

# COMP20030

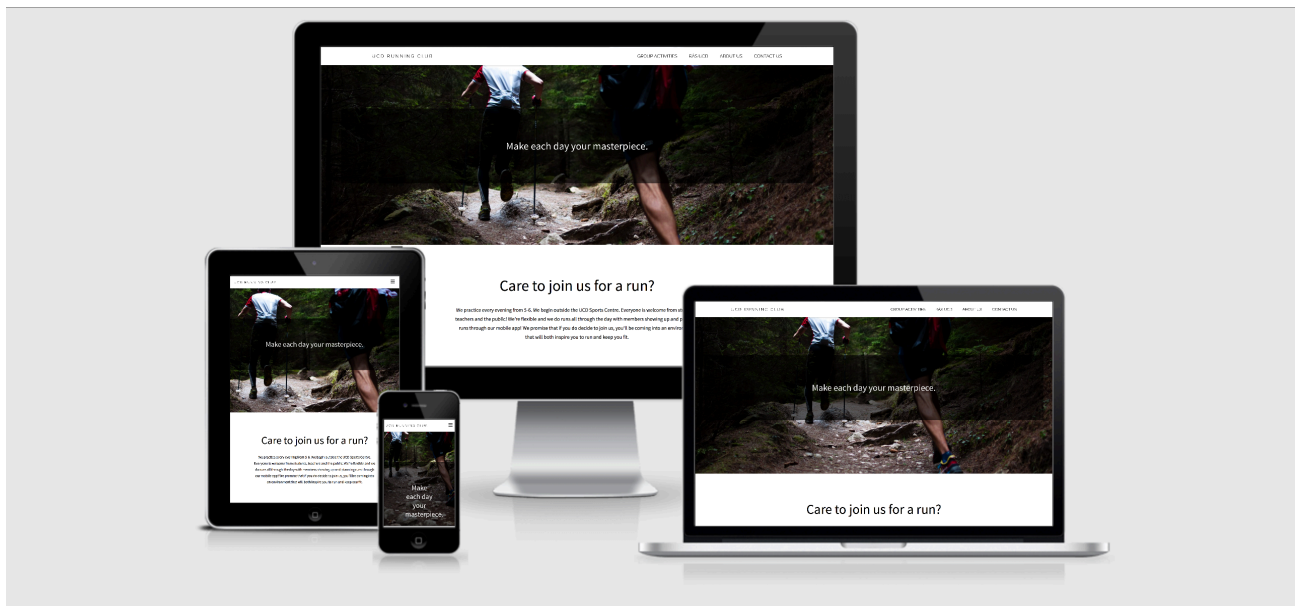
# FINAL PROJECT

24 APRIL 2017

---

## UCD RUNNING CLUB

A SIMPLE WEBSITE THAT POWERS COLOUR THROUGH A MINIMALISTIC BLACK AND WHITE DESIGN.



Royal Thomas  
16326926

## **Introduction**

I've chosen to make a website for the UCD Running Club.

## **Pages**

### 1) Home

The home page along with the rest share a black and white colour palette. The home page contains an image which I made to look "parallax" using background properties in css. It also has a map which I've inserted using Google Maps API. There is a form on the page which lets users sign up to the mailing list which uses javascript and jquery for form validation and php to add the email to a txt file. I had intended on it being added to a database but since I didn't know how I could demonstrate this on the day, I've decided to write the emails to a txt file.

### 2) Group Activities

This page contains more information about the running club and events that they organize for groups. It has a few paragraphs of information regarding the same. It also has a form to join the mailing list to get information from the club.

### 3) RAC UCD

RAC UCD is a for-charity run. It raises money for UCD Volunteers Overseas Projects. The page like others contain the general layout of the parallax style image and content below it. This page utilizes embed social to get images off a facebook album and show images that link to the album.

This page has a sign up form which lets users sign up for the run.

#### 4) About Us

This page contains a map that locates where the players gather for runs along with a small description of the club.

#### 5) Contact

This is a mailto link that sends emails to the club.

### **Technologies used**

- Visual studio code ( for coding and design )
- Google maps API ( for the map )
- ScrollReveal.JS for the scrolling effect.
- Embed Social for displaying images from a Facebook album.
- JQuery ( Form validation and to make the website responsive )
- HTML
- CSS3
- Javascript

