



Computer Science Department
Web Application and Technologies (COMP 334)
Second Semester 2024/2025

Assignment 1: HTML

Due Date 05/04/2025

This assignment involves the creation of some HTML pages. You are forbidden to use any HTML code generator tools for this assignment.

This individual assignment consists of three tasks:

1. Structure the folder of your website on the CSHost
2. Create your home page
3. Create a Community of practice website.

Your HTML file should include:

- The basic components of an HTML file: file type, head, title, body
- Headers of different size
- Paragraphs of text
- An image without a link and <figure> element
- An image that links out to another page
- A hyperlink that is represented as text.
- list
- Table
- Semantic tags
- Form

All of your course assignments and the project must be uploaded to CSHost, and grading will be only for the files uploaded to your folder on the CSHost.

1. Structure your website folder.

You need to take some steps to structure your web folder effectively. Start by logging onto the hosting server and opening the "public_html." Then, upload your home page file to the folder so it will be accessible to the public.

After that, create three new folders in the "public_html" "ass", "examples", and "project." In each of these folders, make a new file called "index.html," which will be the default web page displayed when visitors browse each folder.

To further organize your content, create a subfolder in each of the three main folders, with a number assigned to it. For instance, within the "ass" folder, create a subfolder named "ass1." Inside "ass1," create a file called "index.html." Repeat this process for the other two folders, ensuring the subfolders and files are appropriately named.

Additionally, inside the "examples" folder, make a subfolder called "htmlEx." Upload the HTML examples discussed in the lecture, then make an "index.html" file to refer to the examples.

By following these steps, you'll have a well-structured and easy-to-navigate web folder, making it simple for visitors to locate what they're looking for.

You have provided full details on setting up your domain on the CS host on the last page.

2. Create Your Home Page

Using HTML elements explained in Chapter 03 and Chapter 05, create your personal home page to provide information about yourself, your education, training, employment, community and voluntary works, and other relevant information.

Biography:

A short biography about yourself, including Personal information (name, student ID, the dept in which you are studying), address, and a nice photo of yourself.

Education:

School and University Education, including the period of study, name of the school, location, date of graduation, expected date of graduation, a link to the school, and the title of the qualification.

Training:

Provide a list of any trainings you have attended or completed, such as:

I have completed various training courses in my field, such as [Course 1] and [Course 2]. These courses have helped me to develop my skills and knowledge in [Field].

Employment or Internship:

I have worked at [Company 1] as a [Position] for [Years]. My responsibilities included [Responsibility]. I also worked at [Company 2] as a [Position] for [Years]. My responsibilities included [Responsibility].

Community and Voluntary Works:

I have volunteered at [Organization] for [Years]. My role was to [Responsibility]. I have also participated in various community service activities, such as [Activity 1] and [Activity 2].

Awards and Distinctions:

I received [Award 1] from [Organization] in [Year] and [Award 2] from [Organization] in [Year]. You can find more information about these awards by clicking on the following links: [Link to Award 1] and [Link to Award 2].

Your Study Timetable for this Semester.

You should create this, so do not take it as a screenshot from Ritaj.

Navigator to your website

Navigation to your website folders: assignments, examples, and projects.

This document is your home page, and it must be stored in a file called “index.html” and uploaded to the “public_html” folder on the CShost, as explained above. You can access this page from your website, for example:


http://web{STUDENT_ID}.studentswebprojects.ritaj.ps/ , where STUDENT_ID is your student ID.

Figure 1 below shows a sample page of how your home page should look like.

Welcome to Yousef Hassouneh Web Page

This is my main page for the COMP334 course work

Short Biography



I am a 3rd year Computer Science student at [Birzeit University](#), Palestine.
My student ID is 1111111.

Education

- [Sep-2021 - Jul 2024] Pursue a BSc Degree in Computer Science from [Birzeit University](#), Palestine
- [Sep -2019 - Jul 2021] High School Education at North Ramallah Secondary School

Training

I have completed various training courses in Software Engineering, such as:

- Google UX Design, offered by [Coursera](#)., One-month online training course

Employment or Internship

I have worked at:

- [Company 1] as a [Position] for [Years]. My responsibilities included [Responsibility].

Community and Voluntary Works

I have volunteered at the following places:

- [Organization] for [Years]. My role was to [Responsibility]

I have also participated in various community service activities, some of these activities:

- [Activity 1]
- [Activity 2]

Awards and Distinctions

I participated in various intellectual and physical activities:

- I have participated in the [Birzeit Code competition 2022](#), and my team won the [best Algorithm Award](#).

