SocialSync

Welcome to the Workshop

Let's Build Together

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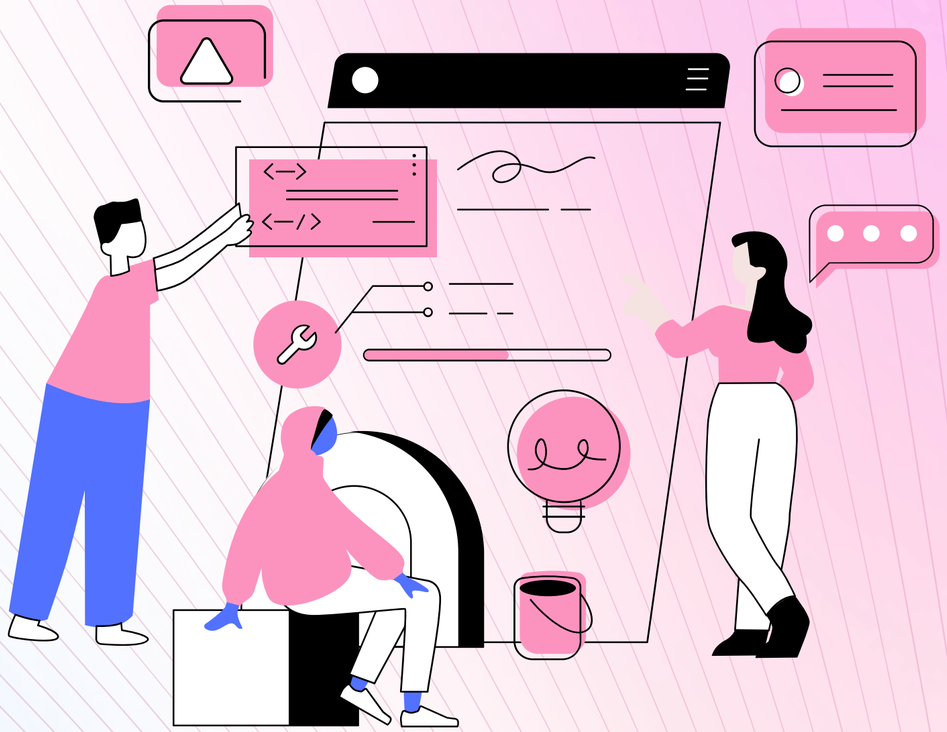
What You'll Learn Today

- What is Web Development?
- How the Internet Works
- Website Structure & SEO
- Traditional Layouts vs Modern
- Inspect Tool
- Setup Tools + GitHub + Task



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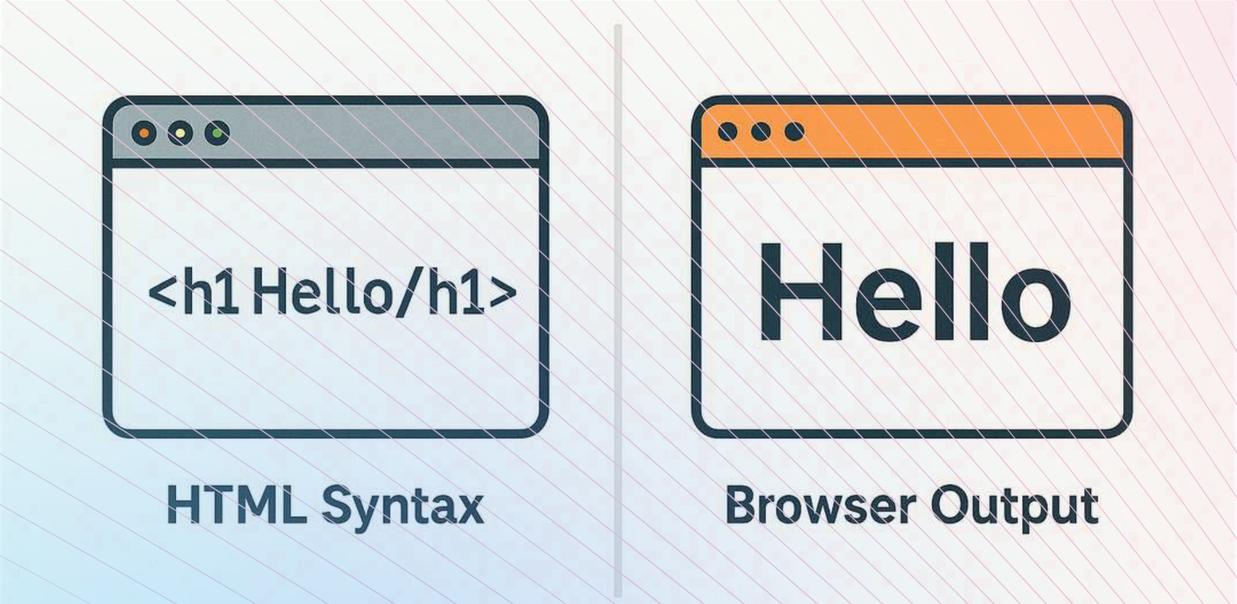
What is Web Development?

