

FOUNDATIONS OF WEB DESIGN

CLASS 1

Course
Overview

Setting up
VS Code



AGENDA ★

Introductions



Class Overview



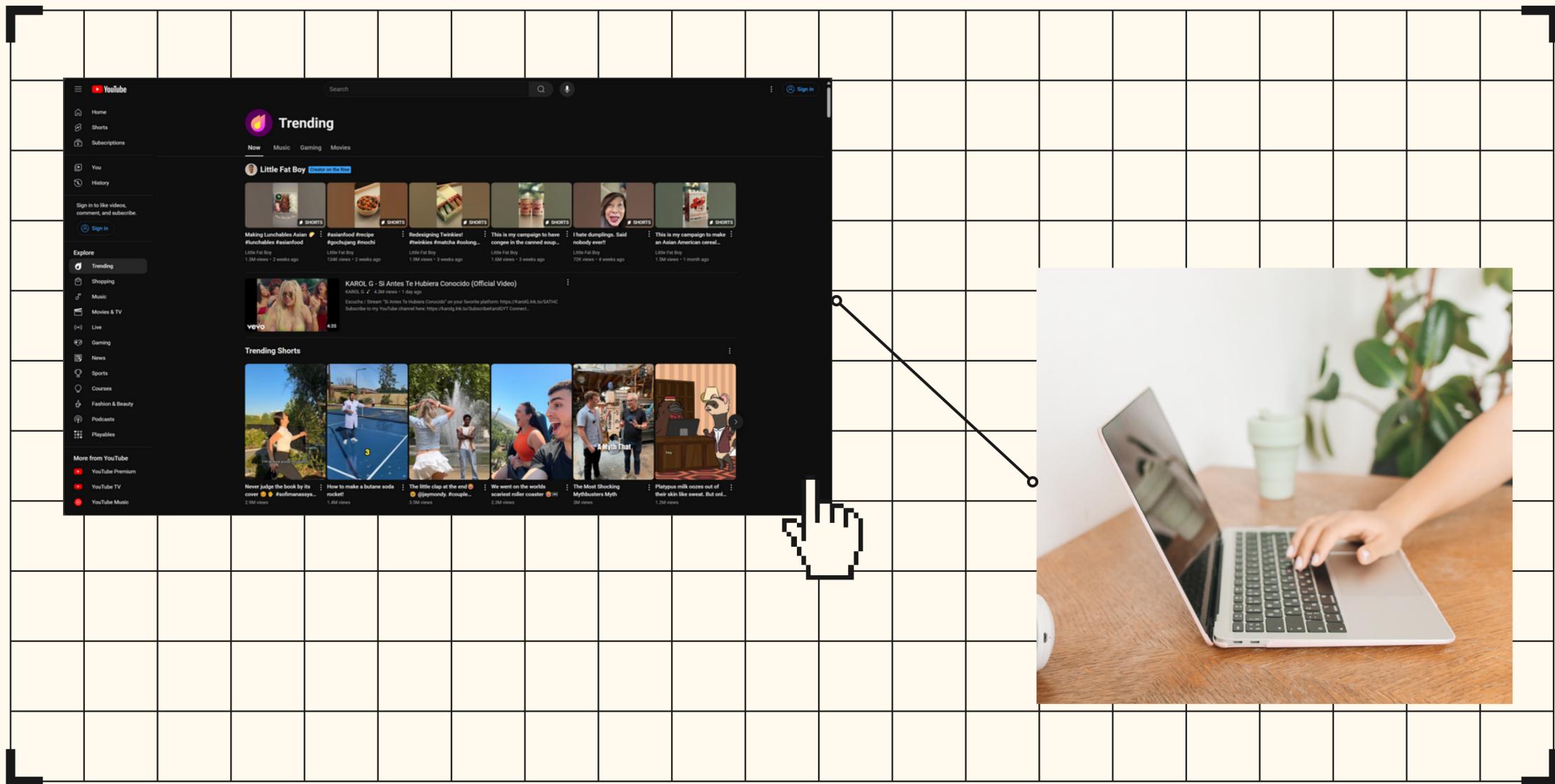
How do Websites Work?



