Higher Diploma in Computing
HDAIML_SEPBL_ HDBC_SEP24OL_ HDSDEV_SEP24 HDCSDEV_INT, HDSDEV_SEPOL_YR1, HDWD_SEPOL and HDSDEV_SEPOL_YR2

Release Project: Week 5 During Class
Due: Week 12 – Saturday 7th of December 2024@23.55pm

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Web Design and Client-Side Scripting
Group Project

Weight: 60%
Instructions: In groups of 2,3 or 4, build a website. Assignment instructions below.

Web Design Client-Side Scripting Project (60%)

The assignment is worth 60% of your overall Mark.

Project Details

You are required to develop a website for a Business. The Business can be of your choice.

Overview:

- This assignment is project-based, and each project group will have 2-4 participants.
- Each group will also complete a project report and presentation. See guidelines of what to include in the report.
  - **Executive summary**
    - Why did you decide on this idea, what problem are you solving, what is the market size etc?
  - **How did your team split the project work?**
    - Show work packages with milestones and deliverables
  - **How was your site designed?**
    - Show wireframes for each web page and reference at least one design pattern per wireframe
- Your main page should be called index.html

The website itself should contain:
- A **minimum of 4 pages of HTML5**
- Styles controlled by at least one external **CSS** file (Each member of the group to generate their own Style sheet to apply to a common page)
- Clearly defined, consistent, navigation system and form.
- Form entry should be demonstrated and validated
- Some content manipulated using JavaScript
- Bootstrap may be used
- jQuery may be used

The site should:
- Be deployed
- Report shows evidence of testing
- Web site Optimisation
- Search Engine Optimisation

Presentation:

As part of your presentation, a 5-minute (max) video presentation should be submitted where all three speakers are talking. It should provide a brief outline of your website, who did what and what were the main challenges in the project.

To be handed up

Your **report** should be zipped into a folder along with your **website code** and uploaded to Moodle on/before the due deadline. The name of this folder uploaded should include all group member names (e.g. Firstname1_Firstname2.zip). Projects submitted after the deadline will incur penalties.

Deliverables:

1. Video presentation
2. Code (HTML, CSS, JS)
3. Report
4. Peer Evaluation form

Presentation Project Submission	Week 12 – Saturday 7th of December 2024

This project will be graded as follows:

	80+	70-79	60-69	50-59	40-49	0-39
Responsive (15%)	Website is responsive with no visual errors using a responsive framework with extensive customisation.	Website is responsive with no visual errors using a responsive framework with some customisation.	Website is responsive with no visual errors using a responsive framework with no customisation.	Website is responsive but with some visual errors.	Website is responsive but with many visual errors.	Website is not responsive.
Use of framework (jQuery, Bootstrap etc) (10%)	Framework implementation is extensively customised and adds major value to the site	Framework implementation is customised and adds major value to the site	Framework implementation is customised and adds some value to the site	Framework implementation is simple but adds some value to the site	Framework implementation is simple and adds no value to the site	No framework used
Form validation (10%)	Form with validation using JavaScript and HTML5. Visually appealing and clear to users. Unsuccessful validations should be thoroughly explained to users	Form with validation using JavaScript and HTML5 which is visually appealing	Form with some basic validation using JavaScript and HTML5.	Form with some basic validation using HTML 5.	Form with little or no validation.	No form.
JavaScript implementation (25%)	Extensive functionality outside of the scope of what was covered in class. Visually appealing and easy to use.	Functionality outside of the scope of what was covered in class. Visually appealing and easy to use.	Some basic functionality or without errors.	Some basic functionality or functionality with errors.	Minimal JavaScript.	No JavaScript.
Deployment (10%)	Website is deployed online with excellent file structure and pathnames.	Website is deployed online with good file structure and pathnames.	Website is deployed online however has a poor file structure OR pathnames.	Website is deployed online however has a poor file structure AND pathnames.	Website is deployed online however has some deployment related errors (404, images not showing etc).	Website is not deployed online.
Testing and optimisation (10%)	Website tested with the HTML and CSS validator with excellent	Website tested with the HTML and CSS validator with good	Website tested with the HTML and CSS validator with adequate	Website tested with the HTML and CSS	Website shows little evidence of testing or optimisation.	Website shows no evidence of

	result. Optimised via Google Page Speed rankings – excellent result.	result. Optimised via Google Page Speed rankings – good result.	result. Optimised via Google Page Speed rankings – adequate result.	validator with poor result. Optimised via Google Page Speed rankings – poor result.		testing or optimisation.
Planning, formatting, wireframes, commenting of code (10%)	Excellent evidence of planning, requirements, wireframing, formatting and commenting of code.	Good evidence of planning, requirements, wireframing, formatting and commenting of code.	evidence of planning, requirements, wireframing, formatting and commenting of code.	Adequate evidence of planning, requirements, wireframing, formatting and commenting of code.	Very poor effort of planning, minimal formatting and commenting.	None.
Effort (10%)	This final section is based on the examiner's discretion. Learners who score well here will have gone beyond the scope of the project document, will discuss testing and design decisions, and will have presented their video overview excellently.					