

Project: Web Assignment (30%)

Front-End Web Programming (420931VA - Winter 2022)

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In this assignment, you are requested to create a website for a given topic.

- This assignment must be done by **groups of 3 members** (one group will be allowed to have two members only).
- Members of groups are evaluated individually
- For each page, **names/ids of contributor(s)** and contribution percentage must be stated.
- The web site consists of a minimum of **SIX pages**.
- The first page is the ENTRY page to your website and should be named **home.html**
- The last page in your website and should be named **contact.html**
- **Do not name any file** (index.html).
- Inside your LOCAL DRIVE, create folder **Project**.
- Store all your (html, css, multimedia ...) files and folders inside **LOCAL DRIVE/Project**

1 Requirements

1.1 GENERAL REQUIREMENTS

The web site must:

- a. be based on a single topic/subject (see the [list](#) in the last page)
- b. have interesting information that makes people want to visit your website.
- c. be well organized and easy to navigate
- d. be artistically pleasing
- e. be tested on several web browsers (Chrome, Firefox, IE, Safari, ...)
- f. have a well-organized file-system structure: i.e., your (html, css, multimedia, ...) files must be well-organized in your server (properly stored in folders)
- g. be uploaded to your server account
`http://420931va-<your-name>.freecluster.eu/Project /home.html`

you will be marked on

- content, design, organization
- marks will be deducted for errors, spelling, broken link, slow load time (e.g., images)

2 Technical criteria:

You must use:

2.1 Tables, graphics & Forms

- a. Tables (for data and/or images)
- b. Graphic title or logo (on top of every page)
- c. A suggestion would be to create the title or logo you wish to use in Photoshop (or any other Graphics software) or use on an online tool of your choice.
- d. In every page footer, show for each member: name, id, 'remote server' link to the same (current)

page, and Copyright /year.

- e. Forms (see [tabs](#) section for e.g., and/or login, registration, etc.)

The last page **contact.html** must contain at least two forms (one for contact by email, one for chat)

2.2 Menu bars

- a. A horizontal and/or vertical menu bar with a home link to **home.html** as the first menu option
- b. You should use icons (besides text) for your menu bar options

2.3 Layout & Positioning

- a. You should use html5 semantic elements; you may use divs and spans as well but scarcely.
- b. You must use a fluid **FLEXBOX** layout.
- c. The structure of your fluid layout (number of columns and exact layout) is up to you.

2.4 head section

- a. use of at least three meta-tags (i.e. keyword , description, utf,...),
- b. use any tag that allows a good ranking of your web site in the search engines
- c. titles for each page

2.5 content

- a. paragraph/heading text on each page, as well as images. (<p>, headings <h1>, <h2>, <h3> . . <h6>,
 , etc.)

You must include/use the following:

- b. at least one link to an external website. Use an absolute hyperlink, and have it open in a new browser tab or window.
- c. simple rollover effects (CSS using the :hover pseudo selector or image based rollovers)
at the footer of each page, put your name/id and the name/id of the other members and the copyright 2022 message as well.
- d. Each student **name** must be clickable and should reference to the same (current) page that is in the remote server account of the student **name** in question.

2.6 styling

You must use at least FOUR external style sheets files to style all your website pages.

- one css file called **pagestyle.css** to style the layout and structure of all your SIX pages.
- one css file called **menu.css** to style all your menus (horizontal and/or vertical)
- a. one css file called **form.css** to style the form and its components (Attributes for form elements states (pseudo-classes) including different types of inputs.)
- one css file called **tabs.css** to style the tabs (see [tabs](#) section)

In your **pagestyle.css** css file, you must specify at least:

- b. font family and font size for body, paragraph and heading text,...
- c. attributes for various link states including *link*, *visited*, *focus*, *hover*, and *active*.
- d. Tables and its elements and attributes
- e. Background image and/or background colors for your containers (sections, divs, ...)
- f. Any Additional CSS styles for other elements of your website you deem necessary.

2.6 JavaScript

You will use CSS and JavaScript to code the tabs and email validation.

One of the menu options (preferably the last one is **Contact**). Once **Contact** is clicked, the page called **contact.html** is open.

The **contact.html** must have tab structure with 4 tabs called address, call, e-mail, chat.

1. Tabs address and call contain the address and telephone numbers respectively (no form).
2. If **e-mail tab** is clicked, a **form** appears and you can enter your-email address, the topic, type the text, and hit submit button.
3. If **chat tab** is clicked, a **form** appears and you can enter a message and press button send.
4. Write a JS code to allow only "vaniercollege" email accounts

2.7 USING FAVICON

What is Favicon? From (<https://www.w3.org/2005/10/howto-favicon>) "A favicon is a graphic image (icon) associated with a particular Web page and/or Web site. Many recent user agents (such as graphical browsers and newsreaders) display them as a visual reminder of the Web site identity in the address bar or in tabs."

1. You can use online favicon generators and design your own.
 - <http://www.favicon.cc/> OR <https://www.favicon-generator.org/>
2. Paste the code between the <head>and </head> of your site:
Basic Format: <link rel="shortcut icon" href="path and file name" />
Example: <link rel="icon" type="image/ico" href="images/favicon.ico"/>
Or <link rel="icon" type="image/png" href="/somewhere/myicon.png" />
3. Publish your site. The favicon will appear in the address bar (and also in the Favorites / Bookmarks menu when saved) of your browser.

3. SUBMISSION

- Once properly tested in your **LOCAL DRIVE/Project** , upload the whole project to your remote server account.
- Test the page remotely by pointing url to:
<http://420931va-<your-name>.freecluster.eu/Project /home.html>
- Submit to MOODLE the entry (first) page only, **namely home.html**

• **Only one member must submit the page to MOODLE.**

• **However, all members must have the same copy of the project in their respective server account**

- Deadline: as stated in MOODLE

Appendix

4. POSSIBLE TOPICS/SUBJECTS

[\(go top\)](#)

You may create a website about:

- Special things about any city in the world.
- Tourist attraction/location
- Online learning (e-course, online tutoring, etc.)
- Sell/buy/rent houses
- e-commerce: Selling goods (any product, for e.g., used cars)
- Festivals and Events
- History
- You can come up with your own topic