

Web Engineering

Project-01: Responsive Website HTML5/CSS3 (20 Marks)

Develop a Responsive Website using HTML5 & CSS3.

The purpose of this project is to provide you with an opportunity to:

- demonstrate use of various tags in describing content.
- demonstrate significant effort in styling these elements.

Create an informational website about a **City/Town** in Pakistan fulfilling following criteria:

- City cannot be any of the following cities “Islamabad”, “Karachi”, “Peshawar”, “Lahore”, “Quetta”, “Multan”, “Faisalabad”, “Sialkot”, “Hyderabad”, “Gwadar” and any of the northern tourist destinations in “Kashmir”, “Gilgit Baltistan” or “KP”.

You are allowed to use data / content (text & images) from various sources on the Internet. However, you are not allowed to copy HTML & CSS from any source - online or offline.

IMPORTANT REQUIREMENTS:

1. The website should consist of at-least **10 web pages** (use semantic HTML tags). The homepage file must be called “**index.html**”
2. All image / graphic files must be placed in “**graphics**” folder. CSS file must be placed in “**css**” folder. And font files must be in “**fonts**” folder.
3. You must use **folders** for organizing **subpages** of sections
4. Only **use relative URLs** for your internal links to website pages and files
5. All **folder & file names** (images, html, etc) must be **lower case with no spaces** in their name
6. You must **use only one external CSS** file(s) and you must not use inline or on-page CSS
7. You must build your responsive site using “**Mobile First**” approach in your CSS.
8. Your website must have at-least one **form** using HTML5 features.
9. All images & html files must have **meaningful names**. i.e., it should be easy to find files just by reading file name.
10. Image files should be **optimized** (compressed, scaled, cropped, resized) to save bandwidth / download time.
11. All pages must have **consistent look and feel**.
12. **No broken links** (internal or external) should be present in your website
13. **No incomplete pages** should be in your website, you must integrate content in all pages.
14. All files should contain **valid HTML5** markup - <http://validator.w3.org/>
15. Must submit a **Documentation File** containing your “Full Name”, “SAP #” and “SiteMap’ in PDF Format.

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WARNING:

- Your project will be evaluated based on overall effort and evidence of how much you have learned and applied. Important requirements specified above are minimum expectation – just fulfilling these requirements won't get you maximum marks. However there is -1 mark for each requirement that you fail to fulfill.
- You are required to code your own HTML & CSS and cannot copy.
- No two projects should have similar markup or style sheet – All identical projects will be considered cheating. Keep your project code safe from other – this is your responsibility.
- If you would like to help your friends, help them create a unique website (their own markup and style).
- Don't use any WYSIWYG editors. You should only use a text editor like Sublime Text, NotePad++, etc to develop the website.
- You are fully responsible of keeping safe backup of your project – No excuses will be accepted (e.g., viruses or any other hardware / software issues).
- You are being evaluated for what you have learned in the class.
- You are expected to produce something from scratch on your own.

HOW TO SUBMIT YOUR PROJECT:

- Name your project folder: **"sap-numbers-html5css3"**
 - For Example, if your sap number is "1001" then your project folder should be called **1001-html5css3**
 - The project folder should contain all the files, css & graphic folders.
- **ZIP** your project folder & submit on Moellim before: **Tuesday, 14th June 2022 (11:00 AM)**