Installing VS Code



Your First Website



INTRODUCTIONS



I'm an upcoming IT Senior here at UMB.



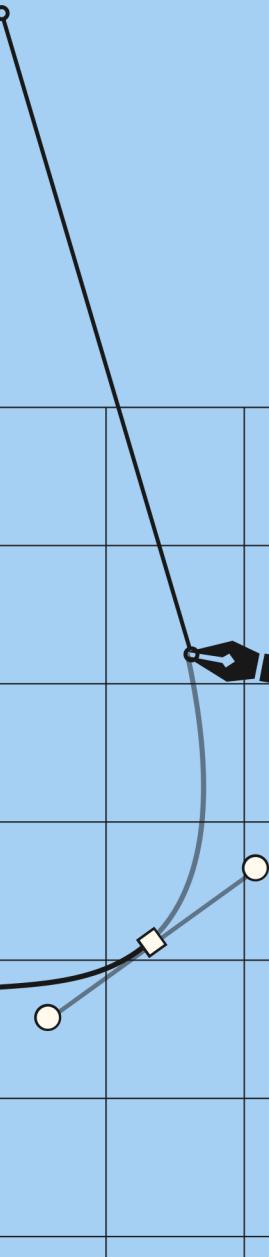
I work here in the Technovator.

In my free time I like to learn about web development. I think making websites is really fun.



DAVID MARTINEZ

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COURSE OVERVIEW



COURSE OUTCOMES

SAVE



Duration: 8 weeks

Meeting When: 11AM-12:30PM Tues/Thurs

Location: IT Technovator @ Wheatley, Third Floor, Room 136

Deliverables: Class Exercises/Projects

Course Site: <https://dem-1323.github.io/foundations-of-web-design/>

HTML & CSS

Version Control

Responsive Design

Project Development

Multimedia Intergration

Portfolio Creation

Basic JavaScript

Collaboration Skills

WHAT TO EXPECT

- **Class Exercises**
 - Focusing on building practical skills
- **Group Work**
 - Collaborating on projects

- **Hands-On Projects**
 - Building web pages, practicing responsive design
- **Final Project**
 - Create and host a personal portfolio

Week 1: Intro to Web Design

Week 2: Advanced HTML

Week 3: Intro to CSS

Week 4: Design Principles

Week 5: Advanced CSS

Week 6: CSS Animations/Transitions

Week 7: Intro to JavaScript

Week 8: Final Portfolio

INTRO TO WEB DESIGN



What Is It?

Crafting the look and feel of a website.

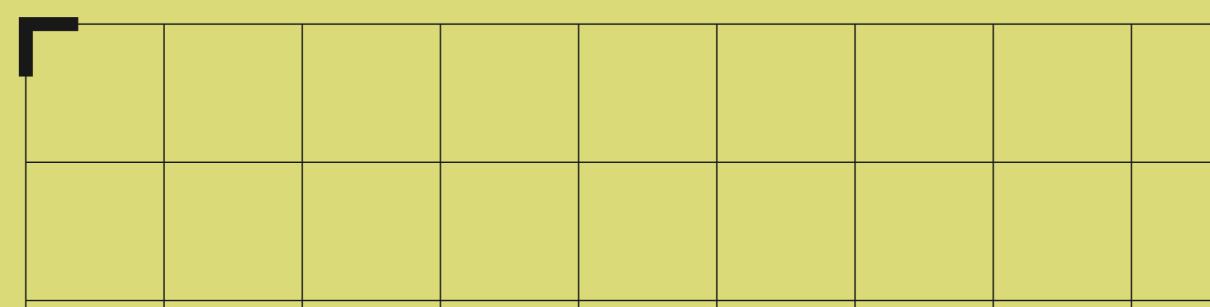
A hand cursor icon pointing towards the text.

