CPCS 403 – 1ˢᵗ Semester 2025/2026 – Assignment 1
Practice with Creating Web Pages & Websites
Due: Monday, October 6, 2025 @ 11:59 pm

Warning: 25% deduction from grade for late submission
Plagiarized work will receive a zero mark

Objective

Practice developing basic web pages and websites; design pages wireframe, and design a sitemap.

Data Files

You should have an Assignment1 folder containing several folders and files inside it as follows:

- Folder *txt* for storing any needed text files for your website.
- Folder *html* for the HTML files related to your website.
- Folder *images* for storing the images shown on your website.
- Folder *css* for the CSS stylesheet.
- Folder *docs* for storing Word document files.

You should submit your website as a Zip file, with name assignment1-*yourId*.zip folder, which includes all the folders shown above and the necessary files inside them (txt, HTML, Doc, and image files).

The website should contain <u>at least</u> 6 pages:

- Main/Landing page: this page should contain a description of your idea and any other information you desire to show to attract users to your website. You are encouraged to visit known existing sites (e.g., Apple.com, Microsoft.com, Amazon.com, etc.) to see what information these sites present on their main/landing page.
- Services page: this page should contain a list of functions/features to be provided by your website.
- Contact page: this page should contain your information and a link to contact you by email.

- At least another 3 pages of your choice. These pages should be based on your idea (such as Shopping Cart page, Forums page, Item details page, etc.). These pages should not be identical in purpose to each other.

Technology Requirements

Apply the following to the HTML code:

1. Add comments at the top of the page (including your name, ID, section, and date).

2. Set the title of your website.

3. Add page titles to all pages.

4. Apply proper indenting to the HTML code.

5. Apply reasonable white space in the HTML code.

6. Add comments on the top of each code explaining what this piece of code is for.

7. Use DOCTYPE declaration.

8. Use of head and body tags.

9. Use of paragraph tag.

10. Use of div tag.

11. Use of (un)ordered lists.

12. Use of cite and address tag.

13. Use of blockquote tags.

14. Apply all features learned in class (body features, block, headings, bold, italic, underline, margin, border, padding, special characters, etc.).

15. Express your page better with images align left and right of text. Use all three images.

16. Use of copyright HTML character instead of using " copyright@ "

17. Use classes and ids.

18. Use an external CSS sheet to style all pages.

19. Save your changes to the file, and then verify that the page renders appropriately in modern Web browsers and is readable and attractive.

What you should submit for Assignment #1

1. Create a static website using the <u>domain hosting</u> you created.

2. The websites should include the following:

   a. **Idea development**

      i. You need to decide what website you will build for this assignment. Note that your idea in this assignment should be unique in that you've not worked on it previously in another course (including your graduation project, if you have one).

      ii. Write a 1-2 paragraph description of your idea on your 1st website page. This does not have to be too long or descriptive. We just want to get a sense of what you want to make

      iii. Write on the 2nd page of your website all the functions you are planning to have on your website.

   b. **Recommended solution**

      Recommended solutions should directly address a client's needs. The best solutions talk about the problems they are solving and use language that makes sense to potential clients.

   c. **Benefits**

      What are the specific benefits the client will receive from the solutions you have recommended?

      It is essential to spell out the benefits of your service (and be as specific as you can).