Web Dev = Display of Info (HTML/CSS/JS)



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What is Web Development?

HTML is a markup language: uses elements written inside tags like ,

HTML defines structure and content NOT logic

Like writing a formatted note to be displayed on a webpage

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Localhost vs Hosting

Create HTML file → View via browser → Runs on local port

Other devices on Wi-Fi can access using IP:Port

To share with world → Need hosting

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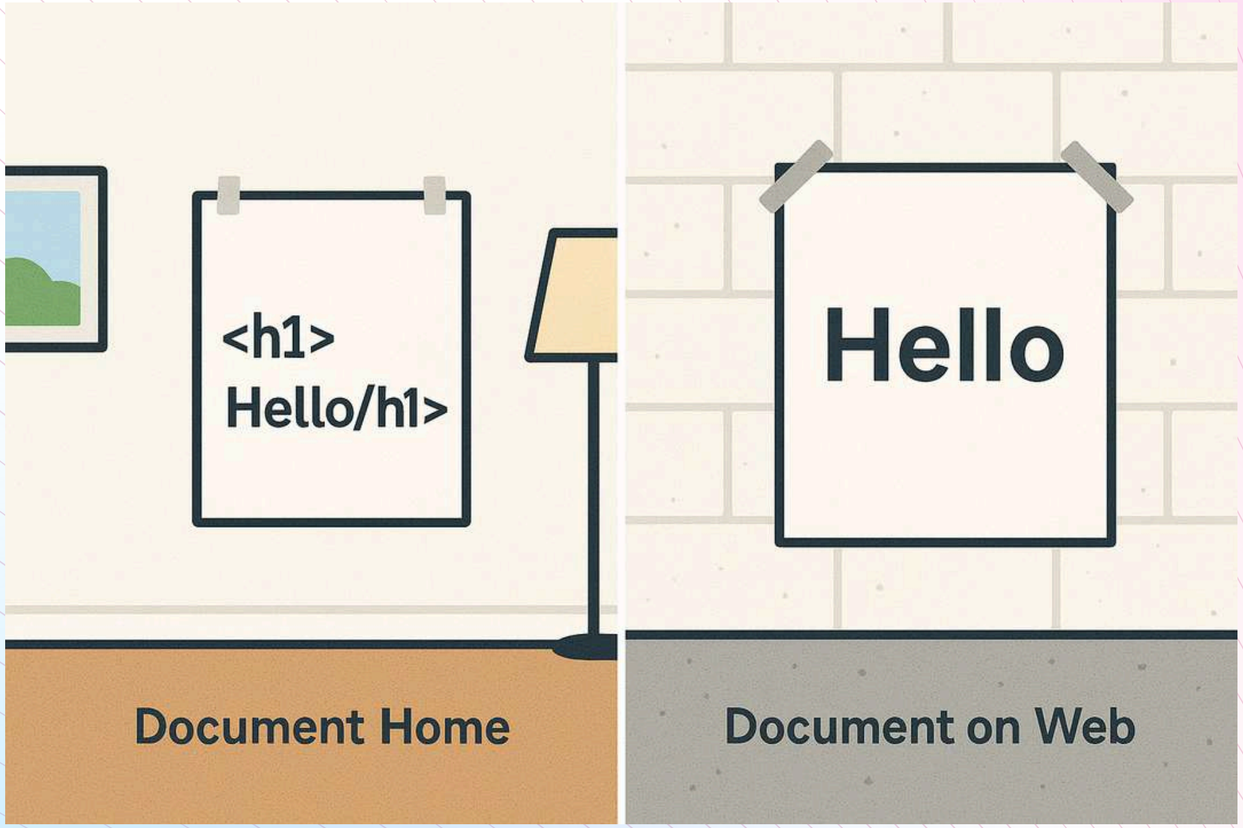
Localhost vs Hosting