### **Website design choices**

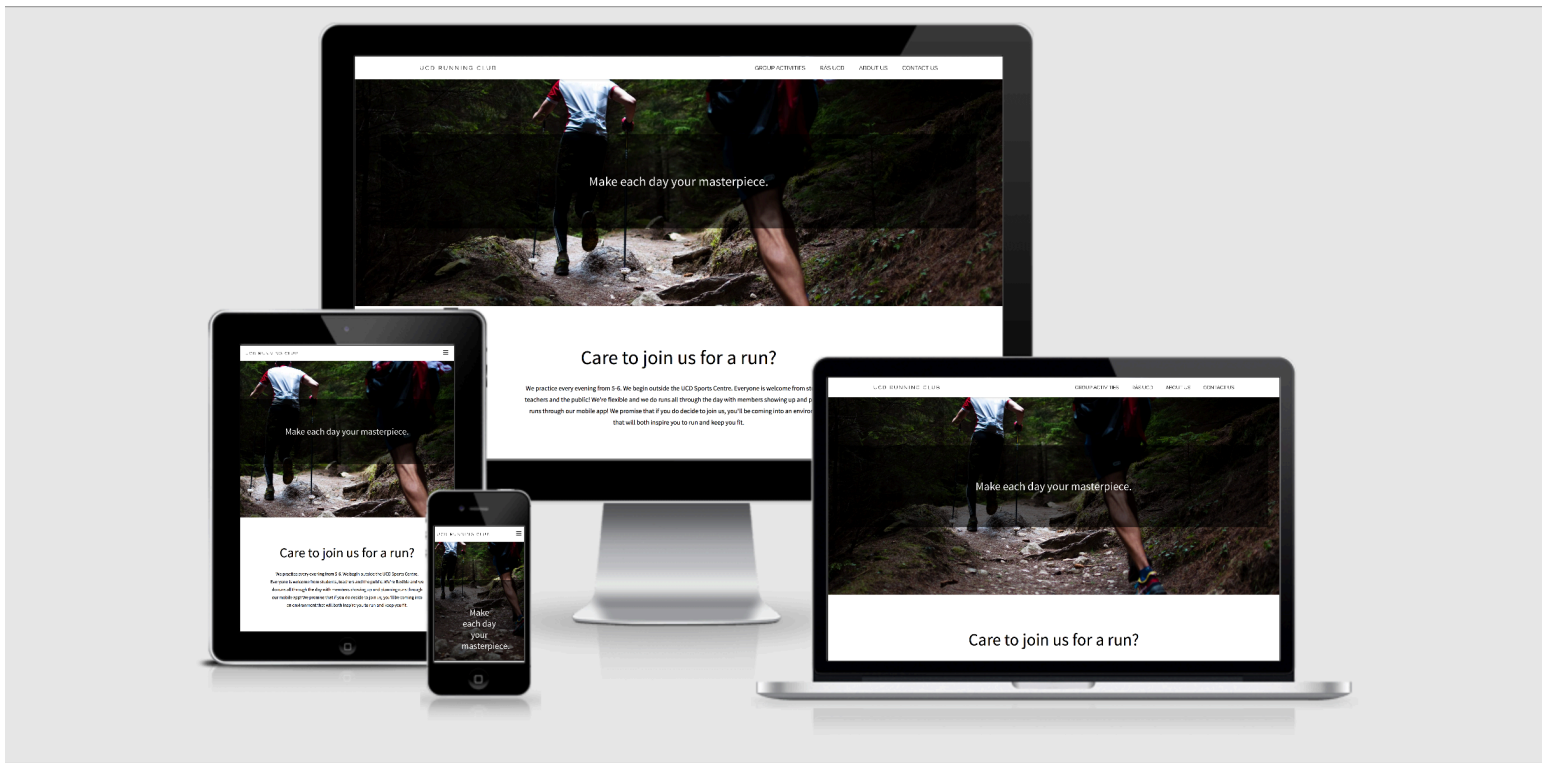
Instead of using color to allure visitors, I've decided to keep the site to a black and white color palette and let the forms and other elements capture their attention. Keeping it black and white ensured that the attention went to the elements and not towards the design as is. This made it a huge trouble to ensure that everything looked perfect and interesting as I could not hide away the abnormalities using colour.

My main goal when making this website was to keep it looking simple, and elegant but at the same time powerful. I was able to achieve this using javascript plugins such as scrollreveal.js and beautiful css3 options.

On most pages, I have included images that have a parallax effect to it. It makes the page look more powerful than it is. I did this using simple css3 background options.

```
background: url('images/group-runs.jpg');  
background-attachment: fixed;  
background-position: center;  
background-repeat: no-repeat;  
background-size: cover;
```

I made the website responsive for mobile devices using a few css tweaks along with a few lines of javascript code. I detected the browser's width to hide and show contents such as the navbar. When the browser can't display the entire navbar, I made it show a dropdown box which when clicked displays the navigation list. This utilizes css to hide and show the elements and jquery to toggle the changes based on a button click.



I used containers within divs in order to set each section's max width on the browser while the background spanned the entirely to either side.

Finally, I tested using html and css validators and they returned no errors.

When tested for speed, it had a load time of 1 second and it was reportedly faster than 75% of all other websites. This load time is due to the external javascript libraries that I've used.

The images are from unsplash and are licensed under Creative Commons Zero allowing me to do whatever I wanted with the images. The website provided me with high quality images that not only looked good but suited my niche.

I opened the images which were around 10-15mb in size in photoshop to reduce their sizes to around 80kb-400kb.

There is a live demo of the website up and running at

<http://royalthomas.me/school/>