# Pre-Lab 01 — Personal CV Webpage (HTML Only)

**Duration:** 20 minutes **Instructor:** MSc. Nguyen Trung Nghia

# Objective:

Prepare before the lab by reviewing HTML structure, semantic tags, and metadata (SEO, Open Graph, favicon). Students should arrive ready to build the CV skeleton efficiently.

# Recommended Reading:

* [Welcome to Learn HTML!](https://web.dev/learn/html/)
* Semantic HTML | web.dev
* Metadata & Open Graph | web.dev

**Part A — Quick Multiple Choice (≈8 min)**

1. Which of the following are **semantic tags**?

<section> <article> <div> <header> <span> <nav> <main>

1. Which element should **not** wrap the entire content if <main> already exists?

A. <div id="container"> B. <main> C. <section> D. <article>

1. The correct way to include a favicon is:
   1. Inside <body> B. Inside <head> using <link rel="icon" …> C. Inside <footer>
2. Which tag is **not** a basic SEO meta tag?
   1. <meta name="description" …> B. <meta name="viewport" …>

C. <meta property="og:title" …> D. <meta name="robots" …>

1. Which tag defines the **main navigation area**?

A. <nav> B. <aside> C. <footer> D. <figure>

1. Which Open Graph property defines the **shared title**?

A. og:type B. og:title C. og:site\_name D. og:locale

**Part B — Short Answers (≈6 min**)

1. Write the **minimal HTML skeleton** (only mandatory tags, no detailed content).

*Hint: <!doctype html>, <html lang="…">, etc.*

|  |
| --- |
| *<!DOCTYPE html>*  *<html lang="en">*  *<head>*  *<meta charset="UTF-8">*  *<title>Title</title>*  *</head>*  *<body>*  *</body>*  *</html>* |

1. Write **three meta tags** you plan to use for SEO/basic setup and explain each purpose.

* **Meta 1:**

|  |
| --- |
| <meta name="description" content="A short summary of the webpage content."> |

→ Purpose: Provides a concise description of the page for search engines and may appear in search result snippets.

* **Meta 2:**

|  |
| --- |
| <meta name="viewport" content="width=device-width, initial-scale=1.0"> |

→ Purpose: Ensures proper scaling and responsiveness on mobile devices — essential for mobile-friendly SEO.

* **Meta 3:**

|  |
| --- |
| <meta name="robots" content="index, follow"> |

→ Purpose: Instructs search engine crawlers to index the page and follow links on it (controls crawling behavior).

1. Write at least **three OG (Open Graph) tags** you will include and explain why.

* **OG 1:**

|  |
| --- |
| <meta property="og:title" content="My Website Title"> |

→ Reason: Defines the title shown when your page is shared on social media platforms (e.g., Facebook, LinkedIn). It helps users recognize the content instantly.

* **OG 2:**

|  |
| --- |
| <meta property="og:description" content="A short summary of what this page is about."> |

→ Reason: Provides a short, compelling description that appears under the title in social media previews — encourages clicks and engagement.

* **OG 3:**

|  |
| --- |
| <meta property="og:image" content="https://example.com/image.jpg"> |

→ Reason: Specifies the image that appears when the page is shared. Visuals greatly improve share visibility and click-through rates.

1. Write the **favicon link line** you intend to use (.ico or .png accepted).

|  |
| --- |
| <link rel="icon" type="image/png" href="favicon.png> |

# Part C — Semantic Structure & Planning (≈6 min)

1. List your **main semantic sections** and describe briefly what each will contain:

* <header>: Contains my name, site title or logo, and main navigation links (e.g., Home, About, Contact).
* <main>: Holds the main content of the webpage — typically includes the key sections such as Education, Skills, and Experience. (include which <section>s will be inside)
  + <section id="education">: Lists academic background — schools, degrees, dates, and any relevant achievements.
  + <section id="skills">: Displays key technical and soft skills, possibly grouped or shown as a bulleted list.
  + <section id="experience">: Describes work history, job titles, companies, responsibilities, and notable accomplishments.
* <aside> (optional): Can include extra information like contact details, certifications, or links to social media profiles.
* <footer>: Contains copyright notice, contact information, and possibly navigation or links to privacy policy and social pages.

1. For each content type below, choose the **most appropriate tag**:

* List of short skills (e.g., HTML, CSS, Git): <ul> (unordered list). Use <ul> with <li> items to present a simple, readable list of skills.
* Timeline of experience (year + description): <dl> (description list). Best for pairing dates (terms) with details (descriptions).
* Contact information (email, phone, links): <address>. Designed specifically for contact or author information.

1. Write **two accessibility rules** you will apply (e.g., using lang, heading hierarchy, alt text).

**Rule 1:** Use the lang attribute in the <html> tag (e.g., <html lang="en">) so screen readers know which language to use for pronunciation.

**Rule 2:** Provide alt text for all images (e.g., <img src="photo.jpg" alt="This is image">) to describe visuals for users who rely on screen readers or have images disabled.

# Submission Instructions

* Submit your pre-lab answers (Parts A–C) as a **PDF, Word doc, or Google Form** before the lab.
* *(Optional bonus)*: Create a simple index.html file with a proper <head> including meta tags and a favicon link (no CSS or content required yet).