International University

School of Computer Science and Engineering

Web Application Development

Laboratory

IT093IU

Lab #1

Submitted by

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Exercise 1:

SOLUTION:

```html
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6      <meta name="keywords" content="youtube,video" />
7      <meta property="title" content="Web Application Development" />
8      <meta property="description" content="Web Application Development" />
9      <title>Lab 1 – Curriculum Vitae</title>
10     <style>
11       label {
12         font-size: 20px;
13       }
14     </style>
15     <link rel="icon" type="image/x-icon" href="favicon.ico" />
16   </head>
17   <body>
18     <main style="display: flex; align-items: center; justify-content: center">
19       <section
20         style="
21           padding: 0 24px 0 24px;
22           margin-top: 32px;
23           border: 2px solid black;
24         "
25       >
26         <div
27           style="
28             width: 50%;
29             padding: 1.5px;
30             background-color: black;
31             margin-top: 32px;
32           "
33         ></div>
34         <h1>Nguyễn Hồng Ngọc Hân</h1>
35         <label style="color: green">Junior Frontend Developer</label>
36         <section
37           style="display: flex; flex-direction: column; margin: 8px 0 32px 0"
38         >
39           <label>Di An</label>
40           <label>HCM</label>
41           <label>*******778</label>
42           <label>ITCSIU22229@student.hcmiu.edu.vn</label>
43         </section>
```
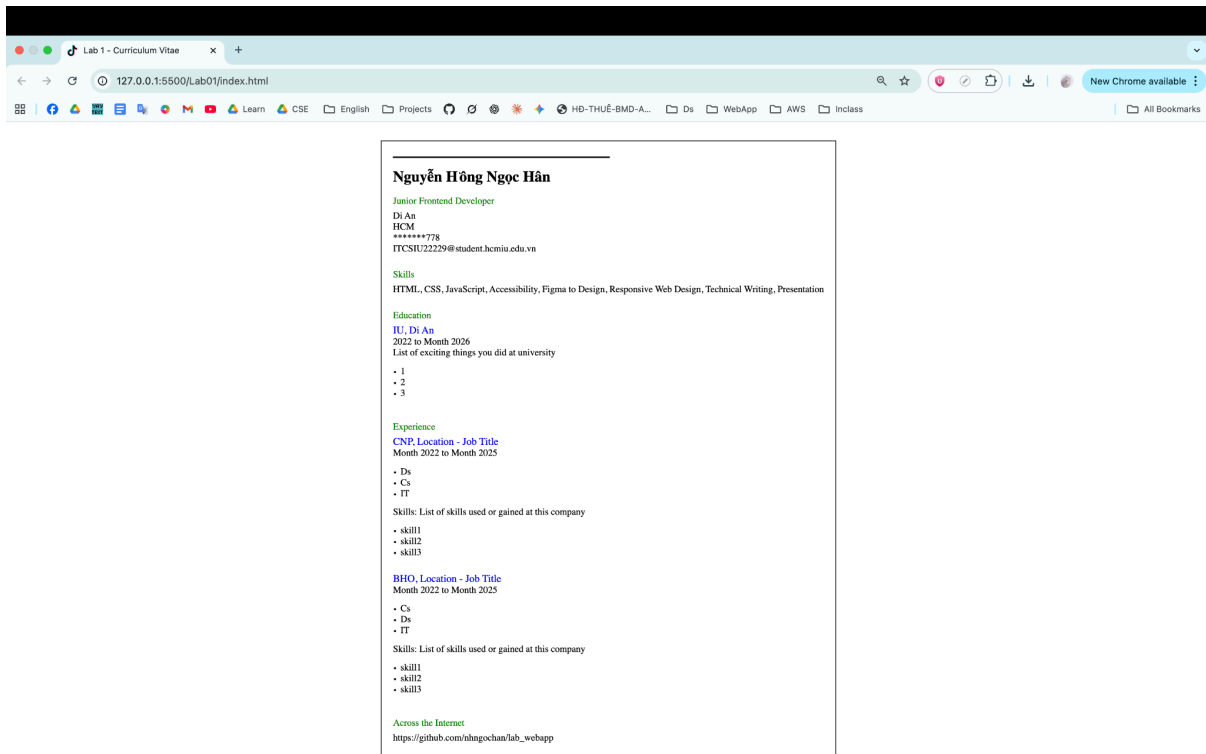
```html
<label style="color: green">Skills</label>
    <section
      style="display: flex; flex-direction: column; margin: 8px 0 32px 0"
    >
      <label
        >HTML, CSS, JavaScript, Accessibility, Figma to Design, Responsive
        Web Design, Technical Writing, Presentation</label
      >
    </section>
    <label style="color: green">Education</label>
    <section
      style="display: flex; flex-direction: column; margin: 8px 0 32px 0"
    >
      <label style="font-size: 22px; color: blue">IU, Di An</label>
      <label>2022 to Month 2026</label>
      <label>List of exciting things you did at university</label>
      <ul style="padding: 0; padding-left: 16px">
        <li><label>1 </label></li>
        <li><label>2 </label></li>
        <li><label>3 </label></li>
      </ul>
    </section>
    <label style="color: green">Experience</label>
    <section
      style="display: flex; flex-direction: column; margin: 8px 0 32px 0"
    >
      <label style="font-size: 22px; color: blue"
        >CNP, Location – Job Title</label
      >
      <label>Month 2022 to Month 2025</label>
      <ul style="padding: 0; padding-left: 16px">
        <li><label>Ds</label></li>
        <li><label>Cs</label></li>
        <li><label>IT</label></li>
      </ul>
      <label>Skills: List of skills used or gained at this company</label>
      <ul style="padding: 0; padding-left: 16px">
        <li><label>skill1</label></li>
        <li><label>skill2</label></li>
        <li><label>skill3</label></li>
      </ul>
      <label style="font-size: 22px; color: blue; margin-top: 16px"
        >BHO, Location – Job Title</label
      >
      <label>Month 2022 to Month 2025</label>
      <ul style="padding: 0; padding-left: 16px">
        <li><label>Cs</label></li>
        <li><label>Ds</label></li>
        <li><label>IT</label></li>
      </ul>
      <label>Skills: List of skills used or gained at this company</label>
      <ul style="padding: 0; padding-left: 16px">
        <li><label>skill1</label></li>
        <li><label>skill2</label></li>
        <li><label>skill3</label></li>
      </ul>
    </section>
    <label style="color: green">Across the Internet</label>
    <section
      style="display: flex; flex-direction: column; margin: 8px 0 32px 0"
    >
      <label>https://github.com/nhngochan/lab_webapp</label>
    </section>
  </section>
  </main>
  </body>
</html>
```