My Time Table

Study Time Table for 2nd Semester 2022/2023

| | 09:00 - 10:00 | 10:00 - 11:00 | 11:00 - 12:00 | 12:00 - 13:00 |
|-----------|---------------|---------------|---------------|---------------|
| Monday | COMP231 | | COMP231 -Lab | |
| Tuesday | | COMP334 | | COMP336 |
| Wednesday | COMP231 | | Phys 112 | |
| Thursday | | COMP334 | | COMP336 |

Course Work Navigation

- [Assignments](#)
- [List of Course Examples](#)
- [Project](#)

Figure 1: Sample Page of Your Home Page

3. Community of practice for a website:

You are required to develop a website for a collaborative community of practice for a web programming course that facilitates students' collaboration and knowledge sharing. A community of practice is a group of individuals who share a common interest or profession and come together to learn from each other, share knowledge and experiences, and solve problems. A collaborative community of practice can be created using a web application or website that allows members to interact with each other and share information and resources.

A collaborative community of practice website can have several features that allow members to interact, share knowledge and experiences, and collaborate with each other. Some of the system features of a collaborative community of practice website are:

User profiles: User profiles allow members to create a profile that includes their name, photo, and brief bio. This feature can help members learn about each other and find people with similar interests and expertise.

Knowledge base: A knowledge base is a database of information and resources members can access. This feature can be useful for members who want to learn about a topic or find answers to common questions. **Article creation:** The knowledge base functionality should allow users to create and publish articles within the knowledge base. Articles should include titles, descriptions, body text, and relevant images or videos.

File sharing: File sharing allows members to upload and download files such as documents, images, and videos. This feature can be helpful for members who want to share resources, templates, or examples of best practices.


Search functionality: Search functionality allows members to search for specific topics, keywords, or members. This feature can help members find relevant discussions, resources, and experts. The search functionality should have a search bar should allow users to enter keywords, phrases, or topics they want to search for.

The task

- a) Create a home page for your community of practice, and provide a unique name, objectives, logo, and navigation to the four functionalities above. The home page should provide information about the community of practice. This information promotes the community to potential users, so you must introduce them in terms of community objectives and services. You are required to include text information and pictures or other graphics. You must only use the HTML techniques discussed in class and chapters 3 and 5 of the textbook. Make sure you use a truly fictitious name for the community -- one that no one else uses (check the web). Save the home page in filename index.html and store it within a sub-folder named "ass1". Then, add a link to the Assignment One index file on your home page.

- b) Provide four static HTML pages that incorporate forms to implement the user interface of the above functionality. You must use the right form controls, such as text input fields, radio buttons, checkboxes, and dropdowns. Use the HTML5 form validation attributes to validate form input and ensure data accuracy. Also, you must consider accessibility when designing HTML forms by using descriptive labels, providing alternative text for form controls, and making forms keyboard accessible.
- c) You must upload all the task files, HTML documents, and other resources, such as image files, to the “ass1” folder.
- d) All forms should be submitted to the following PHP script using “post” method, <http://yhassouneh.studentprojects.ritaj.ps/util/process.php>
- e) A Contact Us page: this page should provide information on how the community moderators could be contacted. You should give the correspondence address, telephone number, email, and a contact form containing the following details: Sender Name, Sender E-mail, Sender Location (city), Message Subject, Message Body, and send and reset buttons.

General Requirements for all pages:

- All the pages must consist of the following parts:
 - **Header:** Contains the logo, site title, and navigation links.
 - **Main Section:** Displays information related to the page’s functionality.
 - **Footer:** Displays community contact information (address, telephone number, email) and copyright.
- You must use relative addresses for all links to the documents and resources within your site.
- Validate the page by either using a built-in tool in your editor or pasting the HTML into <http://validator.w3.org/> and seeing if it passes. You will notice to pass. It must do many extra things, like have alt attributes on tags. To get a full mark your all your webpages must pass the validation.
- All forms must use the post method to send the user data to the following URL: <http://yhassouneh.studentprojects.ritaj.ps/util/process.php>
-  : if I find your page somewhere else on the Web, you'll get a ZERO mark.

Placement of Assignment Files

You must submit your files to CS Host. Please watch the following videos for instructions:

- [Hosting Details and Login](https://www.youtube.com/watch?v=K0FFonWBp0c) (https://www.youtube.com/watch?v=K0FFonWBp0c)
- [File Manager](https://www.youtube.com/watch?v=5CdMpCrVCVE) (https://www.youtube.com/watch?v=5CdMpCrVCVE)
- You should upload your home page (index.htm) file to the “public_html” folder. In your home page file, **add a link to the course assignments**.
- In the “public_html” folder, create a subfolder called ass1 and upload all the Community of Practice website files to it.
- Also, you must compress (Zipped) all your files (home page and Community of Practice website files) to a file named assOne-stID.zip, where stID is your student ID, and submit them to **ITC before the due date**.



You must submit your work before the due date **which is on 05/04/2025 at 22:00 PM**, by uploading it to the CS host and submitting it to the ITC.