT

EXECUTE

Browse... No file selected.

Results will be displayed here



- 5- Each query should have a green **Execute** button that executes each query and renders the results in the destination `<div>`:

WEBDEV CA2

PART 1.1PART 1.2PART 1.3

CA2: DATA MANIPULATION & VALIDATION

This is Part1.1

1.1.1

1.1.2

1.1.3

1.1.4

1.1.5

1 SELECT * FROM departments LIMIT 100;

EXECUTE

Browse...

employees.db

DEPT_ID	DEPT_NAME
1	Marketing
2	Finance
3	Human Resources
4	Production
5	Development
6	Quality Management
7	Sales
8	Research
9	Customer Service

- 6- Make sure you use HTML Escape Characters when putting SQL commands inside data-SQL attribute.**

REFERENCES

- 1- <https://mateam.net/>. (n.d.). *HTML Escape Characters: Complete List of HTML Entities*. [online] Available at: <https://mateam.net/html-escape-characters/>.
- 2- rocketvalidator.com. (n.d.). *How to fix: The 'type' attribute is unnecessary for JavaScript resources*. [online] Available at: <https://rocketvalidator.com/html-validation/the-type-attribute-is-unnecessary-for-javascript-resources> [Accessed 2 Dec. 2022].
- 3- Anon, (n.d.). *'a SQL' or 'an SQL'?* | *The ORACLE-BASE Blog*. [online] Available at: <https://oracle-base.com/blog/2015/01/02/a-sql-or-an-sql/> [Accessed 2 Dec. 2022].
- 4- docs.oracle.com. (n.d.). *Database Concepts*. [online] Available at: <https://docs.oracle.com/database/121/CNCPT/sqlangu.htm#CNCPT116> [Accessed 2 Dec. 2022].
- 5- www.bootstrapcdn.com. (n.d.). *Bootstrap*. [online] Available at: <https://www.bootstrapcdn.com/bootstrap/>.
- 6- www.w3schools.com. (n.d.). *Bootstrap 5 Tutorial*. [online] Available at: <https://www.w3schools.com/bootstrap5/>.
- 7- [W3schools.com](https://www.w3schools.com/). (2019). *HTML id*. [online] Available at: https://www.w3schools.com/html/html_id.asp.