Data Representation
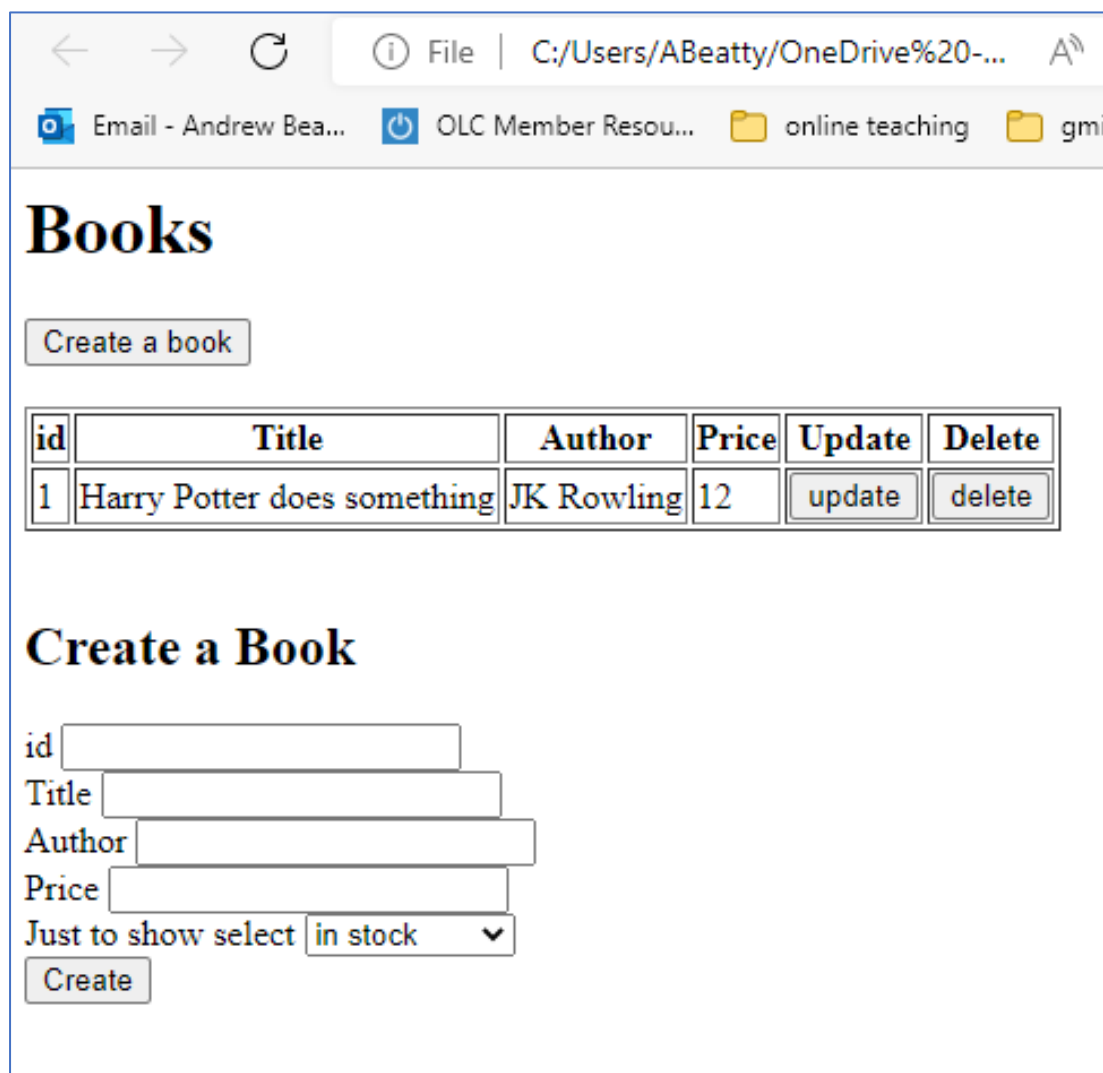# Lab 06.1: Create HTML page

Lecturer: Andrew Beatty

Create a html page that looks like this:

1. Create a web page called carviewer.html and put in the standard head and body tags. Test your code, by opening up in a web browser.

```html
<html>
    <head>
        <title>View books</title>
    </head>
    <body>

    </body>
</html>
```

2. Put a header and three <div> tags, one for each section.
   a. The create button
   b. The table
   c. The form

```html
<h1>Books</h1>
<div>create button</div>
<div>
    table
</div>
<div>
    form
</div>
```

3. Write the code for the create button (replace the text "create button" with this)

```html
<button>Create</button>
```

4. Write the code for the table,
   a. you can do just the header first,

```html
<table border="1">
        <tr>
                <th>id</th>
                <th>Title</th>
                <th>Author</th>
                <th>Price</th>
                <th>Update</th>
                <th>Delete</th>
        </tr>

</table>
```

   b. and then all each row (same html just different data)

```html
        <tr>
                <td>1</td>
                <td>Harry Potter does something</td>
                <td>JK Rowling</td>
                <td>12</td>
                <td><button>update</button></td>
                <td><button>delete</button></td>

        </tr>
```

5. Write the code for the Form <div> we won't need the form tag for this just the inputs.

```html
        id <input type="text" name="id"><br/>

        Title <input type="text" name="title"><br/>
        Author <input type="text" name="author"><br/>
        Price <input type="number" name="price"><br/>
        Just to show select <select name="status">
            <option value="instock">in stock</option>
            <option value="outstock">out of stock</option>
            <option value="other">out of print</option>
        </select><br/>
```

6. Create the two buttons, I have put these in a span tag because only one will be displayed later (when we put in functionality) "display:none" will make it hidden

```html
        <span><button>Create</button></span>

        <span><button style="display:none">Update</button></span>
```

7. And the same for the title above the form.

```
<h2>
<span>Create a</span>
<span style="display:none">Update this</span> Book
</h2>
```

Extra:

Make it look nicer by including bootstrap,

The documentation for is at https://getbootstrap.com

1. Put this "magic" line in your header (this is called CDN), cut and paste this line from here, or https://getbootstrap.com

```
<!-- CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi" crossorigin="anonymous">
```

2. Add a class attribute to the table with value "table", and take away the border="1" attribute, details about this are in the document section of bootstrap under content (I showed it in the lecture)

```
<table class="table">
```

3. You can explore how to make forms look nice here.

   You make need to add the CDNs for jQuery and JavaScript that were on the first page

We could spend the whole course looking at bootstrap, don't get too lost down this rabbit hole 😊