

WEB APPLICATION DEVELOPMENT

ASSIGNMENT – II REPORT

STUDENT ID: 22260186

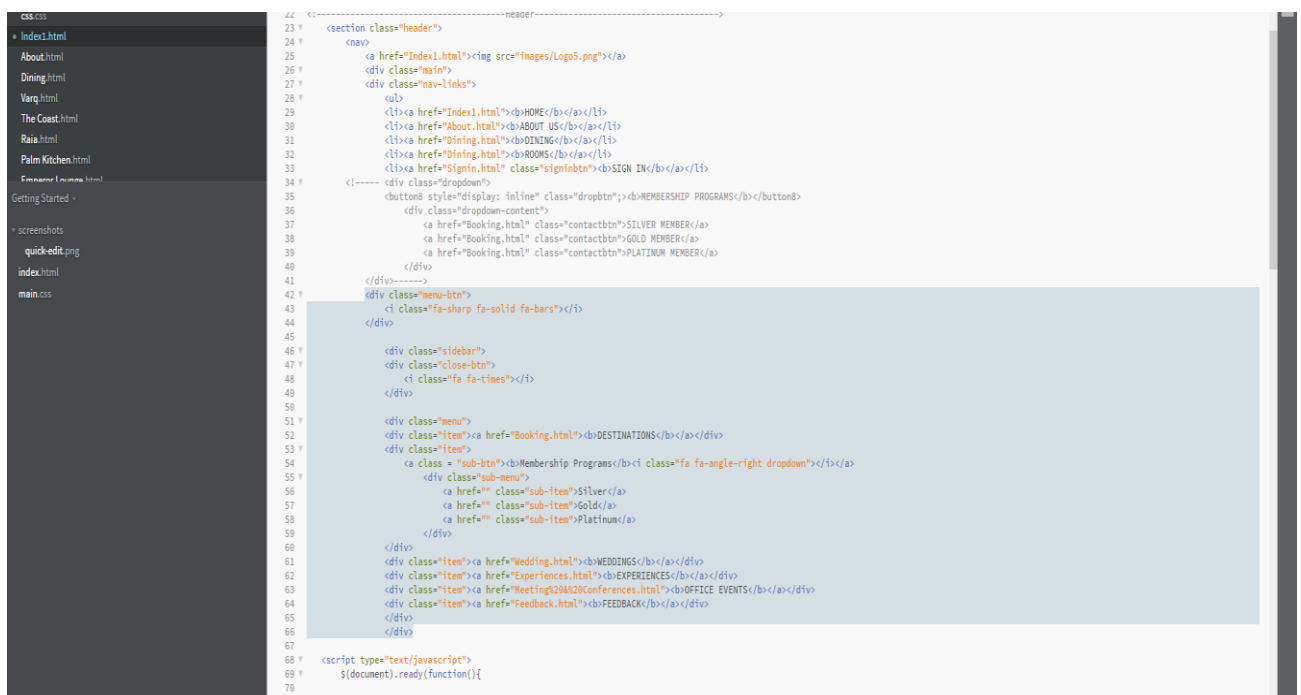
○ Overview:

This website gives a detailed idea and information about the Hotel chain - Ceilo Hotels owned by CHCL (Ceilo Hotels Company Limited). It's main purpose is to give prospective visitors thorough picture of the key features of this hotels can be navigated using various navigation links on the top of the screen and also on the side menu bar on the index page. The web page has two forms Join Now and Feedback forms with validation and also stores the data in the local storage of HTML and displays it in the tabular form on the bottom of the page.

○ Dynamic menu bar: (Page:- Index1.html; section: Header)

HTML Code:

A dynamic menu bar – side bar is used in the index/home page of the website. The side menu bar has its button on right top of the screen which on clicking opens the menu bar. The code for this menu bar is on the Index1 page under the header section which can be seen in Capture.1 below. The code includes a button element with three



Horizontal bars with the class “menu-btn” (an icon representing a menu). On click, the side menu bar element with the class “sidebar” can be seen. The navigation menu is located on the sidebar. It further has options - Destinations, Membership Programs which again is a drop down menu button with three more options, Weddings, Experiences, Office Events, Feedback.

