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!

- 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>

2. Which element should **not** wrap the entire content if <main> already exists?
    A. <div id="container">   B. <main>   C. <section>   D. <article>

3. The correct way to include a favicon is:
    A. Inside <body>   B. Inside <head> using <link rel="icon" …>C. Inside <footer>

4. Which tag is **not** a basic SEO meta tag?
    A. <meta name="description" …>   B. <meta name="viewport" …>
    C. <meta property="og:title" …>   D. <meta name="robots" …>

5. Which tag defines the **main navigation area**?
    A. <nav>   B. <aside>   C. <footer>   D. <figure>

6. 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)

7. 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>
```

8. 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).

9. 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.

10. 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)

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

o `<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.

12. 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.

13. 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).