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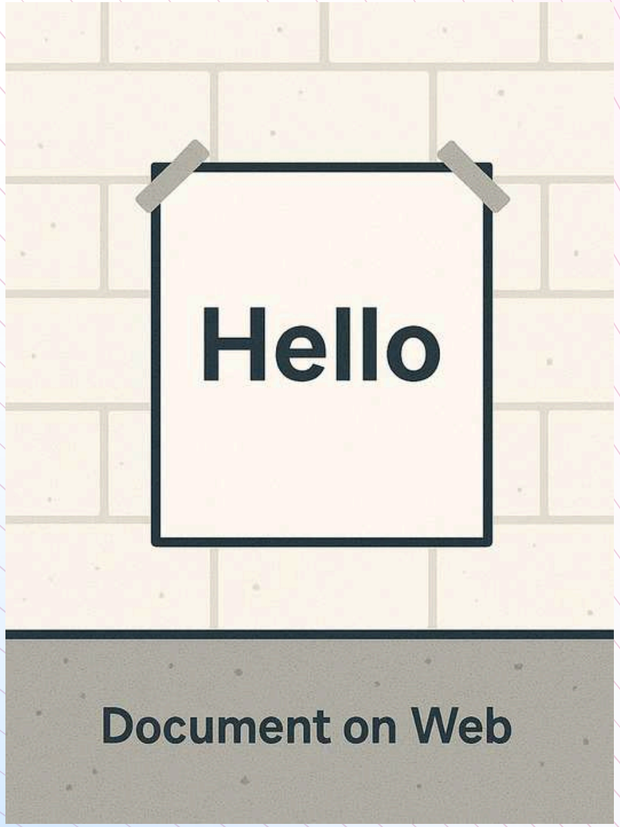
What is Hosting?



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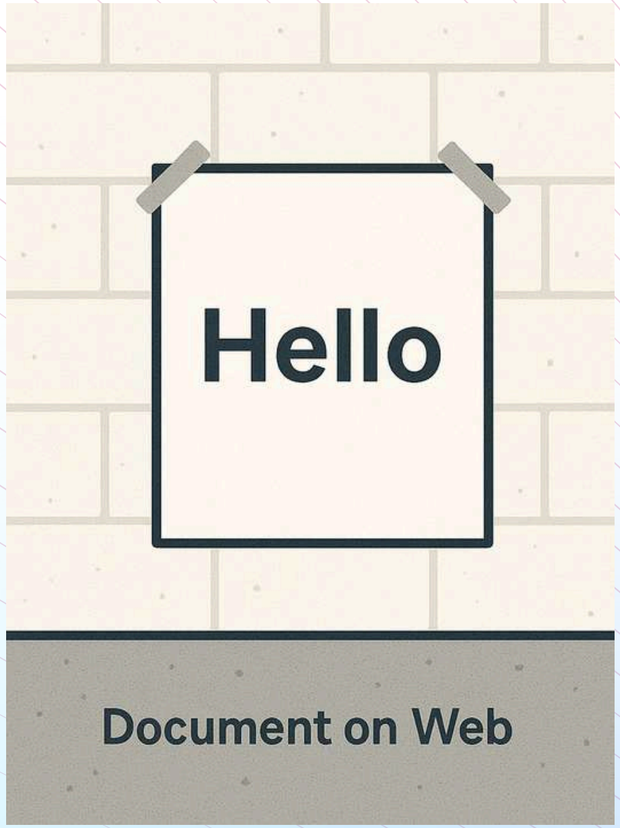

Hosting = Placing your file on public server

IP Address = Internet Address for content

Example: 8.8.8.8 (Google)