JavaScript:

The menu’s dependency is added using jQuery in the JavaScript code. It performs the following. Capture. 2 shows the snapshot of the javascript code:

1. When the button is clicked, it adds the class “active” to the sidebar element, which causes it to be displayed.
2. On clicking it activates the sidebar element, the next element with the class “sub-menu” receives a call to the jQuery slideToggle() method, which opens and makes the sub-menu visible. It also activates the class “rotate” on the element with the class “dropdown” and hence the dropdown is open when the menu bar icon is clicked.



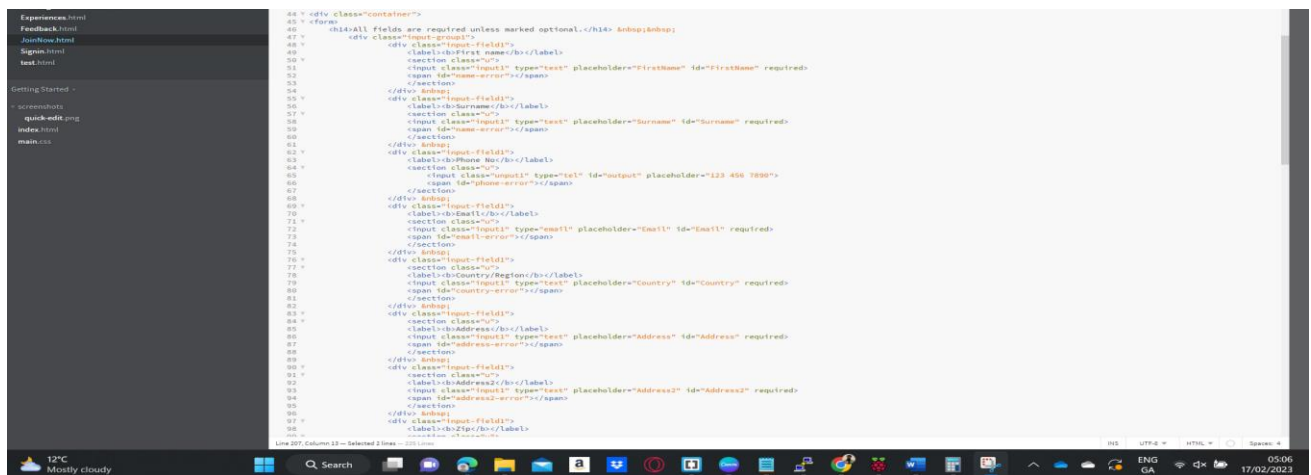
Capture.2: Screenshot of JavaScript section of side menu bar

- **Forms: (Page:- JoinNow.html, Feedback.html; Section: Form)**

HTML Code:

1. The <label> tag used in this part is to used to define the label for <input>, <button>, <textarea> elements.
2. Type=”text” designates a text input field for the input field. Placeholder text is used to display until the user gives an input in the field.

