Development Section

# Ideas for the project

The idea of making a website has always been in my head. I find them really mysterious, but interesting at the same time, which it makes it the perfect topic to do an EPQ on it. When deciding about the type of website that I was going to build, I thought about different ideas and topics that would be both easy and relatable to me as a student, such as:

* A website with simple games created by me. This idea was scrapped due to how time consuming it could have been.
* A website/online-shop that advertised on-demand products that are being sold in amazon or eBay. I decided not to proceed with this idea as I don’t know how to manipulate API’s at this level.
* A website with revision material for GCSE students. I went for this choice as it is something that I know a lot about and it’s highly relatable to me.

# Choice of Programming Languages

One of the most integral aspects of web development is web programming that is achieved with the help of programming languages. Web development languages are the platforms through which instructions are communicated to a machine and actions are pursued. The main programming languages that I chose to create my program are:

* HTML - this is the scripting language of the web used to define structure of a website.
* CSS - this is the design and layout language used on the web to turn your website from an empty frame into something pretty and well laid out.
* JavaScript/ jQuery - this adds animations, or improved user experience elements to your website. Sliders, menu navigation, animations, etc will require JavaScript. You can also use jQuery which is a library built on top of JavaScript to make a few things easier.
* Bootstrap - is a framework to help you design websites faster and easier. It includes HTML and CSS based design templates for buttons, navigation, image carousels, etc. It also gives you support for JavaScript plugins.

# Choice of the Text Editor

Choosing a good text editor makes a big difference on many parts of the project, such as: efficiency when writing code, compatibility of the program and make programming easier by autocompleting repeating code. This are some of the text editors that are famous for their quality and performance:

* Sublime-Text: Its interface is friendly, so it is easy to use, it has a very good number of keyboard shortcuts that allows me to quickly access any program complement or perform any operation. This helps programmers to be more efficient when writing code.
* Atom: atom is a free to use text editor that’s very beginner friendly. It has a lot of features that help users to write code such as integrated Developer Tools and Ui that’s easy to customize. This text editor is also well connected to GitHub, the platform that I use in order to organise myself when doing computer science project.

For this project I chose to use Atom as my preferred text editor as it proves to be very useful and reliable when writing code, but also very easy to use.

# Ideas for the name of the Website

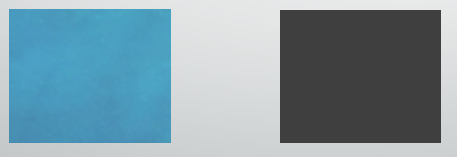
When choosing a website name, a business has to be very careful by what the name represents, as they won’t be able to change it in the future. The name of the website is also required to be simple and good looking, so when a user sees it in another website, he/she will be incited to click on the link.

As the website is based on GCSE revision and is focused to young audiences, it means that the name of the website must contain some words that are familiar to teens. I chose this approach as younger audiences are usually more attracted to things that they find relatable.

Some of the names that I came up with were:

* MasterGCSE: I considered this name inappropriate for the website as it was both too long and not very relatable to the target audience
* RevSite: It was a name combined from a mixture of ‘Revision’ and ‘Site’.
* StudySesh: It’s a combination of the words ‘Study’ and ‘Sesh’ (sesh is an abbreviation of the word session). This name is very concise and uses language that is common between teenagers, which makes it more relatable.

# Choice of the website’s base colours

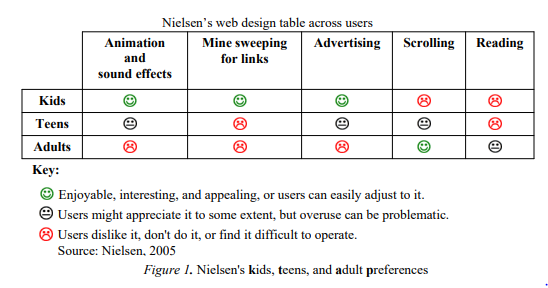


As mentioned in my ‘Website project brief’ under the exemplar websites topics, the main colours that I was aiming to use in this website would be predominantly whiter colours, as they are associated with a modern look. I also added other colours such as blue and black, so the website wouldn’t look too simple. A small mix of colours also adds a sense of variety that users can associate with. When combining them, I also had to make sure that they weren’t obstructing colour-blind users from navigating the page, as the user experience is of great importance for the success of a website.

# Choice for the main font of the website.

# Content requirements

The content is the heart of a website. For the page to be successful it needs content that is up to standards and attracts the audience that you are targeting. Through research I concluded that the content of my website must follow these rules:

* The content has to appeal to teenagers.
* The website should have a low amount of text for the user to read.
* It should contain animations and special effects.
* Advertising is allowed but should be kept to a minimum.

By meeting these requirements, I’m adapting the website to the audience demands.

# Choice of images for the Homepage

# Choice of images for the Materials Page

# Choice of images for the About us page

# Where did I get the content from?

# Logo of the website

# Carousel image choice