Importance

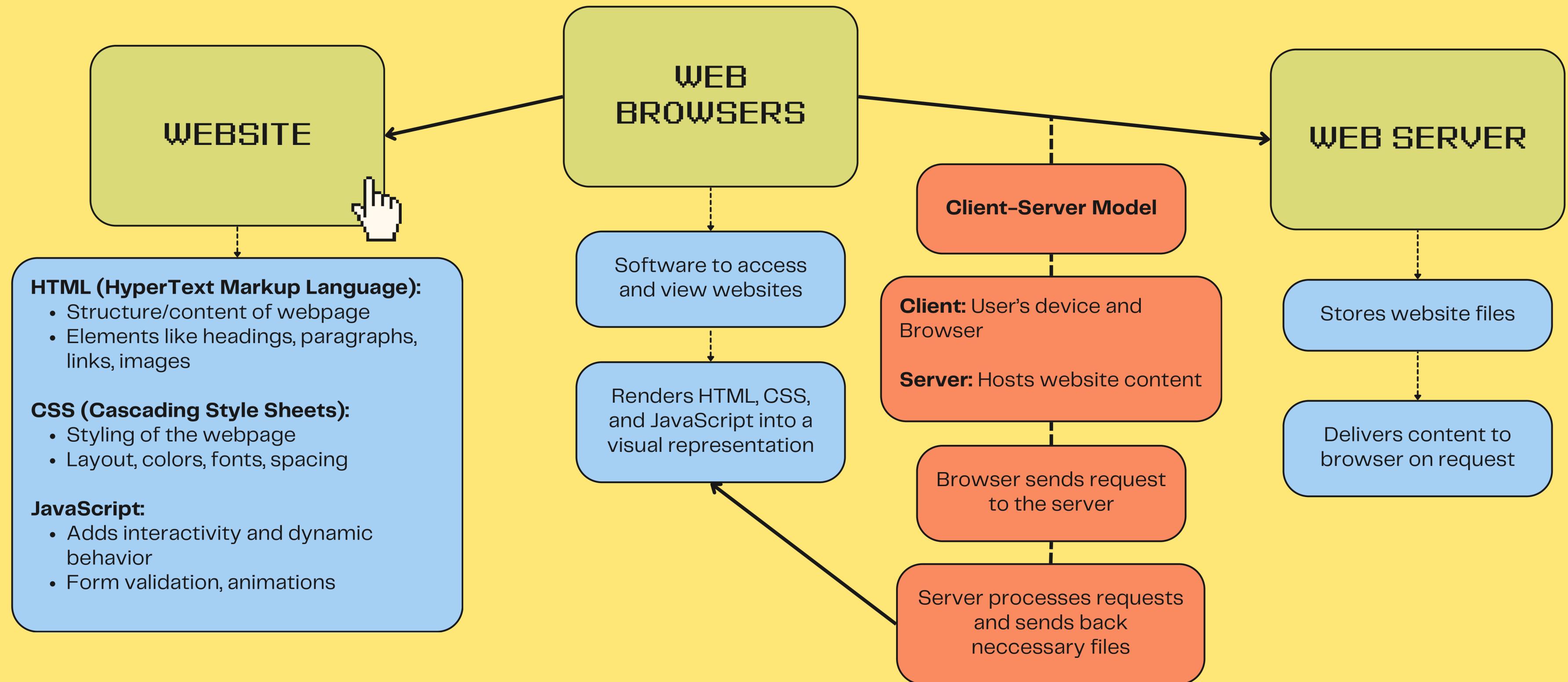
Important for user engagement and accessibility

Components

Layout, visuals, functionality, and user experience.



HOW WEBSITES WORK



SETTING UP YOUR DEVELOPMENT ENVIRONMENT

DOWNLOAD VS CODE:

- Go to [VS Code Download Page](#)
- Select **Windows** and Download Installer

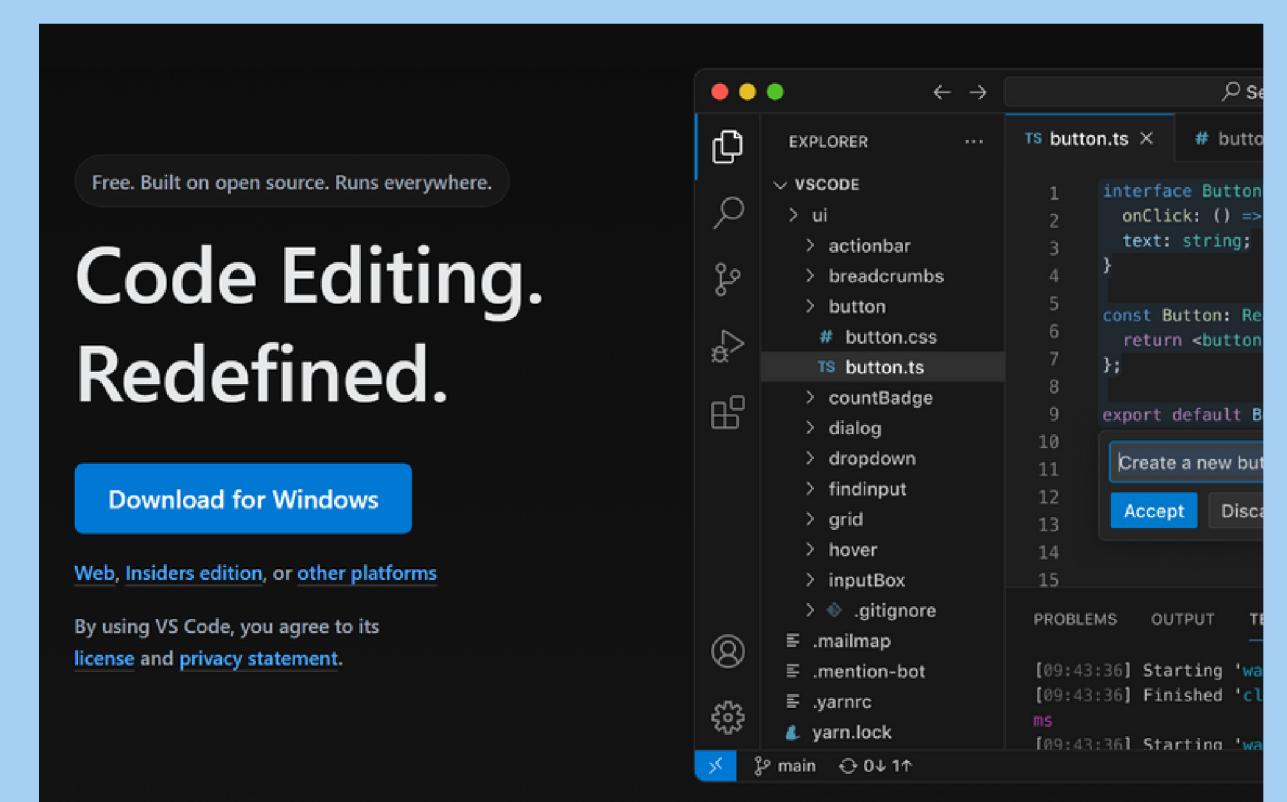
INSTALLATION STEPS:

- Run the **Installer**, follow prompts
- Select option to add VS Code to **Path**

ONCE YOU MAKE AN ACCOUNT

INSTALL EXTENSIONS:

- Live Server
- Live Preview
- Prettier
- HTML CSS Support



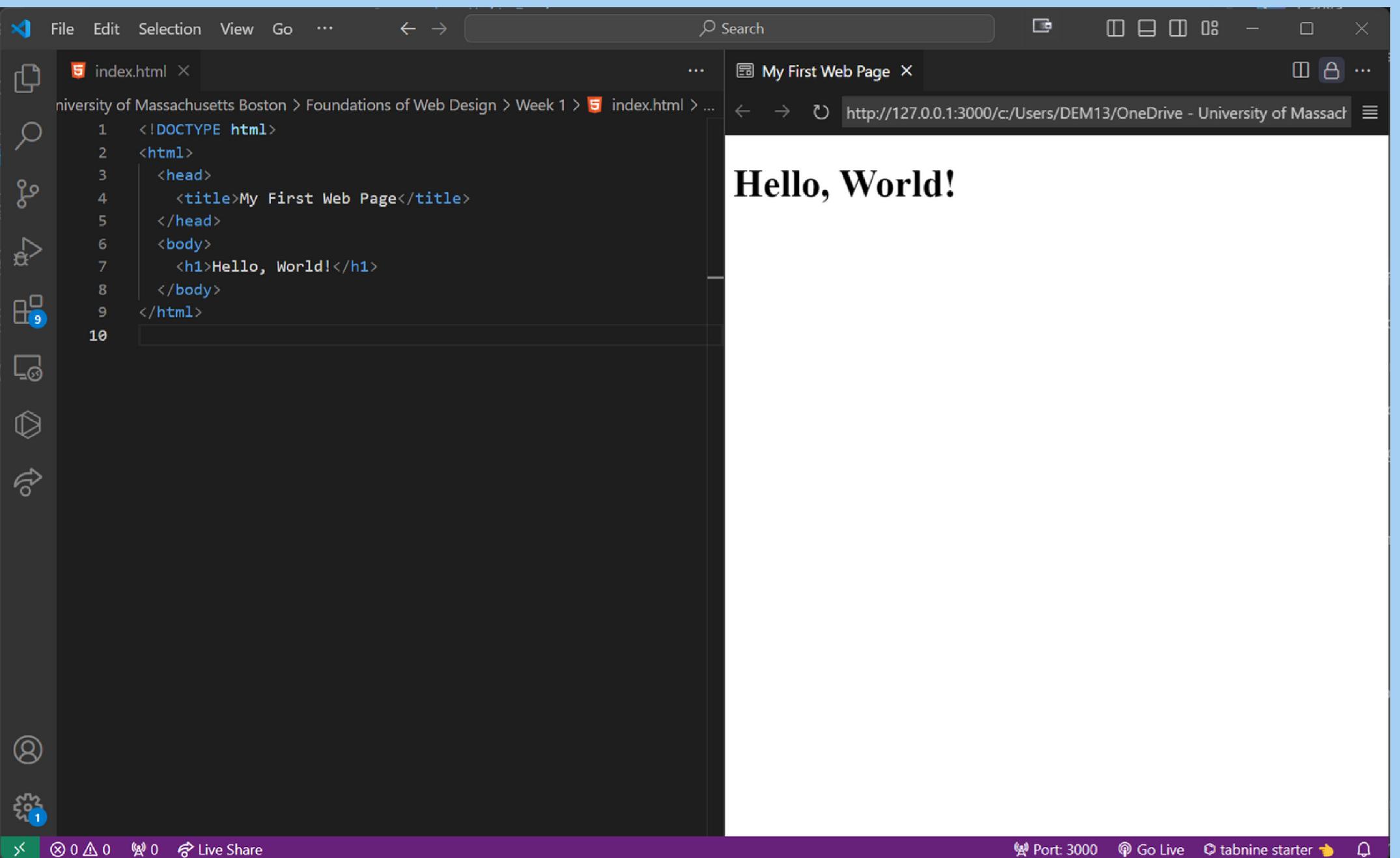
CREATING YOUR FIRST HTML FILE

OPEN VS CODE:

- Create a new file
- Save it as CEO1.html

COPY CODE INTO FILE:

- Open the file using Live Preview



The screenshot shows a Microsoft Edge browser window displaying the content of an HTML file. The title bar says "My First Web Page". The address bar shows the URL "http://127.0.0.1:3000/c:/Users/DEM13/OneDrive - University of Massachusetts Boston/Foundations of Web Design/Week 1/index.html". The main content area displays the text "Hello, World!" in a large font. On the left, the Visual Studio Code interface is visible, showing the same HTML code with line numbers 1 through 10. The code includes a DOCTYPE declaration, an HTML element, a head element containing a title element with the text "My First Web Page", and a body element containing an h1 element with the text "Hello, World!".

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>My First Web Page</title>
5  </head>
6  <body>
7  <h1>Hello, World!</h1>
8  </body>
9  </html>
10
```