OUTPUT:

Key requirements for this project:
 • Semantic HTML: Use appropriate HTML tags to structure your CV.
Reading: Semantic HTML | web.dev
- What: Using meaningful tags like <header>, <main>, <section>, <article>, <footer>, instead of just <div> and <label>.
- Why: Helps browsers, screen readers, and search engines understand the structure of your page better (important for accessibility and SEO).
- When: Always — whenever you create structured sections such as profile info, education, experience, or contact.

• SEO Meta Tags: Include essential meta tags for SEO. (optional)
- What: Meta tags describe your page for search engines.
- Why: Improve how your CV appears in search results and help define keywords & descriptions.
- When: Always place inside <head>.
- How:

```
<meta charset="UTF-8" />
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<meta name="keywords" content="youtube,video" />
```

• Open Graph (OG) Tags: Add OG tags for better social media sharing:
https://web.dev/learn/html/metadata#open_graph
  ● What: Metadata that controls how your CV looks when shared on
    social media (Facebook, LinkedIn, etc.).
  ● Why: It makes your shared link display with a nice title, description,
    and thumbnail.
  ● When: sharing online.
  ● How:
```
<meta property="title" content="Web Application Development" />
<meta property="description" content="Web Application Development" />
```
• Favicon: Add a favicon for your CV page.
  ● What: A small icon shown on browser tabs.
  ● Why: Helps users recognize your site easily.
  ● When: Always include one for professional presentation.
  ● How:
```
<link rel="icon" type="image/x-icon" href="favicon.ico" />
```