

# User requirements document

## Overview

This project is aimed to demonstrate the basics of web development for the Visual Design and user experience module in TUD Tallaght campus, we aim to inform the user on what they can expect to do within this module.

Therefor our primary target audience is future students, and secondary targets being anyone who wants to learn the basics of web development (Client side).

Interactivity is our goal, as the best way to learn is to do, we aim to make the site as responsive as possible, with interactive examples wherever possible.

We will require the following pages: a home page, a page demonstrating the basics of HTML, a page demonstrating basic CSS, a page dedicated for some UI design tips and lasty an about us page.

## Project team

**[1] Grzegorz Maniak, X00189661**

Roles for this member,

1. Create the layout of the site
2. Create the basics such as the nav, footer, etc
3. Create Home, Tips, Html, CSS, About Us, Survey
4. Make the site appear consistent in style.
5. Add interactive aspects
6. Clean up source

## Goals

### Our aims.

Our primary goal of this project is to create a responsive, interactive, consistent experience for the end user, we want to demonstrate what the Visual Design and User Experience (VDUE) module at Technological University Dublin, Tallaght campus has to offer.

We need to have this complete for the 17<sup>th</sup> of December 2021, preferably sooner than that to allow for any bumps that may arise.

We also want to leave comments on any interesting pieces of code, so future and present students can peek at our work and see how it's done.

We need our site to be consistent, meaning every page should share a related theme, you don't want the user to be lost every time they move onto a different segment of your site, this leads into, we need our site to be user friendly, everything needs to be clearly laid out and most importantly, everything needs to be simple, from the explanations to the site navigation.

Our main focus is on the HTML, CSS and TIPS pages, as they will have some interactivity within them, we plan on having a CSS editor to allow the end user to experiment and play with some basic CSS features such as, colors, fonts, text, etc.

We plan to achieve this using JS, by using event listeners to check when the user edits the input field, then just setting the style of the output element to that of what the user has inputted, this is really easy in premise and execution, but it provides us with a really cool experience for our user.

```
const pages = {  
  'home': './index.html',  
  'tips': './tips.html',  
  'css': './css.html',  
  'html': './html.html',  
  'about us': './aboutus.html',  
  'survey': './survey.html'  
}
```

We also want to demonstrate the power of JavaScript, as it makes sites feel more alive if done correctly, or it can just end up as a buggy pile of code, it also makes the site development process easier, by creating aspects of the nav bar in JS, we can now just edit one object, and all pages get an updated nav bar (ref Image or navbar.js line 1).

And now that most sites won't even work without JavaScript (YouTube, Facebook, Instagram and most of the internet) and no-ones complaining (bar Linux users), it's a good time to learn and adopt it.

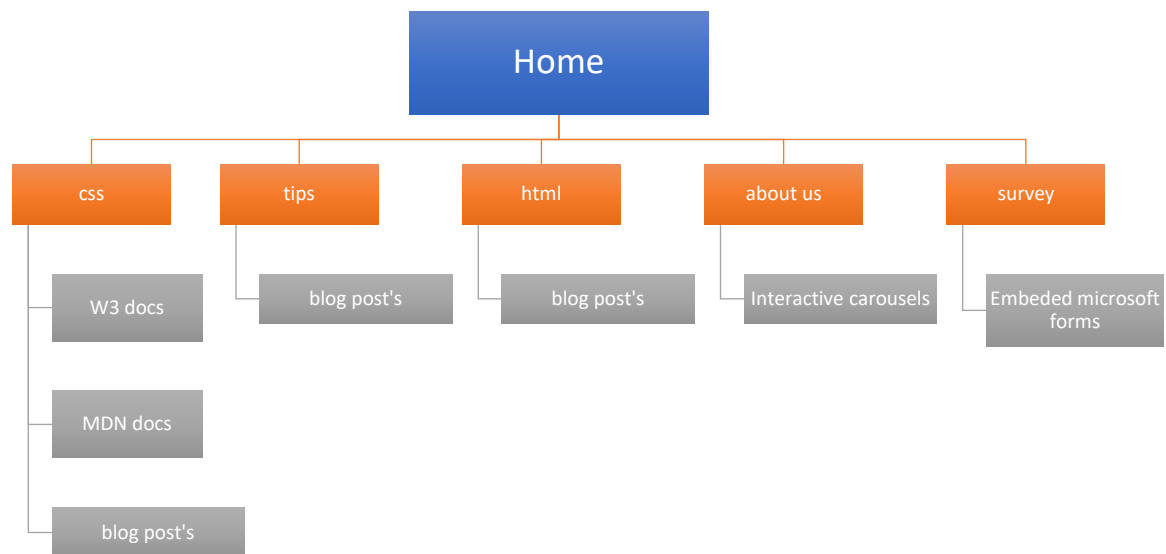
### Market research.

