
SCHOOL OF ENGINEERING AND TECHNOLOGY

ACADEMIC SESSION AUGUST 2022;

WEB1201 WEB FUNDAMENTALS

DEADLINE: 25TH November 2022 (FRIDAY), 5:00 PM

STUDENT NAME: _____

NRIC/PASSPORT NO: _____

INSTRUCTIONS TO CANDIDATES

- This final assessment will contribute 50% to your final grade.
- This is an individual assignment.

IMPORTANT

The University requires students to adhere to submission deadlines for any form of assessment. Penalties are applied in relation to unauthorized late submission of work. Coursework submitted after the deadline will be subjected to the prevailing academic regulations. Please check your respective programme handbook.

Academic Honesty Acknowledgement

"I(Name) verify that this paper contains entirely our own work. I have not consulted with any outside person or materials other than what was specified (an interviewee, for example) in the assignment or the syllabus requirements. Further, I have not copied or inadvertently copied ideas, sentences, or paragraphs from another student. We realize the penalties (*refer to the student handbook diploma and undergraduate programme*) for any kind of copying or collaboration on any assignment."

..... (Student's Signature / Date)

Individual Web Project: HTML, CSS, and JavaScript

1. Introduction

Open topic project:- you are required to develop a website of your choice from one of the categories below:

- 1) E-Commerce
 - To promotes products, or
 - Product marketplace (B2C)
- 2) Educational
 - Information dissemination
 - Awareness creation

Note

You are only to use your own CSS, HTML and JavaScript. You are not to import any HTML, CSS, or JavaScript – this includes frameworks. Failure to adhere to this instruction will result in no marks being awarded.

2. Deliverables

- a) A responsive website that is created using HTML, CSS, and JavaScript. You must include the following in your website. The weightage of the website is 40%.
 - i. Website design and layout using HTML. Use CSS for website styling and colours.
 - ii. The usability of the website such as labels, textboxes, dropdown lists, buttons, links and navigations.
 - iii. You may also include some HTML tables and multimedia objects on the website.
 - iv. A form that can be used to contact you (you can put this into the contact us page). You have to validate the form by using JavaScript. You can decide how the errors should be displayed to the user.
 - v. A sign-up function and a log in function. You can decide how to show that a user has successfully login.
 - vi. Has no issues with scaling or layout on different viewport sizes.
- You may create a database to store the information collected from users.
- You only have to include the functionalities mentioned above. The rest are not necessary, and you can leave them as dummy fields or dummy buttons. For example, you can include a dummy search bar into your website if you think it is necessary, but you are not required to implement the search function. If you are working on an e-commerce website, you are also not required to complete the add to shopping cart function and the function to calculate total price (but the relevant pages must be there).
- You may consider publishing your website online.

- b) A report that covers the following. The weightage of the report is 40%.
- Introduction of your project. Gives an overview of the project, rationale behind the creation of this website, and the requirements.
 - Implementation details of the website and justification of the approaches.
 - Test cases and test results.
- c) A 5 minutes video presentation that covers the following. The weightage of the presentation is 20%.
- To show the layout under different viewport sizes.
 - To show if all the features and links work as intended.

3. Evaluation Criteria

a) Website

Criteria	Unsatisfactory	Satisfactory	Good	Exceptional
Functionality (JavaScript)- 20%	≥ 40% of the functions / features do not work as intended.	< 40% of the functions / features do not work as intended.	< 20% of the functions / features do not work as intended.	All the functions / features work as intended.
Design (HTML + CSS) – 20%	Poorly thought-out design. Design is inconsistent throughout the website. Has issues with scaling or layout on different viewport sizes. Implemented <60% of the proposed website design.	Adequately thought-out design. Design is somewhat consistent throughout the website. With some issues with scaling or layout on different viewport sizes. Implemented about 70% of the proposed website design.	Well thought-out design. Design is mostly consistent throughout the website. With one or two issues with scaling or layout on different viewport sizes. Implemented about 80% of the proposed website design.	Excellent thought-out design. Design is consistent throughout the website. Has no issues with scaling or layout. Implemented about 90% of the proposed website design.