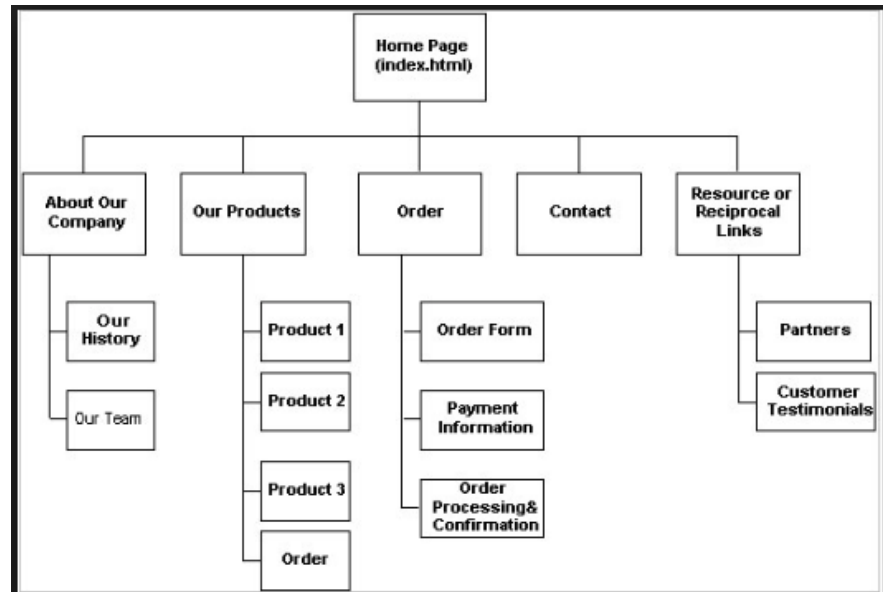   These should be the benefits that the client is looking for.

3. Organize and draw a site map that will be used to structure your website pages and show how those pages can be grouped

4. Create and draw all your website Storyboard for all your website pages

In addition, all the points mentioned above should be written in a Word document and saved with file name *HW1.doc*

Save your changes to the files, and then verify that the pages appear correctly in Chrome, Microsoft edge, and Firefox (Web browsers). Test all links in the Web site and verify that they work correctly.
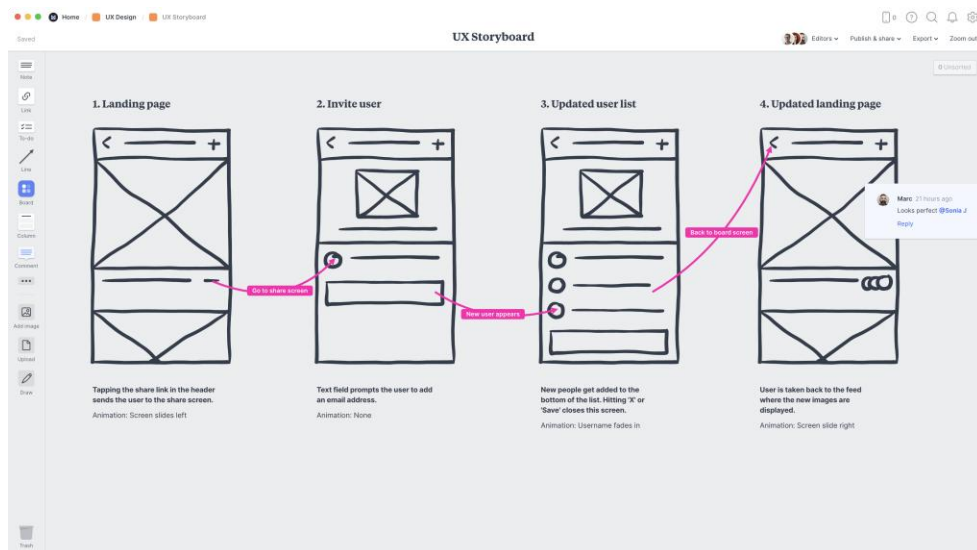
Example of a Sitemap

As we discussed in our class, you can represent a sitemap visually by creating an organizational chart that shows the website's structure and content flow. This is helpful for stakeholders and the development team to understand the structure of your website. Using the tool of your choice, create a visual sitemap for your website. The following is an example of a sitemap:

Example of a Storyboard

The storyboard helps clarify the requirements of the website you intend to develop to the stakeholders. It also helps the development team to better understand what needs to be developed. Using the tool of your choice (e.g., Wireframe.cc, Figma, etc.), design the storyboard of the website you intend to develop. Once you're satisfied with the results, you can proceed by implementing the actual pages.

Your assignment will be graded on the following criteria:

1. The correctness of the result

2. Adhering to the implementation specifications for each problem

3. Usage of white space throughout the HTML file

4. Using comments in HTML code

5. Using a CSS style sheet correctly

6. The correct explanation for an idea, solution, and benefits

7. Correct storyboard and sitemap

8. Using your own website domain name. Upload the site to this domain, and make sure to submit the URL as part of your submission for grading.

9. Check the grading rubric for more details.