Introduction to Web Development

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What is Web Development?

Getting started in web development.

Web development

- Web development refers to the creation and maintenance of websites, web applications, and other digital services that are accessible through the internet.

Components to web development

Front-End Development

- This refers to the design and development of the user interface (UI) of a website. It involves creating HTML, CSS, and JavaScript code that makes the website interactive and visually appealing.

Back-End Development

- This refers to the development of the server-side of the website. It involves creating code that communicates with the database and the user interface and handles the logic and functionality of the website.

Full-Stack Development

- This refers to the development of both the front-end and back-end of the website. A full-stack developer is proficient in both front-end and back-end development.

Technologies to Get Started with Web Development

HTML Code Example

```html
1  <!doctype html>
2  <html lang="en">
3          <head>
4                  <meta charset="utf-8">
5                  <title>Hello, world!</title>
6          </head>
7          <body>
8                  <h1>Hello, world!</h1>
9                  <p>My first web page.</p>
10         </body>
11 </html>
```

CSS Code Example

JavaScript Code Example

```javascript
15
16  const LOCALE = globalThis.navigator.language
17
18  const div = document.body.appendChild(document.createElement('div'))
19  const list = div.appendChild(document.createElement('ol'))
20
21  const dayNames = new Map()
22
23  for (let i = 0; i < 7; ++i) {
24      const d = Temporal.PlainDate.from({
25          year: Temporal.Now.plainDateISO().year,
26          month: 1,
27          day: i + 1,
28      })
29
30      dayNames.set(d.dayOfWeek, d.toLocaleString(LOCALE, { weekday: 'long' }))
31  }
32
33  for (const num of [...dayNames.keys()].sort((a, b) ⇒ a - b)) {
34      list.appendChild(Object.assign(
35          document.createElement('li'),
36          { textContent: dayNames.get(num) },
37      ))
38  }
39
```

Resources

W3Schools

Codecademy

Mozilla Developer Network(MDN)

FreeCodeCamp

Udemy

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Just take one step at a time, because as we know it, SKILL COMPOUNDS."

- SAMUEL KAPANSA

Thank You

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