

Assignment 2

Objectives

Demonstrate intermediate web development using by applying the following skills:

- HTML,CSS,Responsive Web Design,JavaScript

Brief

Content should include minimum main topic and 2 subtopics.

Requirements

- Proper file extensions (HTML files end in .html, CSS files end in .css, JS end in .js)
- All HTML/CSS/JS files should be under base folder (named as: labno_name_adminno_a2)
- Page Limit: Use only 1 HTML (index.html), 1 CSS (style.css) and 1 JS page (script.js)
- No extra subfolders for JS and CSS (since they are only 1 file for each)
- Implement interactivity, transitions, and animations to enhance user experience.
- For media files (e.g. image, fonts, audio), they should downloaded locally, stored in their respective folders (e.g. images, fonts, audios) and referenced as relative paths.
- Videos should be embedded as inline videos references to online sources.
- Audios should be optimized, edited, and compressed without big loss in quality.
- Responsive web design for ONLY one(1) breakpoint: Desktop>800px, Tablet/Mobile<=800px;
- Responsive web design should include different layouts, using responsive used for elements to adapt properly. Use Javascript to implement better interactive responsive menus.
- Vertical Scrolling allowed at any screensize, but not heavily nested.
- Should NOT have horizontal scroll bar at any screen size.
- Links to externals sites should be opened in a new browser tab
- All HTML/CSS/JS validation should passed
- Use comments in HTML/CSS/JS to explain your code clearly to demonstrate understanding (especially those self-learnt online)
- Do not copy and paste code that is not of your personal effort without understanding.
- Give credits to online sources you referred and learnt from (for areas beyond lesson)
- Everything must be written in plain Javascript, no third party libraries or plugins to be used.

Deliverables

- Total uncompressed folder size should be less than 5 MB.
- Clean up unused code and files before submission.
- Compress/Archive the base folder your assignment in a .zip file (.rar nor other formats)
- Name as **LabNo_Yourname_AdminNo_A2.zip** E.g. 01_John_123456G_A2.zip
- Make sure yourname follows the *attendance* order in proper sequence of your first and lastname.
- Submit the compressed file to **Politemail** by the deadline.
- Daily penalty for late submission without acceptable reason. Reasons to be approved via email.
- Once submitted, download back the submission to verify its correct and working.
- Screen recording of demo to be uploaded as *unlisted youtube link* with comments disabled
- Deploy your site to github pages, using the following url convention: <http://xxx.github.io/webdeva2> (where xxx is your github id). Generate QR code to allow easy loading by mobile.
- Complete submission summary form form provided closer to submission date.

Assessment Rubrics

	Criteria	Level of Achievement				
	Performance Level	Excellent (A)	Very Good (B)	Good (C)	Satisfactory (D)	Unsatisfactory (F)
	Score Range	Pass: 80 and above	Pass: 70 -79	Pass: 60 - 69	Pass: 50-59	Fail: Below 50
1	HTML/CSS - Image: available locally, with alt text - External links opened in new window - Meaningful comments - HTML passes all validation checks - Proper indentations and breaks - Using proper HTML tags for semantics - Use external CSS - CSS passes all validation checks - Group CSS Selector for common properties - Use of CSS Combinators and Pseudo CSS	All areas for HTML/CSS were completed with quality, and additional efforts to demonstrate mastery in HTML/CSS	All areas for HTML/CSS were attempted and most were completed with quality	Most areas for HTML/CSS were attempted and all were completed with quality	Most areas for HTML/CSS were attempted and some were completed with quality	Many areas for HTML/CSS were not attempted and also uncompleted
3	JavaScript -Use external JS file -Use of events. -Use of animation. -DOM Manipulation via events -Use of JavaScript conditions, loops, etc. -Use of functions - Meaningful interactivity -Meaningful comments used -Proper indentations and breaks -JS passes all validation checks	All areas for Javascript were completed with quality, and additional efforts to demonstrate mastery in Javascript	All areas for JavaScript were attempted and most were completed with quality	Most areas for JavaScript were attempted and all were completed with quality	Most areas for JavaScript were attempted and some were completed with quality	Most areas for JavaScript were not attempted and also uncompleted
4	Responsive Web Design (RWD) -Use of Media Queries to change layout based on screen width -Content should be adapted to be viewable at different screen widths - Responsive Menus -Should NOT have horizontal scroll bar at any screen size.	All areas for RWD were attempted and completed with quality, and additional effort to demonstrate mastery in RWD	All areas for RWD were attempted and most were completed with quality	Most areas for RWD were attempted and all were completed with quality	Most areas for RWD were attempted and some were completed with quality	Most areas for RWD were not attempted and also uncompleted
5	Optimization -Total folder size is within the given limit -All images file dimensions are resized to the fit the largest display dimension required -Unused HTML / CSS / JS are removed -Unused files are cleaned up -Audio files should be trimmed (no silence) and resampled to speed up loading.	All aspects of optimization are followed accurately	1 aspect of optimization is not properly followed	2 aspects of optimization are not properly followed	3 aspects of optimization are not properly followed	All aspects of optimization are not properly followed
4	Organisation - multiple media files are organised under subfolders - all folders and files names are in lower case; no spaces nor special characters - Proper naming conventions are followed - Use only 1 HTML (index.html), 1 CSS (style.css) and 1 JS file (script.js) - Website is successfully deployed online using the correct URL convention	All aspects of optimization are followed accurately	1 aspect of optimization is not properly followed	2 aspects of optimization are not properly followed	3 aspects of optimization are not properly followed	All aspects of optimization are not properly followed
7	Progressive Review -Progressive updates in person. -Progressive commits with comments in designated version control system	Progressive reviews are all done with high quality. Commits multiple times with comments	Progressive reviews are average quality. Commit at more than 2 times.	Missing some progressive review. One commit done.	Missing many progressive review. Version control setup but does not commit	No satisfactory progressive reviews at all. No evidence of version control
8	Quiz (10 Qn MCQ)	9-10 questions answered correctly	7-8 questions answered correctly	5-6 questions answered correctly	3-4 questions answered correctly	0-2 questions answered correctly

NYP Academic Integrity Policy

Please note the severe penalties with regards to acts that contravene academic integrity.

<https://www.nyp.edu.sg/current-students/academic-matters/nyp-academic-integrity.html>