For the market research, we decided to perform a 'User experience survey' which we created with an aim of informing us about the users experience on our site, we will use this information to further develop and improve our site.

Some things we took away from the survey, A lot of people enjoyed the interactive elements of the site, such as the interactive CSS editor, which a lot of surveyees stated that it helped them understand some aspects of CSS.

A lot of people stated that they have very little to no experience with writing CSS / HTML, but a lot of people stated that they are willing to learn more, and that they find this module interesting.

## Content structure



## Home

- Simple and short description about the site
- A nice landing graphic
- An easy way for users to explore the rest of the site

## Tips

- **On this page we want to focus on helping people make better sites**
- Examples of Consistency, Basic user design principles, etc.
- We need to provide snappy, short and well explained points

## HTML

- On this page we want to focus on teaching the basics of HTML
- Provide some interactive examples of some basic Tags such as H1-H6
- Show 2 ways of adding Images
- Show how to add text to your site
- Add examples the user can directly copy and paste

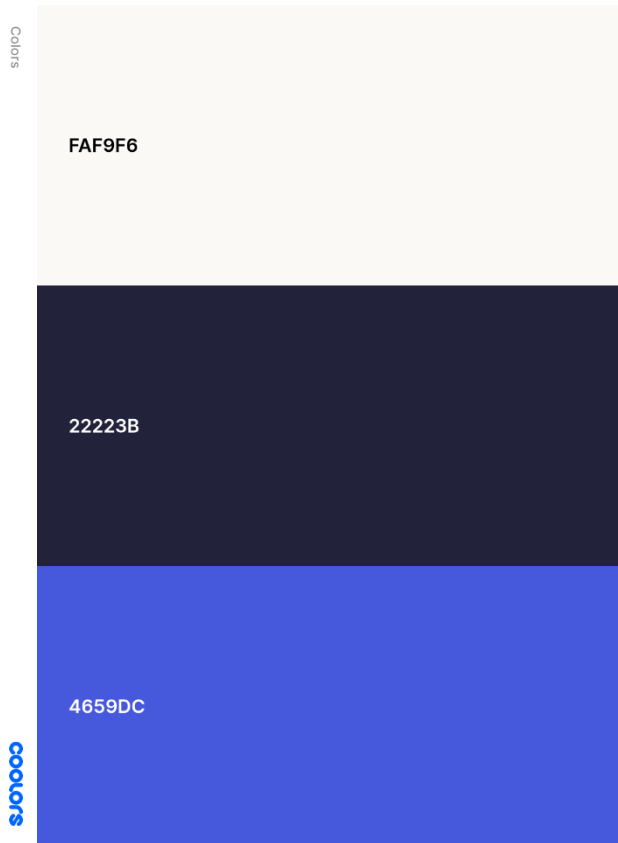
## CSS

- On this page we want to focus on teaching the basics of CSS
- Teach the user the basics of CSS selectors
- Add a CSS editor for any examples that will benefit from it
- Add examples the user can directly copy and paste

## About us

- On this page, we just wanted to demonstrate the use of JS by the use of the carousel
- Inform the user of the site's creators

## Design



We wanted to keep the overall design of the site simple and informative, we achieved that by not using any strange colours or design choices.

We decided on a blueish-white theme, with a nice pastel white color, these colors really pop together and look really nice.

To further this, we used Media queries to scale the website accordingly to suite every device that the user might visit on, no matter on its height or width, We made sure that the main navigation bar scales with the device, it turns into a Hamburger menu once the page links can't fit comfortably in the nav bar.

As for CSS rules, there's too many to count, but we tried to make sure that the site is responsive, that everything gives off visual cues.

As for branding, we went with a simple 'type' logo using the font Montserrat, the best font

in the world.

## Accessibility

We made sure that our site was accessible to any user, no matter their disability, e.g. vision, we used the font Montserrat which is a really clean type face, we also made sure to use large headings and paragraphs.

We made sure that our site doesn't use harsh colors, such as bright reds or yellows. we also made sure that all text on the site is put on a white background for easy readability.

All pages scale to work on any device, and the user can zoom in if needed.

## Browser and device support

We made sure that every page is responsive on every device, we also made sure the site works on all modern browsers.

### Engines we test

- Gecko (Firefox)
- WebKit (Old Chrome, Microsoft Edge, Safari)
- Blink (New Chrome)

### Device

- Mobile phones
- Tablets
- Desktops
- Ultra-wide displays