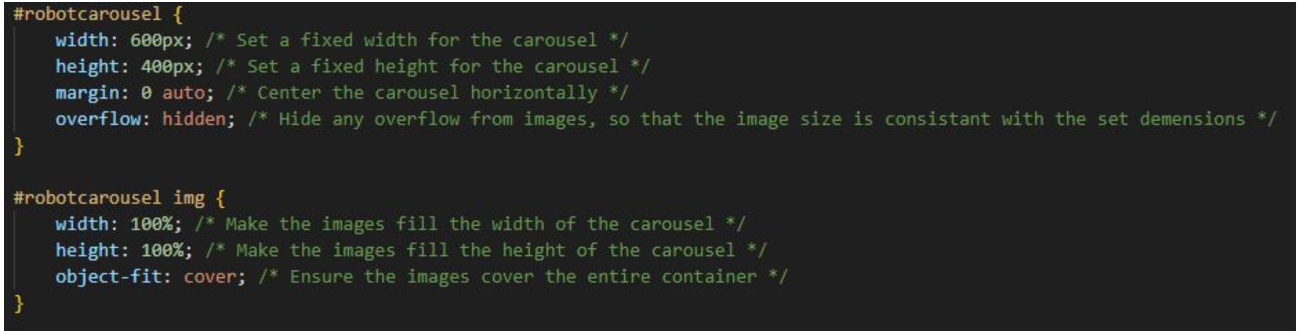
ITC 4214 Midterm

Created by: Grigorios Maltezos & Oliver Mikk

About Us Page Highlights

We wanted to have the carousel set up in a uniform way which would display the images in the same dimensions regardless of the image dimensions.



```
#robotcarousel {
    width: 600px; /* Set a fixed width for the carousel */
    height: 400px; /* Set a fixed height for the carousel */
    margin: 0 auto; /* Center the carousel horizontally */
    overflow: hidden; /* Hide any overflow from images, so that the image size is consistant with the set demensions */
}

#robotcarousel img {
    width: 100%; /* Make the images fill the width of the carousel */
    height: 100%; /* Make the images fill the height of the carousel */
    object-fit: cover; /* Ensure the images cover the entire container */
}
```

We used a class called robotcarousel with fixed dimensions for the images

We used the keyword 'overflow' set to 'hidden' which removed the parts of the image that were cut by the size

For the images inside the carousel we set the height and width to fill the div container and the 'object-fit' set to 'cover' to ensure this coverage

HTML: pattern

The pattern attribute in HTML is used for validation.

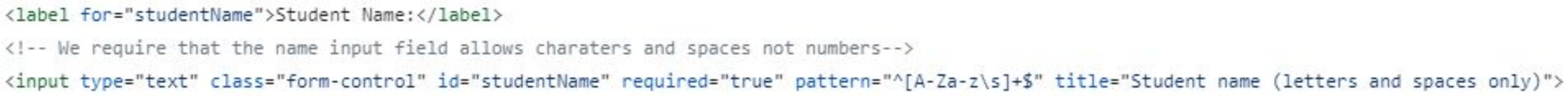
When a value in inputted in a form with a pattern attribute, the inputted value is checked against the pattern to see if it is accepted or not.

The pattern attribute has specific input types that can be used such as: text, date, search, url, tel, email and password. These specifications have specific characters that they allow or not.

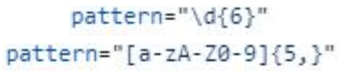
Index Page Highlights

In the index page we have three fields that take user input. We did not like how the input allowed anything to be inputted to be accepted.

First we added the ' required="true" ' attribute



```
<label for="studentName">Student Name:</label>
<!-- We require that the name input field allows charaters and spaces not numbers-->
<input type="text" class="form-control" id="studentName" required="true" pattern="^[A-Za-z\s]+$" title="Student name (letters and spaces only)">
```

