

The University of Technology, Jamaica
School of Computing and Information Technology

Web Programming (CIT2011)

Semester1 AY 24-25

Individual Assignment #2

Due: Week of October 14th 2024

Total Marks: 100

What to do?

- Using vanilla HTML, CSS, and JavaScript to build a dynamic website based on the following instructions.
- You are to conceptualize a for profit business and then build an e-commerce website based on that business idea. **This business idea must be communicated to your tutor before starting the project so that he/she can validate the concept, and that replication is not present among others.**

The website should have the following content amongst other things:-

- **Login Form** – include details that are needed for the user to log in to the website; for example username, password, etc.

Feature	Marks	Validation/Comments
Wireframe	5	Low fidelity design. Webpage must align with storyboard including the wireframe
HTML (appropriate tags, properties, validation, etc)	5	Save sample username and password as const in source code. Password must be at least eight (8) characters in length; all fields are required.
CSS (selectors: type, class, id, rules, etc)	5	css layout, at least one (1) unique rule, good design principles; ie fonts, spacing, etc. Creativity and uniqueness.
Javascript (user-defined functions, js functions, validation, etc)	5	Inputs are stored in variables. Simple validations. Allow access to products page if log in is successful otherwise after three (3) tries redirect to an error page.
Total	20	Align with the wireframe

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- **A Products / Services Page** – show details on all the Products and/or Services provided by the company include images, videos, a description, estimated cost, etc. At least nine (images), representing products/services must be used in the website catalogue. **8%**

Feature	Marks	Validation/Comments
Wireframe	5	Low fidelity design. Webpage align with storyboard including the wireframe
HTML (appropriate tags, properties, validation, etc)	10	Customer can select multiple products at a time. A button called CheckOut is placed on this page. Must also have Cancel and Exit buttons.
CSS (selectors: type, class, id, rules, etc)	5	css layout, edia query, at least one (1) unique rule, Good design principles. Creativity and design.
Javascript (user-defined functions, js functions, validation, etc)	15	At least one (1) user-defined function. Keep track of all he products available, qty, etc using global arrays. When CheckOut button is clicked an invoice is generated, (invoice webpage is used to display the transaction charges, etc). Calculate charges such as taxes, discounts, subtotal, and total using stored data in global arrays.
Total	35	Align with the wireframe

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- **Invoice** – shows the details of the order, including date, prices, taxes, total, products, etc.

Feature	Marks	Validation/Comments
Wireframe	5	Low fidelity design. Webpage align with storyboard including the wireframe
HTML (appropriate tags, properties, validation, etc)	5	Customer can view a copy of their invoice here after check-out. Must also have cancel and exit buttons.
CSS (selectors: type, class, id, rules, etc)	10	css layout, at least one (1) unique rule, good design principles, ie box model, Creativity and design.
Total	20	

- An **About Us** Section - Include your fullname, ID#, email, module code, assignment name, day/time of class. Use a mailto link that will give potential customers a chance to send comments and queries to the company's email address (ie your id#@utech.edu.jm eg 2210723@utech.edu.jm) via email client. **5 marks**

What to submit?

A Word document with:

- *Student details, ie ID#, Full Name, Assignment #, Day/Time of class, Module name/Module Code.*
 - *Each answer must be labelled with the question number and question itself.*
 - *HTML, CSS, and JavaScript source code*
1. **Storyboard** - including,
- a wireframe, sitemap, and mockups, etc. **5%**

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- | | | |
|---|---|----|
| b | A description of your business, logo, slogan, mission statement, vision, statement, etc | 5% |
| c | Include a brief justification of the color palette you chose for your website, ie the psychology of color in web design and marketing.
https://www.youtube.com/watch?v=8J0nbuunDXc | 2% |
| d | Description of the intended audience for your website. | 2% |
- | | | |
|----|---|----|
| 2. | Use APA formatting to reference all content used including pictures taken from online sources, ie. provide links to the resource. | 2% |
| 3. | Free hosting link. | 2% |
| 4. | A link to your 10-minute pre-recorded presentation of your website. | 2% |

Where to submit?

Assignments must be submitted to Moodle on or before the due date stated on Moodle.

How will the assignment be graded?

- See rubric for each section/page above.
- Broken links, and images will attract a 2% deduction for each broken item.
- Poorly formatted document will attract a 10% deduction. Document must be indented and commented.
- No project will be graded without a presentation/recording. Students who are absent from a presentation or did not submit a video presentation will be given a zero grade for the entire project.

THE END