CY Paris Université

Web Programming Project – Phase#1&2

First term of 2022-2023

Due Date: Phase #1 Friday December 23rd before 12:AM

Project description

You are asked to develop a blog for your hobby club along with your team project. Your website should allow the users to view the latest news and updates related to your club. You are free to choose the speciality of your club. Your website should be organized into three parts:

- Your **Home Page** should present new posts in your hobby club. The post shows events and information about your hobby**.** Each post must contain *title*, *description*, *photo(s),* and/or *video*.

- Your website should have a **Portfolio (or gallery)** page that contains images related to your club.

- In addition, there is a **Joining club** page that permits users to join your club by submitting a form.
  The form must contain at least these elements: name, age, email, phone, gender, experience.
  Visitors can *customize the blog themes* (background, font size, font-color) by pressing a button at the top of the page.
  The details of the requirements for each phase will be posted later on. Phase-1 requirements are listed below.

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Phase#1

- **Using the Phase-1 Template**, **Create a document where you should:**

  - 1- Specify the **title** of your website.

  - 2- Define site's **goal**: (why would you want to create a **hobby club** blog?)

  - 3- Specify the **audience** of your site: (Who would your **hobby club** blog attract?)

- 4- Present a **Competitive analysis**: (Choose at least three competitive websites to analyze them). These sites must have similar content as your site.

- 5- Specify the **functionalities** provided by your blog: (What will the blog do for the client (visitor)).

- 6- Construct a **Site map:** (What pages the blog will contain?) The site map should show all the pages on your blog, how they will be related to one another, and the relationships between sections of content.

- 7- **Wireframes**: (What will the screens look like?) Sketch pages/screens of your blog. Include links, menus, navigation bars, form fields, and buttons. Do not go for nice looking visuals, you just need to show the interface elements and backend behavior that you will implement in your project. You must provide wireframes for each page in the sitemap and write the page title on the top of the wireframe.
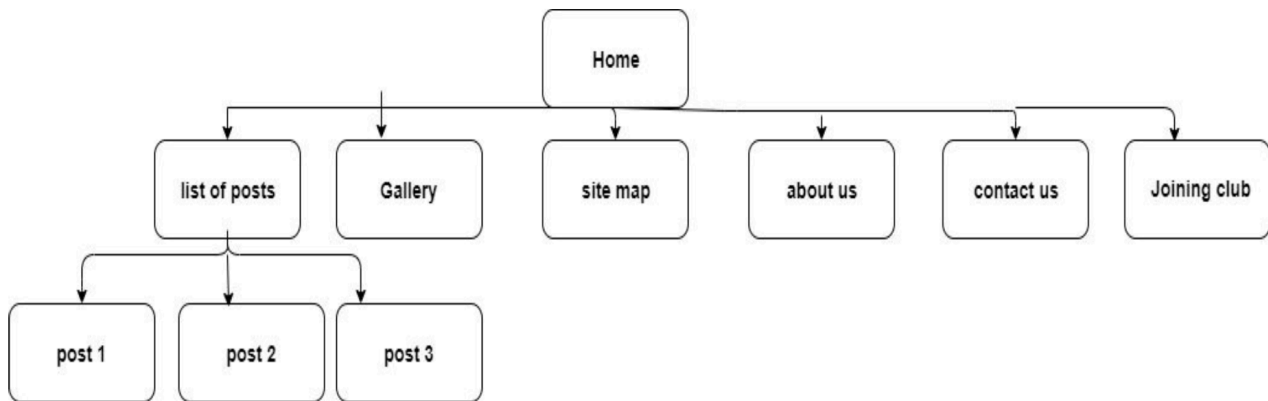
Phase#1 Submission:

Submit your document on Friday December 23rd before 12:AM by google.workspace:

Upload a soft copy in Phase#1 Submission in the Project Folder in Assignment.