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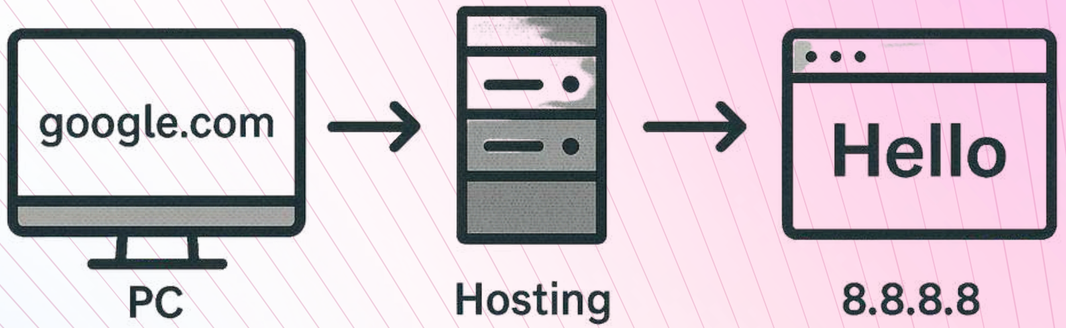
Why DNS Exists?

IP is hard to remember

DNS = Maps name to IP

(e.g., google.com → 8.8.8.8)

Paid domains = Your web identity



DNS maps domain names to IP addresses

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Pencil Poster to Cool Website

HTML - Pencil-written info

CSS - Colored, eye-catching poster

JS - Interactions like Forms , Toasts

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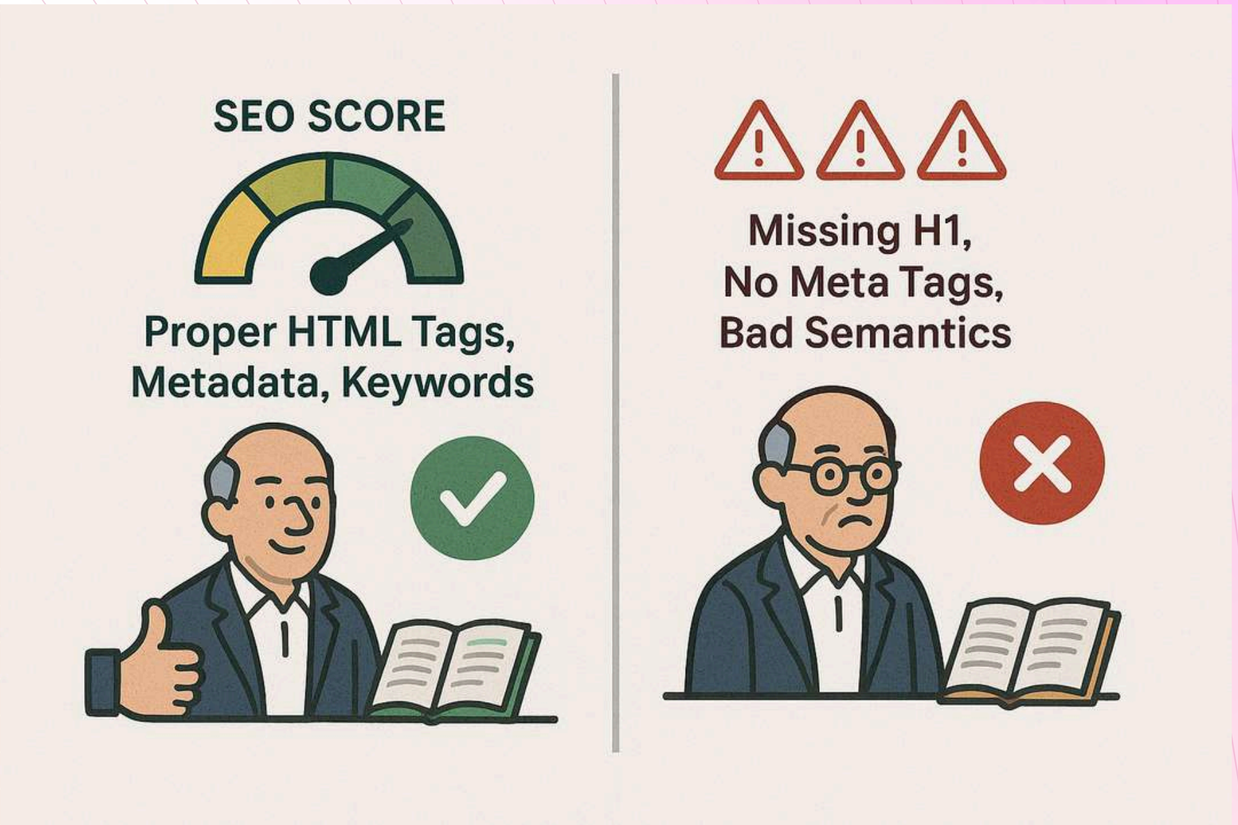
Why SEO Matters?

