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Topic: A celebrity (or fictional character)

Cristiano Ronaldo

Footballer

Overview Project

For my Capstone project, I choose a topic about a celebrity, which is a well-known Footballer called Cristiano Ronaldo. My website consists of 4 pages based on introduction (home page), career (career page), Net Worth (net worth page) and lastly Achievements (achievements page).

By using basic HTML and CSS, each page has a consistent layout with a fixed header, navigation section within the header, centered content in an 80% width <div>, and structured sections with classes and IDs. I made use of jQuery and JavaScript to make things more interactive.

Tools and Techniques used and their functionality

1.HTML = HTML is the common basic technique used in web development. I used HTML for writing content on 4 pages about the life of footballer Cristiano Ronaldo. Headings, implementation of the sections, headers and footers, all structured using HTML. Lastly, I used HTML to include tables of information where necessary

2.CSS = I used CSS for styling and designing the pages so they can look attractive to users. I formatted all the classes and IDs using CSS. Also, for media queries, I used CSS techniques to format media for printing and to cater for mobile cellphones. Generally, I used it for making all 4 pages look good, arranging them, and formatting forms and tables.

3.JavaScript = I used JavaScript to manipulate the forms. Specifically, the elements like, text area, name input and also Email input. For Form validation and basic logic. I used built-in functions like getElementById to get the IDs, their values to manipulate them. In conclusion JavaScript came in handy when I was dealing with a form under net worth page

4.jQuery = jQuery is used when an action is performed on the page. I used jQuery to perform manipulation on elements when elements like buttons are clicked, text() functions to change or manipulate certain texts data. I applied jQuery on both the Form under net Worth and Achievements page.

Challenges I faced

1. Fixed Header Causing Layout Break
   When I added position: fixed to the header, it overlapped the content.

I fixed this by adding top padding on the <body> and making sure the header matched the container width

2. Script Errors on pages without Form.
   Since the same script.js runs on every page, it crashed on pages without the scholarship form.
   I learned to check if an element exists (if (form !==null)) before attaching event listeners.

3. jQuery not working on Achievements.html file.
   I struggled to get jQuery effects (slideDown and slideUp) to work on the page
   The problem was caused by accidents including two jQuery libraries which I think cause conflict, linking jQuery after script.js instead of before, and forgetting to wrap the jQuery code inside $(document).ready().

4. Mobile cellphone and print media
   I wasn't sure how to make my layout adapt to phones because this technique has been one technique that I struggle to use even in practical.

   I asked my friend Tukelo Letsebe (s224013580) to help me to understand how this technique works and how implement it. After testing using browser tools, I added @media screen and (max 600px) and @media print to apply correct layout and visibility changes for each case.

   I learned that you don't just create media with just any sizing, you need to create media that cater for all your classes and elements, and pictures if visible. You need to consider your classes and adjust media size based on the sizes of your classes

5. Position Layout
   I was not and I am still not accurate on positioning elements. I tried many times, even w3schools, to position my FullName input and label so that it does not overlap with header section when scrolling down/up. I am still failing at that. The form, Scholarship, has some issues especially the FullName input and label. I tried fixing it I still couldn't come up with a solution.