

## Day 10

### Contents Covered:

#### Web Development Tools:

- **W3 Validator:**  
This tool checks HTML and CSS code against web standards, helping developers identify errors and warnings in their code. It ensures that websites are compliant with W3C standards, promoting better performance and compatibility across different browsers.
- **Axe DevTools:**  
A browser extension designed for accessibility testing, Axe DevTools helps identify and resolve accessibility issues within web applications. It provides detailed reports and recommendations, ensuring that websites are usable for individuals with disabilities.
- **WAVE (Web Accessibility Evaluation Tool):**  
WAVE assists developers in identifying web accessibility issues, offering visual feedback on how well a site meets accessibility standards. It highlights potential barriers and provides suggestions for improvement, helping to create more inclusive web experiences.
- **WhatFont:**  
This handy tool allows developers to identify fonts used on any webpage quickly. By simply hovering over text, users can view the font family, size, and other typographic details, which is particularly useful for web designers looking to maintain consistent typography.
- **ColorZilla:**  
A versatile color picker and gradient generator, ColorZilla helps web designers select and match colors accurately. It provides an eyedropper tool for picking colors from web pages, along with a gradient generator for creating smooth color transitions.
- **Wappalyzer:**  
This tool detects the technologies used on websites, including content management systems (CMS), frameworks, and analytics tools. It enables developers to understand the tech stack behind a site, assisting in competitive analysis and technology research.

#### Tasks:

##### Tool Installation

Participants installed the above web development tools, familiarizing themselves with each tool's functionality and application in web development.

##### Practical Application

Participants utilized the installed tools to check code compliance, test accessibility, identify fonts, select colors, and analyze website technologies. This hands-on experience reinforced their understanding of how to effectively use these tools in real-world scenarios.

## **Tools Utilized:**

- **Chrome Browser:** Used for installing and accessing web development tools.
- **Extensions:**
  - W3 Validator
  - Axe DevTools
  - WAVE
  - WhatFont
  - ColorZilla
  - Wappalyzer

## **Summary:**

Day 10 concentrated on enhancing web development skills through the exploration of essential tools like W3 Validator, Axe DevTools, and WAVE, which focus on code quality and accessibility. Participants engaged in practical tasks that allowed them to utilize these tools effectively, ensuring compliance with web standards and promoting inclusive web experiences. Overall, the day provided valuable insights into using various web development tools to streamline the development process and improve website quality.