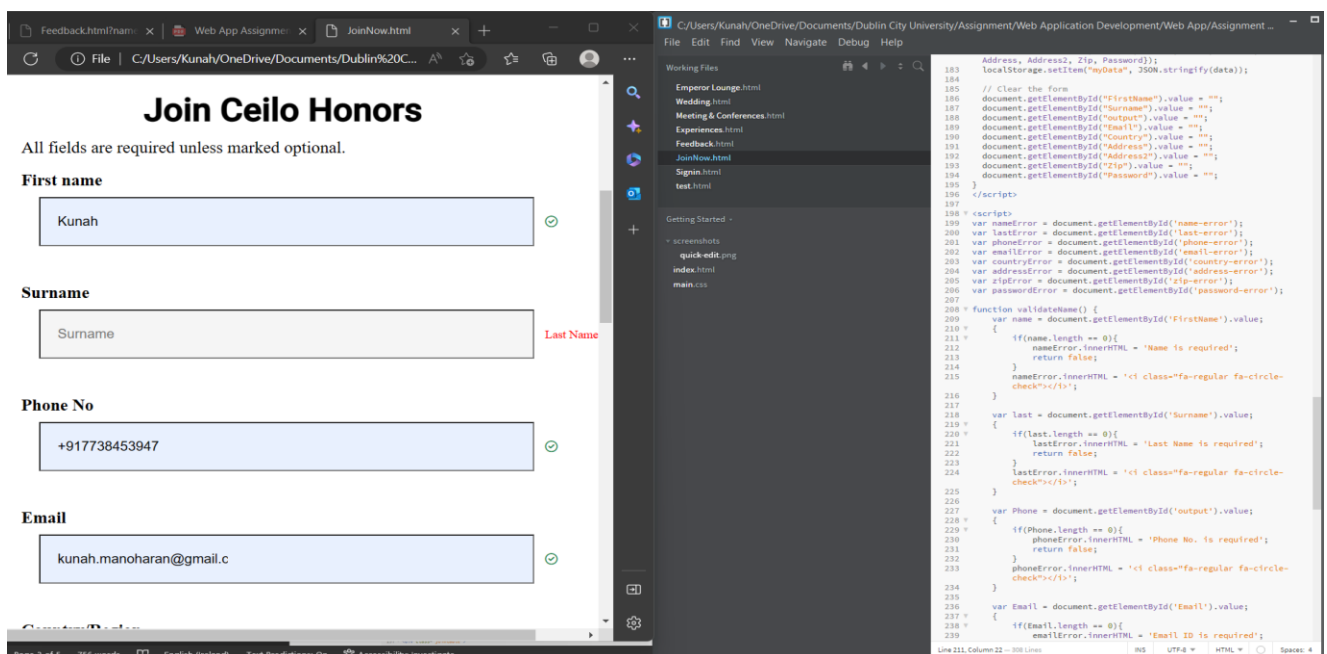
3. The button “Join for Free” when onclcking calls the function ceilohotel().



Capture.3: Screenshot of form creation

JavaScript:

In this section of Javascript code by using the getElementId() method, the code first retrieves the value of the first name input field and assigns it to the name variable. The length of name variable is then checked to see if it is zero/blank. If the length is zero it assumes that the field is empty and code then uses the innerHTML property of an element nameError to display an error message on the page.(As show in capture 4 for the Surname attribute). If the inputs are valid then returns with a circle-tick mark symbol.



Capture.4: Validation and JavaScript section of Join Us form

- ### HTML Code:

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196 </script>
197 <div class="jointable">
198 <table id="myTable">
199 <tr>
200 <th>First Name</th>
201 <th>Surname</th>
202 <th>Phone</th>
203 <th>Email</th>
204 <th>Country</th>
205 <th>Address</th>
206 <th>Address2</th>
207 <th>Zip</th>
208 <th>Password</th>
209 </tr>
210 </table>
211 </div>
212 <!-------FOOTER----->
213 <section class="About100">
214 <p100><b>Ceilo Hotels is Ceilo's flagship brand and one of the largest hotel brands in the world. The brand is targeted at both business and leisure travelers with locations in major city centers, near airports, convention centers, and popular vacation destinations around the world.</b></p100>
215 <br>
216 <a href="Contact%20Us.html" class="contactbtn">CONTACT US</a>
217 <div class="icons">