Colour (CSS)- 5%	No thought given into the colour scheme.	Some thought given to the colour scheme, but it does not fit well with the theme of the website.	Some thought given to the colour scheme. It somewhat fits well with the theme of the website and complements some other elements (e.g. logo).	Well-chosen colours that fits the theme of the website, complements all other elements (e.g. logo) and maintains or improves usability.
Usability (HTML)- 20%	Element placement make it hard to use (especially with different viewports). Buttons and links are not well placed or defined.	Element placements could be improved. Some buttons and links are fairly well placed and defined (either by some kind of style or colour).	Placement of different elements make it easy to use. With one or two minor issues but does not affect the usability. Most of the buttons and links are easy to locate and follow	Placement of different elements on the page make it easy to use. All buttons and links are easy to locate and follow with no ambiguity as to what they do or lead to.
Content – 5%	Content is irrelevant to the purpose of the website. Data quality is questionable. Quantity is limited.	Content is somewhat irrelevant to the purpose of the website with some spurious content. Data quality and quantity are adequate.	Content is relevant to the purpose of the website with some spurious content. Data quality and quantity are adequate.	Content is relevant and irrelevant content is almost non-existent. Data quality is unquestioned and provides excellent coverage.
Links (HTML)- 5%	>10% of the links do not work.	≤ 10% of the links do not work.	≤5% of the links do not work.	All links on the website are working.
Table, forms, and multimedia objects. (HTML)- 20%	No table, forms, and multimedia objects.	Sites contains table, but no forms and multimedia objects.	Sites contains table and forms, but no multimedia objects.	Sites contains table and forms, and multimedia objects.

Web publishing-5%	No publishing.	Publish the website in localhost.	Publish the website online without database.	Publish the website online with database, and multimedia objects.
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b) Report and Video Presentation

Criteria	Unsatisfactory	Satisfactory	Good	Exceptional
Introduction – 20%	Provides a poor overview of what the project is about. Sounds like nothing more than a repeat of what is said in the assignment sheet. Work is not justified at all. No requirements stated or requirements are too general and not sufficiently clear for another person to implement the same project.	Provides an adequate overview of the project with some aims and objectives. Work is somewhat justified but either weak, unsubstantiated or anecdotal in nature. The requirements are somewhat stated but not clear and the wordings can be ambiguous.	Provides a good overview of the project with some aims and objectives. Work is moderately justified. The requirements are stated but could be improved.	An excellent overview of the project with clear aims and objectives. Set a clear stage and justification of what the project is going to achieve. Work is well justified with evidence supporting statements and claims. The requirements of website are clearly stated.
Layout Design – 30%	Layouts are not clearly shown nor justified. Work appears to be done hurriedly.	A layout is shown and adequately justified. Work appears to have some thought-out into it.	A layout is shown and justified. Work appears to have some good thought-out into it	A clear revision is shown in the storyboard. Layouts are clearly shown and justified.

Implementation and Results -40%	The implementation is poorly described and can be repetitive. No or poor justification given for the approach(es).	The implementation is adequately described. Few redundancies and some justifications are given for the approach(es).	The implementation is well described and justified but with some redundancies.	The implementation is concisely described with the justification for the approach(es).
Formatting -5%	The format is inconsistent. Fonts and spacing can change within the document without any reason. Page numbering is incorrect. Margins and alignments are wrong.	The format is consistent. With some odd fonts and spacing within the document. Page numbering, margin, and alignments mostly correct.	The format is consistent. No odd fonts and spacing changes within the document. Any change of style is purposeful. Page numbering, margin, and alignments are correct with some minor errors.	Consistent formatting with no errors.
References -5%	References improperly cited.	Some errors in referencing.	Minor errors in referencing.	No errors in referencing.

4. Submission

A submission link will be created one week before the deadline (25 November 2022, 5 pm) on eLearn. You are required to submit all the deliverables (or files) to eLearn.

5. Report Format

- Single Column
- Single Spacing
- Times New Roman, 12-Points