Miniproject report

Semantic Markup

Semantic markup is a way of writing and structuring your HTML (Hypertext Markup Language) so that it reinforces the semantics and the meaning of the content rather than its appearance and makes it much easier to read and maintain so it helps me apply CSS and JS to my HTML easily. For example, for my navbar I used <header> with a nested <nav> and a <footer> for my contact details which was shared across all my webpages.

A screenshot of a computer

Description automatically generated with medium confidence

Text

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I also made use of the <section> element in each page and in the <section> I nested <aside>, <article>, <div>, <table> and <figure> etc. For example, in my main page I used 6 semantic elements which was <header>, <nav> and <footer> and a <section> with a <figure> and <aside>. For my education page I had many divs in my <section> to separate the information and used <hr> to make it look more sophisticated. For my portfolio I had a <section> with a <table> in it and in the table 4 divs in 4 cells(<td>) and they contained a figure (project images) and paragraphs explaining what I did for each project. For the skills page it was a <section> with two nested divs. For my blog page I had an <aside> and <article> in the section and for the add blog form page I had a <section> with a <div> nested in it.

About me:A picture containing text

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Education and experience:

Text

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Portfolio:

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Add blog form:

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Skills and achievement:

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Blog:

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Web Technologies/Frameworks:

If I had the chance to do the project again, I would use different web technologies to make the process of the development more efficient and smoother, therefore adding more new features.

For example, I would use bootstrap with CSS because bootstrap is more responsive compared to CSS for example the navbar falls into a burger menu, so it is more friendly for mobile users while my website layout is compressed when you reduce the window size. Therefore, mobile users will not have a smooth and appealing experience when using my site. Bootstrap also has multiple JavaScript plugins which makes the experience of drop-down menus smoother and templates you could use which could make it more appealing to different users and make the process of designing your website more efficient.

For the blogs I would have implemented Content Management Systems (CMS) like WordPress since they have widgets and number of skins and plugins to use so it is a good choice for blogs and content-oriented websites. It also is more friendly to people at a beginning level at code since it makes coding and debugging easier. Also, the plugins would help designing your website more efficiently so you would have more time to focus on more functional parts of your website and would help you finish the website more quickly.