Use correct tags, semantics

Get ranked better in search



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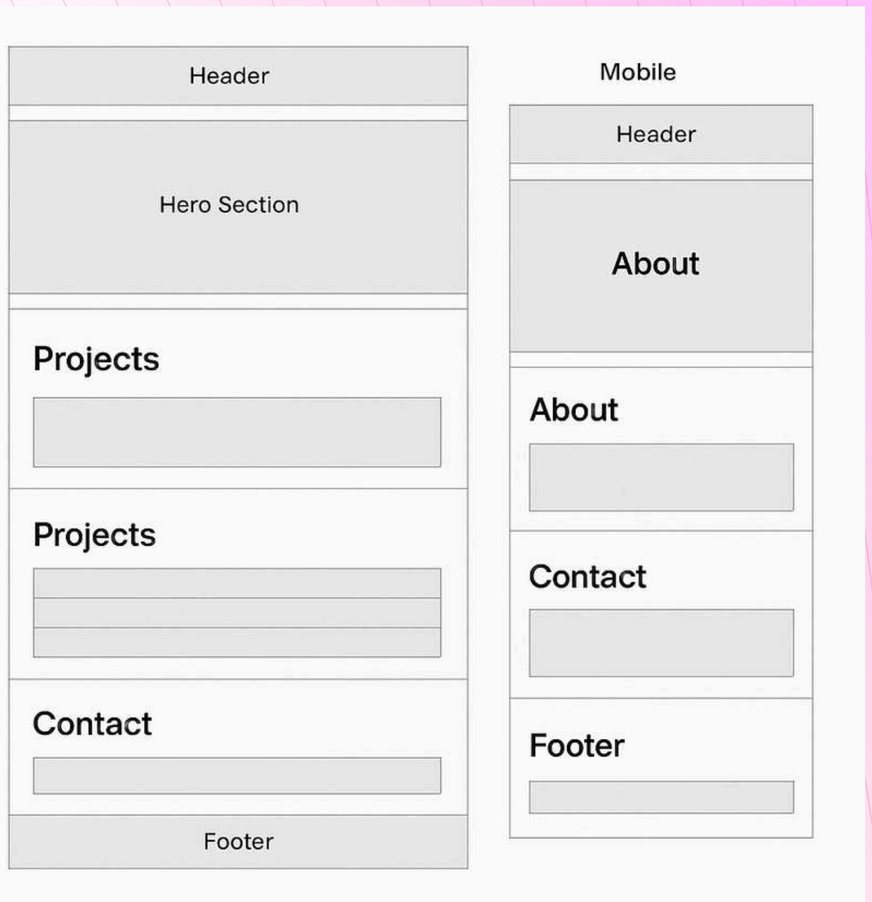
Traditional vs Modern Layout

