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|  | | **School of Creative and Digital Industries** | | |
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| **Web Development: CW1** | | | | |
| **Module Title:** | Web Development | | **Module Code:** | CO456WBL |
| **Assignment No/Title:** | CW1 | | **Assessment Weighting:** | 100% |
| **M****odule Tutor(s):** | Justin Cross | |  |  |
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| **Student Course:** | Digital and Technology Solutions Professional (degree apprenticeship) | | | |

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## 1. My Design:

The first step to designing this website was thinking of what I wanted to make, and after a brainstorming session I decided to make a quiz site. This site would be targeted at people who wanted to test their knowledge or didn’t know what else to do with their time. My first thought was to add ads to the site to make it look like every other quiz site on the internet, which I then did. I also created site colours taking inspiration from other websites I noticed that most had very little colours and that they were quite soft, so I decided on black, white, light blue and dark blue which look very nice together. After I figured out all what I needed I created wireframes for the website (See Appendix 1) which further helped me to develop the website. As for the end result, I decided to go with light blue for a lot of the text with a white background, black for any page titles and dark blue for buttons as seen in the appendix (See Appendix 4). I had a navigation bar connecting all the pages together and have given all of the pages the same spacing and general layout to make it feel consistent. To help with accessibility I also made the site able to shrink without losing any functionality if the user has a small screen using CSS.

* Entertain people with interesting quizzes as well as make money from the ads. Target audience = anyone with an interest in the quiz topics and anyone who is bored and wants something to do. Link to wireframe appendix and picture of the hierarchy
* Overview of website design (colours and layout) then link to web page appendix that has more specific design descriptions
* Make notes on wireframe appendix for placement and design positions

## 2. My Evaluation (1000 words)

Evaluate your presented website. What works, what doesn’t. What you would like to add or develop further on it.

All coding for the website to be submitted in the Appendix.

Please refer to the full CW1 Assignment Brief in the Blackboard module area under Assignments, so that you know what needs to be included for this task.

In the website I created there where a multitude of things that both worked and didn’t work as well as I had hoped. Of the things that worked, my personal favourite was the trolley problem. In this I used a mixture of HTML, CSS and java script to create four scenarios in which there was a trolley and two rows of people. If the user pressed the lever, then the trolley switched positions (the java script changed the CSS to the new position) and the number of times the lever was pulled was recorded to a Java script object inside an object ladled after the id of the simulation. Once the simulation is run (by pressing another button) then the trolley is animated to move and once it reaches a certain point all of the people on the trolley’s row turn red and the number that where killed is recorded in the simulation’s object. At the end of the page is a large button that you can press to get results which then uses the Java script to determine based on the number of lever pulls for each and the number killed, which output best describes you.

What didn’t work as well was the navigation bar becoming thick and taking up a lot of space at the top when the page’s width is small (such as on a mobile device). I tried to add a button using bootstrap that would expand the navigation bar when the page was thin, but I couldn’t get it to work in time, luckily you can just scroll past it without impacting the user experience.

While creating the website I noticed that there was a lot of empty space on the right-hand side of the screen, if I had more time to develop the website, I would put a custom pattern on the right to fill in the blanks and make the website look nicer. I would have also liked to improve how the spacing worked on the page, but I didn’t get enough time to fully perfect it and had to settle on what it currently is. The last thing I would have liked to improve upon are the videos in the TV show quiz. While they have the nice, rounded corners, don’t have the information that appears when you pause the video and stop and start in set places, they still have the title and other information in the video box. Originally, I had found a way around this however when I looked at the iframe HTML tag box it said that that feature was no longer used which was disappointing.

## 3. My Reflections (500 words)

Review your progress through the assignment. Would you do it the same way again? What lessons did you learn?

Which KSBs from your apprenticeship standard has this module helped you develop and/or evidence?

Please refer to the full CW1 Assignment Brief in the Blackboard module area under Assignments, so that you know what needs to be included for this task.

<https://www.instituteforapprenticeships.org/apprenticeship-standards/digital-and-technology-solutions-professional-v1-2?option=All&view=standard>

## References

## Appendix 1 – Wireframes

Home page (QuizMaster)

A screenshot of a computer

Description automatically generated

Music Quiz

A screenshot of a computer

Description automatically generatedA graph paper with a grid

Description automatically generated

Location Quiz

A screenshot of a computer

Description automatically generatedA computer screen shot of a computer screen

Description automatically generated

TV Show Quiz

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

Trolley ProblemA screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedA screen shot of a screen

Description automatically generatedA screenshot of a computer

Description automatically generated

Remove Ads

A screenshot of a computer

Description automatically generated

## Appendix 2 – Website Code (inc. HTML, CSS & JavaScript)

Please copy and paste your website code here – CSS Style Sheet at the end

Please refer to the full CW1 Assignment Brief in the Blackboard module area under Assignments, plus your class presentations, so that you know what needs to be included for this task.

## Appendix 3 – Supporting Links

Link to video demonstration:

Live website (e.g., on intweb or GitHub Pages):

GitHub repo (if applicable):

**Appendix 4 – Website Pages**