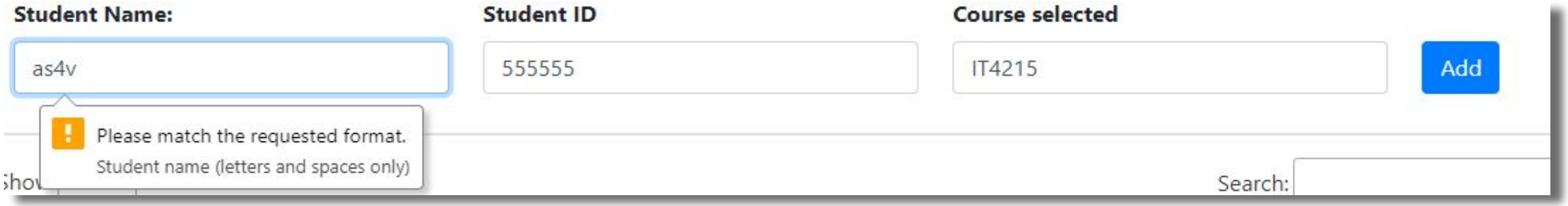


```
pattern="\d{6}"
pattern="[a-zA-Z0-9]{5,}"
```

The next thing we added to ensure proper use of these fields was the pattern attribute.
The first patten was used in the ' studentName ' field, it allows all alphabetical characters and spaces.
The next pattern requires that the ' studentID ' is 6 digits long.
The last pattern accepts characters and numbers that at least 5 chars long for the ' courseSelected ' field.

Index Page Highlights

The pattern attribute in practice:

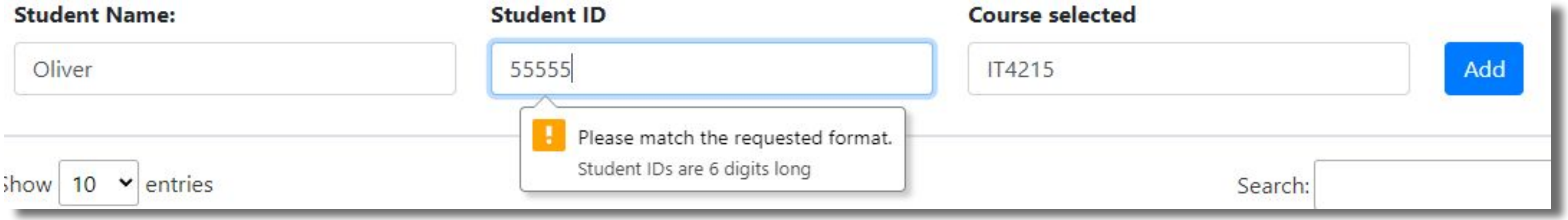


Student Name: as4v

Student ID: 555555

Course selected: IT4215

Please match the requested format.
Student name (letters and spaces only)