Header > Hero > CTA Buttons >

Sections > Contact > Footer

Traditional layouts perform better

Modern = Responsive, mobile-first



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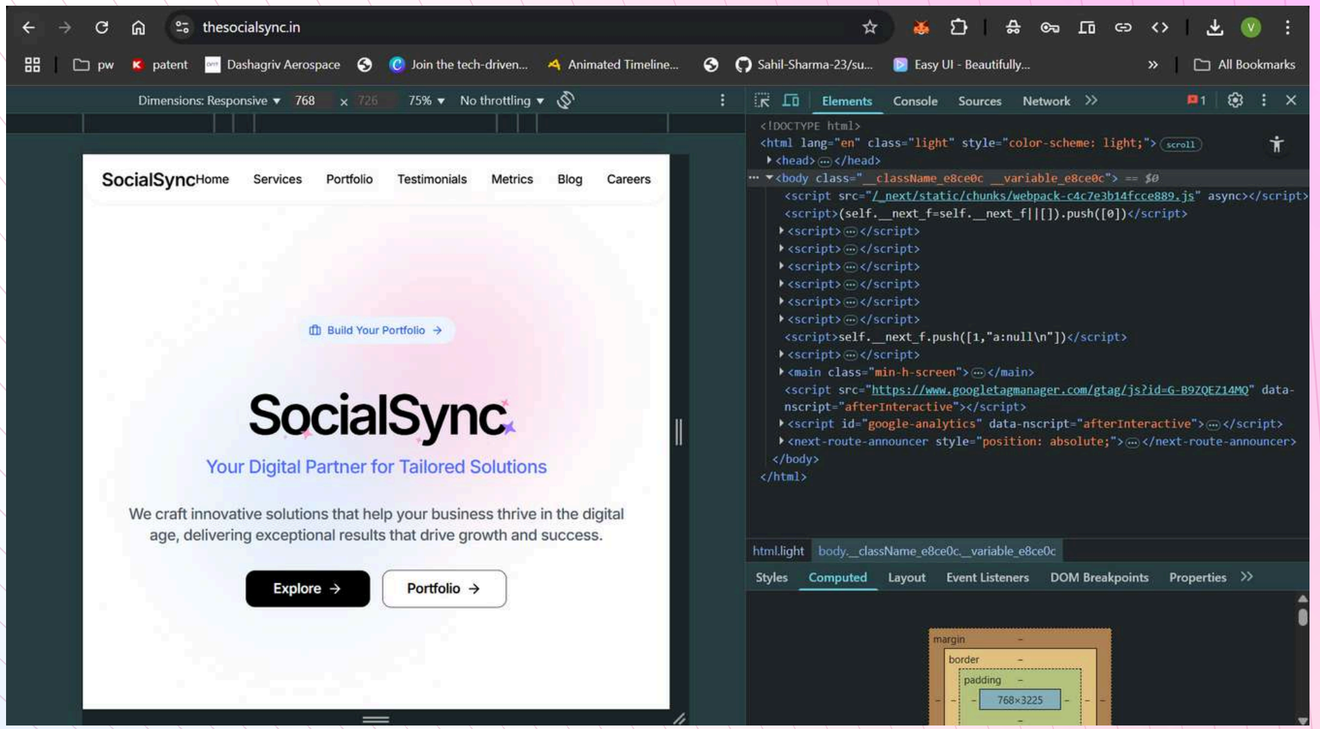
Inspect Tool Intro

Used to view HTML/CSS live

Modify code, debug issues

Use it to get styles from any site

Box Model - Sizing Spacing



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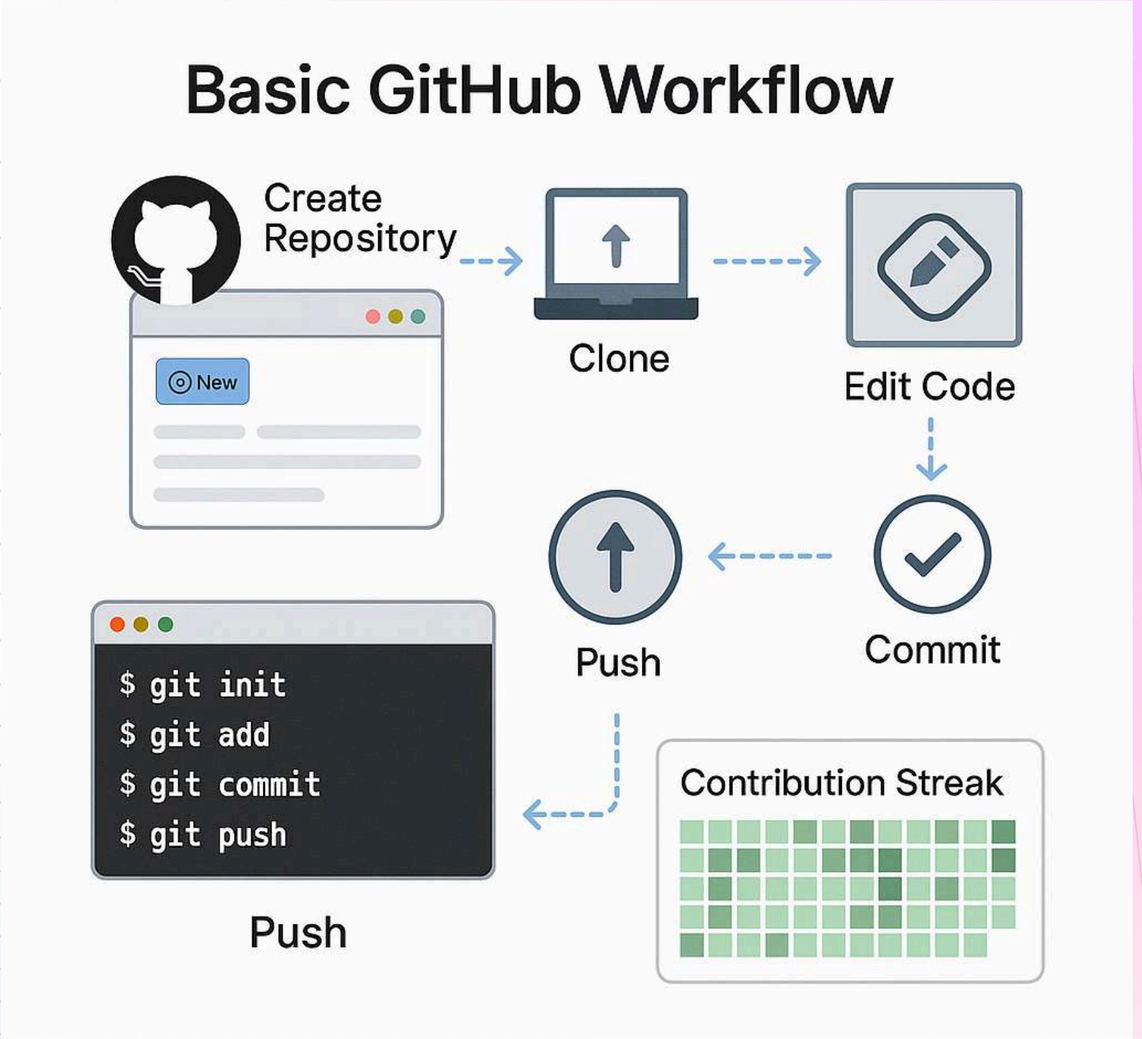
GitHub & Git Basics