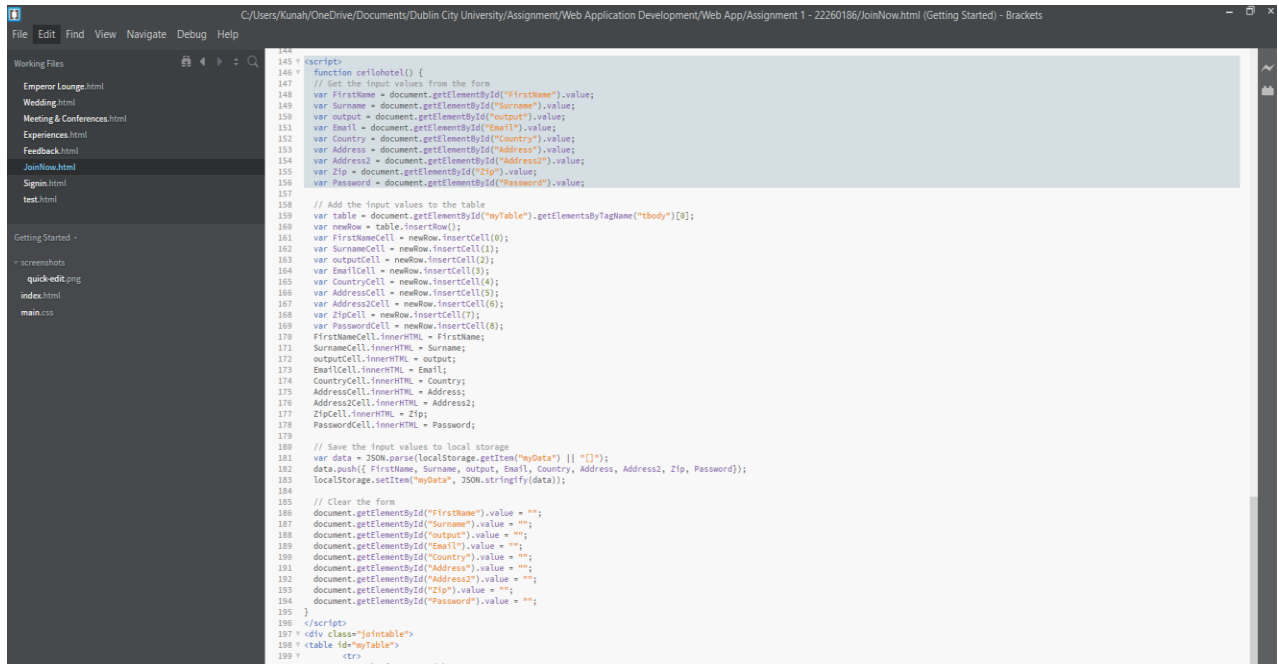
```

JavaScript:

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- The screenshot shows a web browser with a URL bar indicating a file path. The page content includes a "Password" input field, a paragraph of terms and conditions, a "Join for Free" button, and a table of users. The developer console is open on the right, showing the Application tab with a filter set to "Storage". It displays a list of storage items, including a "myObject" containing a JSON object with user details.
- Table 1: Registration Form**
- | First Name | Surname | Phone | Email | Country | Address | Address2 | Zip | Password |
|------------|-----------|-------------|---------------------------|---------|----------------------|----------|----------|------------|
| Cunah | Manoharan | +9177384947 | kunah.manoharan@gmail.com | Ireland | DCU Glasnevin Campus | Dublin | D09 W6Y4 | Dublin@202 |
- Table 2: User Data from Console**
- | Key | Value |
|---------------------|--------------------------|
| Manifest | Key |
| Service Worker | myData |
| Storage | join.us |
| Storage | myObject |
| Storage | contact.us |
| Storage | Local Storage |
| Storage | file:/// |
| Storage | Session Storage |
| Storage | IndexedDB |
| Storage | Web SQL |
| Storage | Cookies |
| Storage | Trust Tokens |
| Storage | Interest Groups |
| Storage | Shared Storage |
| Cache | Cache Storage |
| Cache | Backforward Cache |
| Background Services | Background Sync |
| Background Services | Background Fetch |
| Background Services | Payment Manager |
| Background Services | Periodic Background Sync |
| Background Services | Push Message |
| Background Services | Reportin |
| Frames | top |

Capture.6: Screenshot of JoinNow.html page “Join for Free” button and the table at the bottom of the page where data will be stored.

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2. The function then retrieves the values of the attributes used in the form for data collection by assigning it to a variable of the name of the attribute. Once the data is collected from the form, these values are then added to the table. Each time it adds a new role in the table by assuming that already is a ‘tbody’ element in the table. (as shown in Capture.6)



Capture.7: Screenshot of Script capturing storing data locally

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3. Once the values are being added to the table, the next part is the input values are saved to store them locally as a JSON object. Variable data is defined which stores data in element/object “myData” assuming such an element already exists and if it doesn’t, it will give an error.
4. Once the user fills up the form and clicks on submit button, the form is then refreshed or cleared as shown in above screenshot. Capture.7