CS2511 Assignment

Overview:

1. Take an existing website, analyse its usability and accessibility, and design an improved version which addressed the issues identified in your analysis.

2. Create a functioning prototype which demonstrates at least one of the improvements you have proposed in your re-design.

You should:

- Choose an existing website which allows users to perform a task, e.g.:
    - o an eCommerce site
    - o a planning tool
    - o an online calculator
    - o an interactive guide
    - o a social media or similar site that allows uploading/sorting/formatting of media, etc.

    ... but NOT a site that merely presents information

- Assess the usability and accessibility of the site

- Develop an improved design

- Build a functioning prototype which demonstrates at least one of the improvements you have proposed in your re-design.

In your assessment of the existing website, you should consider issues such as:

- Who the site is aimed at, and how successfully you think it appeals to and meets the needs of the target audience

- How much demand it places on short-term memory

- What interaction styles are used? Are they appropriate?

- How easy is it navigate around the page and find information/features?

- Is the site easy to learn to use, and once learned, to remember?

- Are all the interaction widgets clearly labelled? Are they appropriate for their purposes?

- How accessible is the site? Could it be used by someone who is (e.g.) blind?

- How good is the site in terms of:
    - o consistency
    - o tolerance of errors
    - o feedback and visibility
    - o etc.

The deliverables will be:

- A written report, of around 2000 words, in PDF format, containing:
  - your assessment of the original site's usability, accessibility, etc.
  - a description of your proposed re-design
  - an explanation of how your re-design addresses the issues identified in your assessment
- The functioning prototype.

Marks will be awarded for the following:

- Inclusion of all the required elements, as specified above.
  - Do not include features in the mock-up that are not relevant to your re-design (such as splash screens, audio, video, etc.) - they will not attract extra marks and may LOSE you marks
- The prototype should:
  - be written using Dynamic HTML (HTML, CSS and JavaScript) and, where appropriate, JavaScript libraries (such as JQuery).
  - should function correctly on commonly-used browsers (such as Firefox, Chrome, and Internet Explorer/Edge)
  - be well designed, both with regard to coding and appearance.

The assignment should be submitted not later than 5pm Friday 23rd April.

Submission will be via Canvas. A link with submission instructions will be activated a few days before the submission is due.