Git = Track changes,

GitHub = Store/Share Code

GitHub = Your dev proof to world

CLI commands: push, pull, commit



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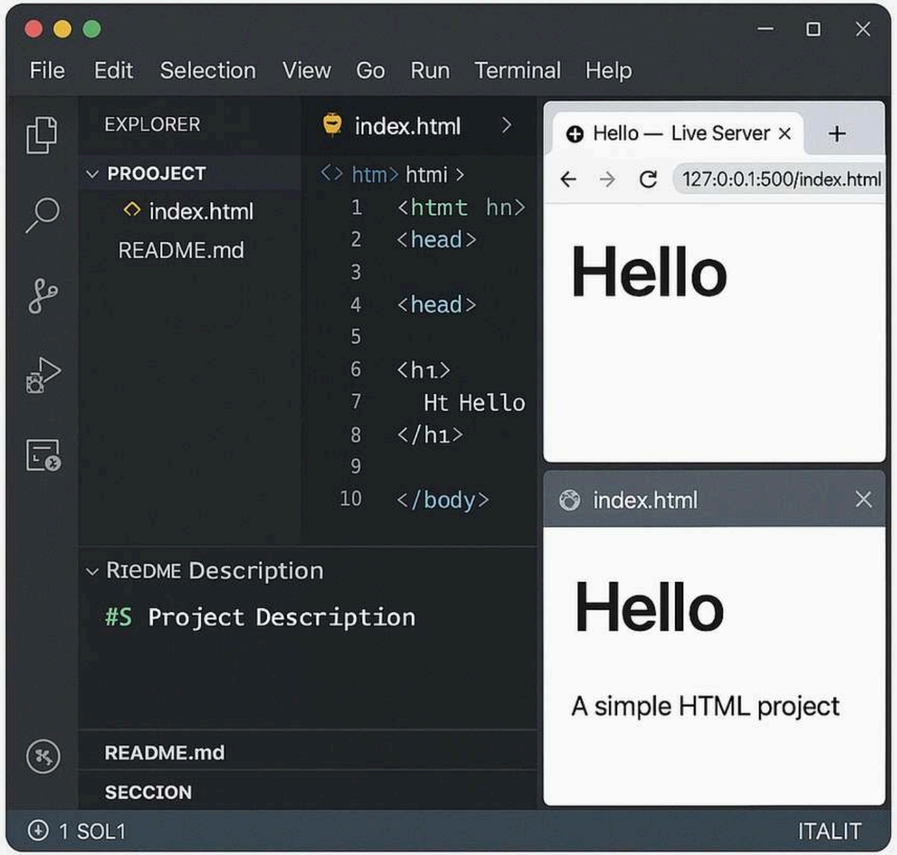
VS Code & Tools Setup

