

Assignment: Portfolio Website

Duration: 1 hour

Objectives

- Build a five-page website with external CSS and images
- Practice organizing files into folders (`css/`, `images/`) and linking assets
- Use HTML5 semantic tags (`<nav>`, `<figure>`, `<figcaption>`) for structure and accessibility
- Apply CSS selectors, hover effects, and layout techniques (Flexbox or Grid)

Task Description

Create a personal portfolio site inside a folder named `portfolio_site/` with these pages:

- `index.html`
- `about.html`
- `hobbies.html`
- `gallery.html`
- `contact.html`

Add a `css/` subfolder containing `style.css` and an `images/` subfolder with at least seven image files.

Page and Image Requirements

- Every page must include a `<nav id="main-nav">` linking to all five pages.
- Use `<h1>` for each page's title and at least two `<p>` paragraphs.

- index.html: display a profile `` at the top with descriptive alt text.
- about.html: include a secondary image inside a `<figure>` with `<figcaption>`.
- hobbies.html: list your top three hobbies in a `` **and** show an icon/image next to each item.
- gallery.html: present four images in a responsive 2×2 grid layout using CSS; use `<figure>` for each.
- contact.html: build a form (name, email) and display a small logo or background image.

External CSS Requirements

Link `css/style.css` in every `<head>`. In `style.css`, define:

- `body { background: #f9f9f9; font-family: Arial, sans-serif; margin: 0; }`
- Navigation bar styling:
 - `#main-nav { background: #333; padding: 10px; }`
 - `#main-nav a { color: #fff; margin-right: 15px; text-decoration: none; }`
 - `#main-nav a:hover { text-decoration: underline; }`
 - `.active { font-weight: bold; }`
- Image styling for all ``:
 - `img { max-width: 100%; border-radius: 8px; box-shadow: 0 2px 6px rgba(0,0,0,0.2); }`
 - `img:hover { transform: scale(1.05); transition: transform 0.3s; }`
- Gallery layout (use Flexbox or Grid):
 - `.gallery { display: flex; flex-wrap: wrap; gap: 10px; }`
 - `.gallery figure { flex: 1 1 calc(50% - 10px); }`
- Use at least one element selector (`p { line-height: 1.6; }`), one class selector (`.highlight { color: #c0392b; }`), and one descendant selector (`nav a.active { color: #e74c3c; }`).

Step-by-Step Instructions

1. Setup (5 min)

- a. Create the `portfolio_site/` folder.
 - b. Inside, add your five HTML files and create `css/style.css` and an `images/` folder.
2. HTML Structure & Navigation (15 min)
 - a. Add `<!DOCTYPE html>`, `<html>`, `<head>` with `<meta charset="UTF-8">` and `<title>`.
 - b. Link `<link rel="stylesheet" href="css/style.css">`.
 - c. In `<body>`, insert `<nav id="main-nav">` with `` links; add `class="active"` for the current page.
3. Content & Image Integration (15 min)
 - a. `index.html`: embed ``.
 - b. `about.html`: wrap an image in `<figure>` and add `<figcaption>`.
 - c. `hobbies.html`: build a `` and place `` icons next to each ``.
 - d. `gallery.html`: structure four `<figure>` elements inside a container `<div class="gallery">`.
 - e. `contact.html`: create a `<form>` with text inputs for name and email and include a small logo image.
4. CSS Styling (20 min)
 - a. Style the body, nav bar, links, and active state.
 - b. Define global image rules and hover transitions.
 - c. Implement the gallery layout with Flexbox (or Grid).
 - d. Apply `.highlight` to emphasize a phrase in one paragraph.
5. Testing & Validation (5 min)
 - a. Open each page in a browser; verify navigation and asset loading.
 - b. Check responsive behavior by resizing the window.
 - c. View source to confirm external CSS and correct folder structure.

Deliverables

- `portfolio_site/` folder containing:
 - `index.html`, `about.html`, `hobbies.html`, `gallery.html`, `contact.html`
 - `css/style.css`
 - `images/` with all image files
- (Optional) Screenshots of each rendered page

Evaluation Rubric

Criterion	Details	Poi nts
File & Asset Structure	Correct folders; CSS and images linked properly	15
Navigation & Accessibility	Nav bar on every page; alt text; .active styling	15
HTML Content & Semantics	Headings, paragraphs, lists, <figure>, form elements	15
Image Usage & Styling	Images embedded; alt attributes; CSS styling and hover	15
CSS Layout & Techniques	Flexbox/Grid gallery; selectors used; hover effects	20
Code Quality & Validation	Clean indentation; valid HTML/CSS; responsive where possible	10
Creativity & Polish	Visual design choices; captions; extra enhancements	10
Time Management	Completed within the 1-hour timeframe	10
Total		100

Use any extra minutes to add a footer, responsive <meta> tag, or subtle animations. Good luck!