Phase#2

This is the phase where you convert your designs from paper to actual code. Use your knowledge in HTML and CSS to build your website pages. Your website can consist of any number of pages; however, it must at least have these set of pages:
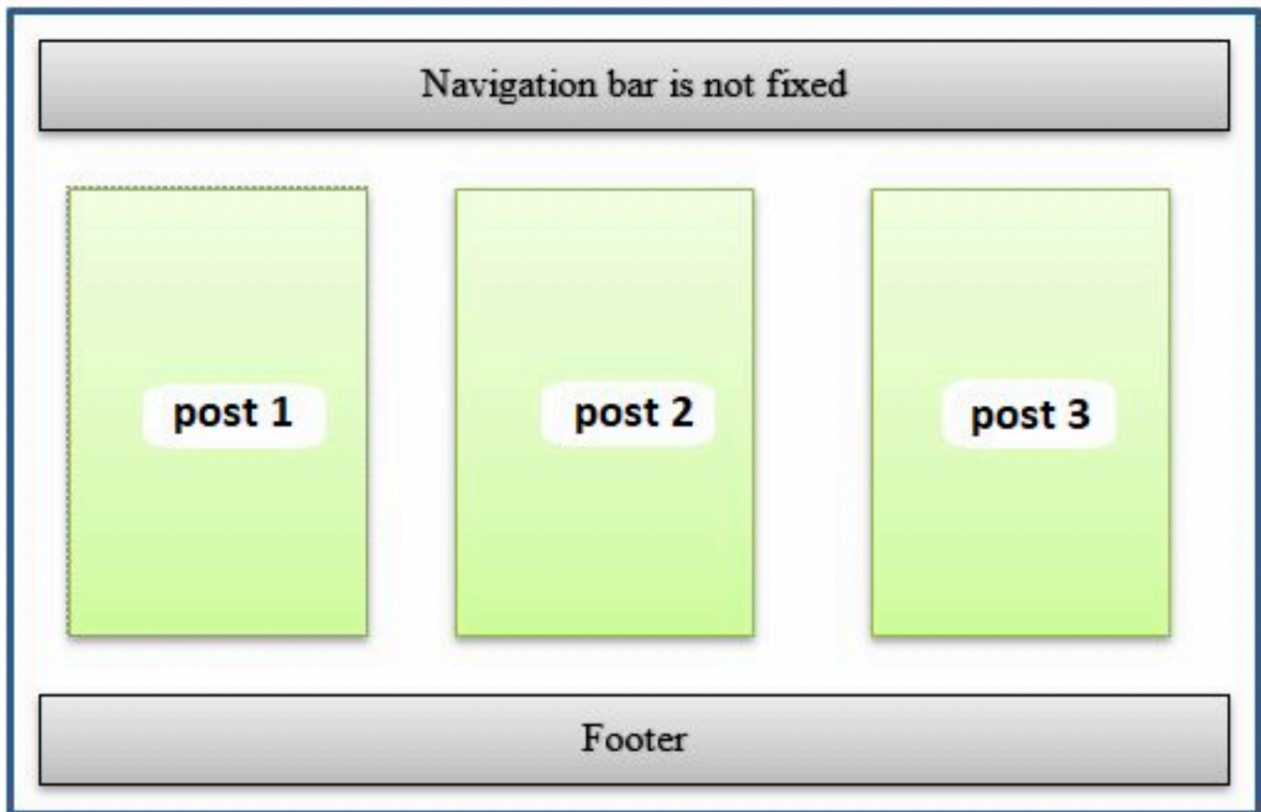

Note about the sitemap:

A "List of posts" page should contain list of posts pages

- The "post" Page includes all information about the post (e.g. title, Description, image or
  video). You should provide at least three different posts.

- "Gallery" page, presents images for your hobby

- The "joining club" page contains a short form you must use the following form elements
  - a) Radio buttons
  - b) Checkbox
  - c) Input text
  - d) Drop down menu
  - e) Text area

FlexBox Model

You should apply the flex box display model on the list of posts page. The page should be displayed in a row direction as shown in the following diagram.

You are required to:

- Convert every node in your sitemap into an actual page. Including page titles, images, links, etc.

- Each page's **layout must be very similar to the Wireframes** you have submitted in phase#1. If you change the page layout, you must re-draw the wireframes.

- Use **HTML** to code the page content and structure. Use **CSS** to design the page layout and to change the appearance of the website (backgrounds, colors, etc.).

- All pages should have proper **navigation** and contain **breadcrumbs** .

- All pages should be linked properly (according to the sitemap) and all links should work.
- All HTML and CSS code should be completely **valid** . (Hint: to validate HTML code go to validator.w3.org. To validate CSS go to jigsaw.w3.org/css-validator).

- Your website must follow the recommended **accessibility** guidelines provided by WCAG 2.0 and must be accessible using the keyboard (i.e. Access key).

- As you continue to create your web pages, you can look back at the guidelines and best practices through this website:
  http://terrymorris.net/bestpractices
  (Not all guidelines should be applied but you should apply the most important and
  most applicable to your site)

- There is one mark for **creativity** . The website that has creative ideas or design will get this mark.

Deliverables:

- A Folder containing: All website files (HTML, CSS, images, etc.).
- Using the Phase-2 Template, create a document with :

  1. Cover page group number, students' information and tasks, and Website URL.

  2. Site map, print screens of your website pages and wireframes. (If you have changed the Sitemap and /or Wireframes, print the new versions).

Phase#2 Submission:

Submit your document on January « the day will be announced later » by google.workspace **:** Upload a soft copy in the Project section.