Install Git, VS Code, GitHub Account

Clone starter repo, run with Live Server

Get used to editing .html file and README.md

Make changes to index.html and push to GitHub



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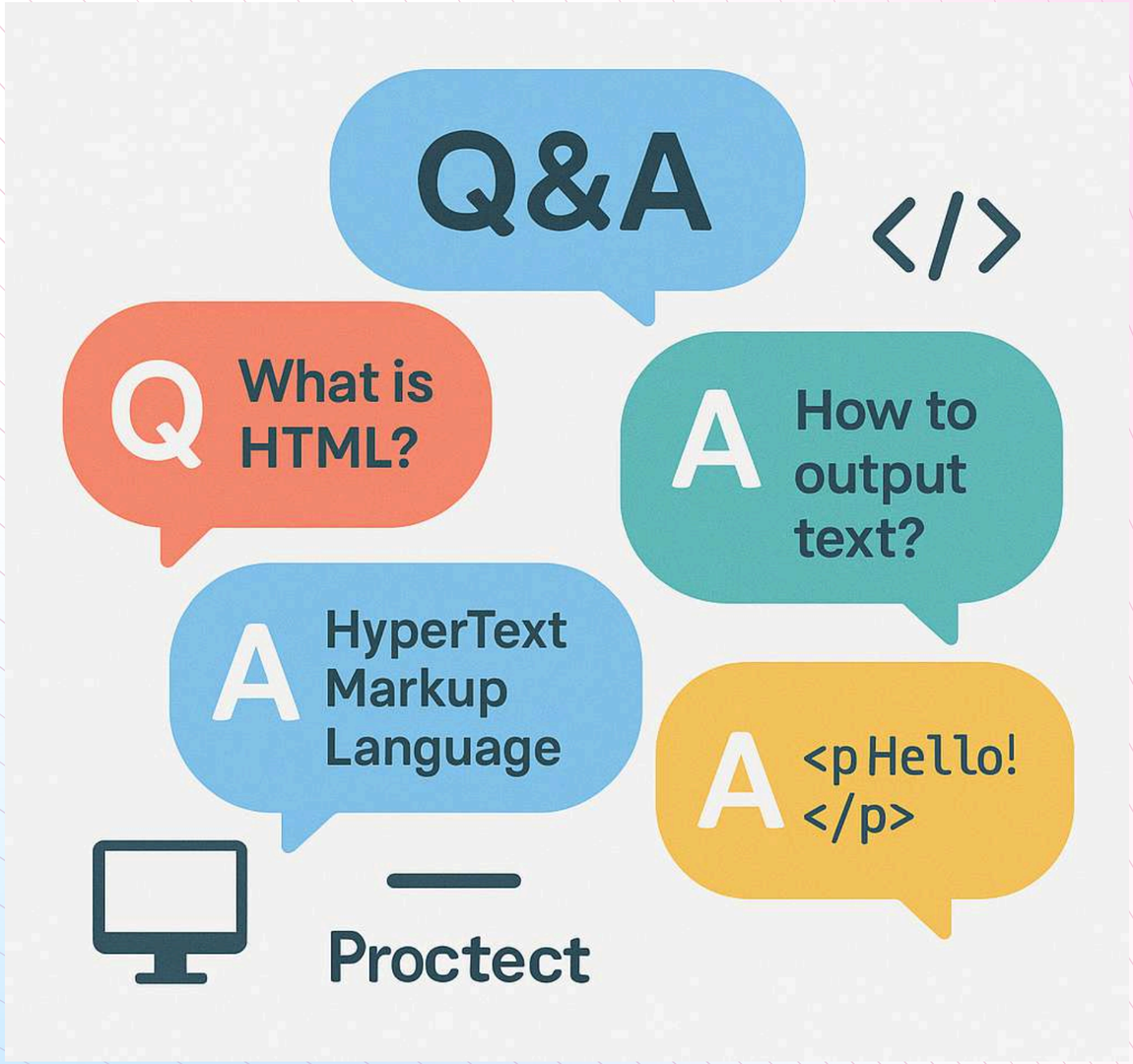
Q&A
</>
Q What is HTML?
A How to output text?
A HyperText Markup Language
A <p Hello! </p>
Proctect

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What's Next?

Keep a stable internet connection

One of you will build live while others follow

Use AI tools smartly, but learn the foundations first