

Task 1.2 Javascripts Website

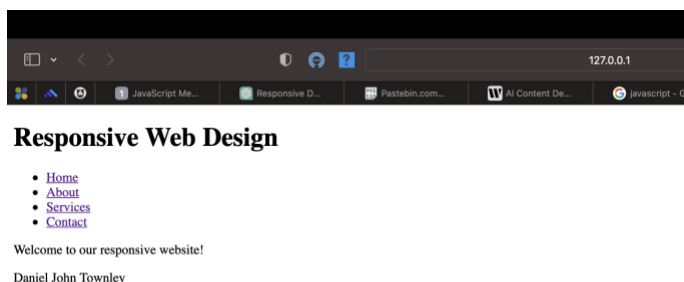
What is a responsive web design?

Responsive Web Design is an approach to designing and coding websites in a way that allows for optimal viewing and interaction experiences across a range of devices including screen size, phones tablets and computers. The main principle of RD is to create a flexible layout and adapt content to different screen dimensions, ensuring readability, user-friendliness and efficient navigation regardless on the device which is used. Responsive web design is important for many reasons. Firstly to enhance the. Users experience, leading to higher engagement on the platform and decreased bounce rates. Secondly, it simplifies the website maintenance as there is only on version of the site to update and manage. Additionally, responsive design has become a ranking factor in search engines, improving a sites visibility and performance. Overall, it is important for a website to ensure they have a responsive web design to remain accessible, usable and open to a wide range of users, fostering inclusivity and adaptability for the website.

How is a responsive website design implemented?

In order to implement a responsive web design with HTML you can use a nice website structure and flexible layout technique when making the website. For my sample, I have added a usability function which later on will allow the user to click the link and be taken either to that page of the website, or to be taken to a certain height of the website to view the information they are after immediately. Utilizing relative units like percentage / margins and ems for sizing elements will allow me to find a flexible and fluid layout to my webpages. I will adjust my styles and fonts and colours as I find necessary to ensure the user has a great experience viewing my website. Also, ensuring my code is neat and organises contributes to the effect this will have on my ability to create a more responsive website for the user.

Here is my sample html page of a progressing responsive web design



Reflection

Whilst completing these tasks, I have learned how importance of responsive web design in creating a user friendly and easily accessible website across various devices. It involves using html and java and flexible layers and adaptive content to allow for easy use. Additionally I explored various javascript concepts and methods for the very first time, which enabled a dynamic and interactive functionality on webpages. Understanding these concepts allowed me to enhance my engaging and responsive web experience and I appreciate the task!

Deakin Air link screen recording Java concepts website.

https://video.deakin.edu.au/media/t/1_37oh2yh8

Deakin Air link screen recording Responsive website.

https://video.deakin.edu.au/media/t/1_2qrixdk

Repository link:

<https://github.com/DanielTownleyyy/SIT120>