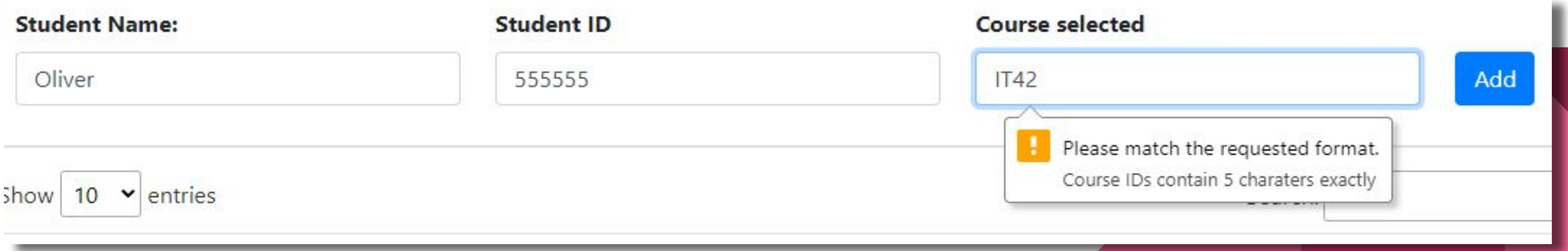


Student Name: Oliver

Student ID: 55555

Course selected: IT4215

Please match the requested format.
Student IDs are 6 digits long



Student Name: Oliver

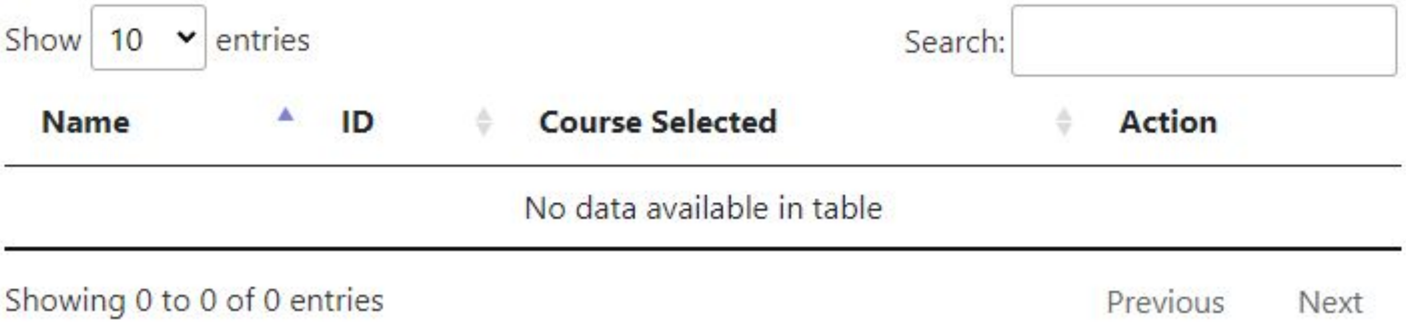
Student ID: 555555

Course selected: IT42

Please match the requested format.
Course IDs contain 5 charaters exactly

Index Page Highlights

In order to allow for the sorting and deletion of the various items, in this case student data, JQuery's DataTables plugin was used which enables us to use various features. In this case those were sorting and searching



Name	ID	Course Selected	Action
No data available in table			

Showing 0 to 0 of 0 entries

Index Page Highlights

How we manage to achieve the final result is by first initializing a data table and setting it up so it takes in our three variables as columns.

We then take our input from our three fields through form submission.

And finally we clear the table, add our new variables and re-draw the table

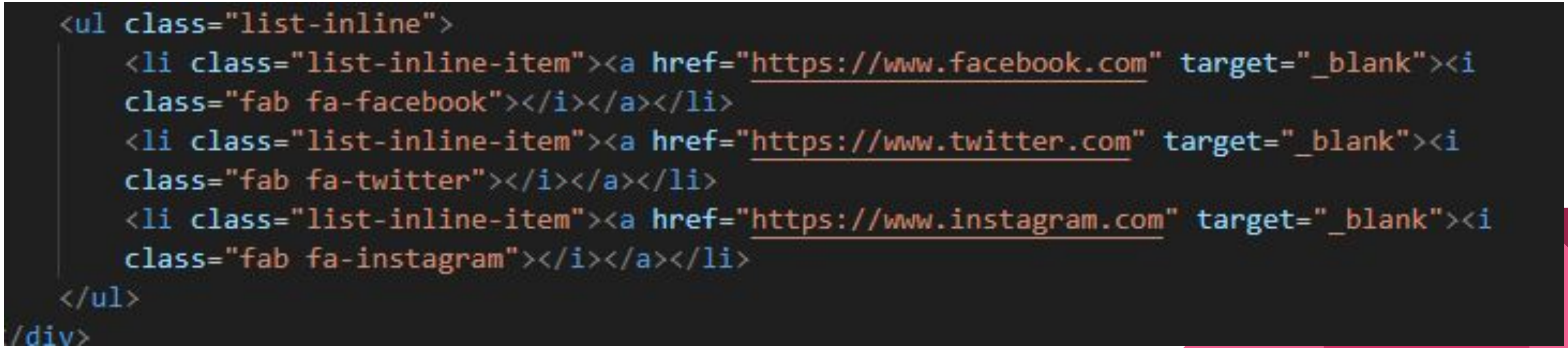
NavBar Structure

In order to have the navbar display the name of the current page on the left along with the other links next to it when the window is large enough, but have it shrink down when the window is smaller the Navbar-toggler class was used.

Footer Structure

In order to create the footer section, the same color setup as the header was used, with the slight difference of adding some additional padding and spacing to make it more visually appealing

Font Awesome was also used in order to be able to add our social media icons. It should also be noted that these links open in a new tab



```
    <ul class="list-inline">
        <li class="list-inline-item"><a href="https://www.facebook.com" target="_blank"><i
        class="fab fa-facebook"></i></a></li>
        <li class="list-inline-item"><a href="https://www.twitter.com" target="_blank"><i
        class="fab fa-twitter"></i></a></li>
        <li class="list-inline-item"><a href="https://www.instagram.com" target="_blank"><i
        class="fab fa-instagram"></i></a></li>
    </ul>
/div>
```