Course Syllabus

GitHub Copilot with JavaScript

We are glad you have joined us for this course! Here is some information that will help you to navigate your learning platform and locate course content.

Joining the Session
Before the first live session please confirm that you can access Zoom:

1. Visit https://support.zoom.us and click on **Getting Started**.
2. Attn Percipio Users - The **Join live course** option is available where you registered for the session in Percipio 15 minutes prior to the start of class.

Course Description

In this bootcamp, we will explore a powerful and essential tool for JavaScript programmers, GitHub Copilot. We will be focusing on practical, hands-on experience with GitHub Copilot, a tool that integrates directly into your code editor to provide real-time suggestions and even generate code for you. With copilot you can boost productivity, enhance learning, reduce errors and even spark creativity.

Target Audience
Newer JavaScript programmers with at least 1 year working experience.

Agenda

- After completing this course participants will be able to add GitHub Copilot to VS Code
- Interact with Copilot via its Chat interface(s)
- Build a starter JavaScript application
- Solve typical JS coding problems with Copilot

Topics

Getting Started with GitHub Copilot (15-20 minutes): Installation and basic features of Copilot

Building a Starter Project with Copilot (15-20 minutes): Use Copilot to generate the foundational HTML structure for our calculator project

Developing the Calculator Logic with JavaScript and Copilot (60-70 minutes): This will be the core of our coding challenge. We'll heavily leverage Copilot to help us write the JavaScript logic for handling user input, performing arithmetic operations, and updating the calculator's display.

Styling with Copilot: Basic CSS to Make it Look Nice (10-15 minutes): We'll then briefly explore how Copilot can assist with generating some basic CSS rules to give our calculator a presentable appearance.

Tips, Tricks, and Best Practices (time-permitting): We'll wrap up with valuable tips on how to effectively prompt Copilot.

Technical Support
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