**Worksheet 4 – Web Design & Development – Y2 Semester 1**

We’ve now introduced Bootstrap 5 – which will allow us to develop build fully responsive prototypes.

This week we will install bootstrap – and test the various functionality it offers in terms of the grid and components. At this point we will not use forms – we will work with those next week.

As ever - make sure you save your work on the network drive

- within your existing directory structure create a directory called Lab4

- so you should have something like OneDrive/Year2/WDD/Lab4 or similar

**Task A – Install Bootstrap**

**You must complete Task A first – it ensures that you have installed Bootstrap correctly and means you have a sandpit to play in ….**

1. **Download the Bootstrap starter template**

Download and install the bootstrap starter template. Get it from the getbootstrap.com website; call this file starter-cdn.html

Review

Test your version – is it working? Is it styling something simple like the button class in Bootstrap?

<button type="button" class="btn btn-primary">Primary</button>

<button type="button" class="btn btn-secondary">Secondary</button>

<button type="button" class="btn btn-success">Success</button>

1. **Add a custom.css**

Add a custom.css file so that any changes you make are not included in the main bootstrap file. Make sure your reference this from your starter-cdn.html file.

1. **Add some of the common elements you might expect to find on a site**

This could include

* Navigation
* Buttons
* Card
* Jumbotron
* Carousel
* Pagination

..and any others you want to try…

1. **Add functionality that requires a call to Javascript/functionality**

Some features of Bootstrap require JavaScript/popper libraries.

Try to implement some of the popovers/other dynamic content available on the bootstrap site.

you have 2 options

* Include it at end of your html source wrapped in <script></script> tags
* Create a file called custom.js, copy the code into this – and reference this .js file from your html file

**Task B – Rework Schools & Clubs page into Bootstrap**

**Warning: You should not move onto this task until you have successfully completed Task A.**

Using the work that you have already done in the first 3 weeks of labs – create a new Bootstrap site with all the existing content.

* Create the main navigation, footer, etc.
* Create the home page
* Create the clubs page with 3 columns
* Create a separate page for 1 of the clubs (the soccer club). We will use this page next week to add a registration page (an online form).

This version of the ATUS website should have all of the elements in terms of SEO, page titles and page descriptions – from earlier versions. If you need to use better imagery – now is a time to try something other than placeholder images…

**Your upload for Week 4 will be Task B – the ATUS site redeveloped using Bootstrap.**