

Hands-on AI-Assisted Development

IT track

Prepared for TechnoPro, Inc. / Givery, Inc.



Use this document to check things during the course and to look back after it

ends. The course covers, in one continuous flow, building a working web app, adding features to existing code, test design, E2E tests, and locking in steps with skills and agents. You run everything in the browser.

It is 8 hours a day for 3 days. There are 2 weeks between Day 1 and Day 2, and 1 week between Day 2 and Day 3.

Tools

Tool	Role
VSCoDe	This is where you write code and text
GitHub Copilot	A partner you can consult inside VS Code. You can make your requests in English
Browser	This is where you run what you built and check it

You do not use Python or Node.js. No extra installation is needed. The setup works as is on loaner PCs without administrator rights.

To load data, drag the file onto the page and drop it.

Rules to follow during the course

As participants, you handle information from your client sites. In the exercises, assume the following.

- Generalize client names, product names, project names and partner names to the industry or process level
- Do not use real data, real files or screenshots
- Avoid specific values for figures and specifications, and write at the level of purpose, issues and expected effects
- Before you submit, check yourself that the content is safe to send outside the company

If unsure, ask yourself, "Would this text be a problem if it left the company?" If so, rewrite it. If a submission is required, submit only the text you have put into words. You do not need to submit code or real data.

Day 1 content

How the time is used

Morning 100min	Environment setup (VS Code, GitHub account, Copilot invitation, connection check)
Morning 30min	The world of AI-driven development (how LLMs and agents work)
Afternoon 95min	Copilot basics (Ask, Agent, Plan, Keep), handling confidential information, and prompt patterns
Afternoon 60min	A working web app from a 5-line spec (vibe coding, checking in the browser)
Afternoon 75min	Adding features to an existing app (have the AI read it first → add filtering and totals → cross-check)
Afternoon 90min	Choosing the right model, rolling out instructions files across the team, and review

Day 2 content

How the time is used

Morning 60min Extracting the handout ZIP, and debugging with AI (break one line, tell the AI only the symptom, and have it fix the bug)

Morning 37min Dividing test work between humans and AI

Morning 114min Extracting test viewpoints and generating test cases (the test case table for the features you added on Day 1)

Afternoon 60min Test design basics (source of expected results, requirement IDs, decision tables)

Afternoon 70min Test data and test report

Afternoon 73min Implementing the import and unit tests (a person judges the tests the AI wrote)

Afternoon 27min Gaps in display and export (security)

Afternoon 9min Review and a preview of Day 3

Day 3 content

How the time is used

Morning 10min Review of Day 2 and preparation for today

Morning 90min E2E tests that run in the browser alone (read it, break it to check, and add execution results to the test report)

Morning 120min Locking in the steps and the reviewer (skills, instructions, agents)

Afternoon 40min Certification and Literacy Check

Afternoon 120min Practical exam (import the September data in the new format and submit your decisions)

Afternoon 60min Feedback session, responding to comments, and the Certificate of Completion

Troubleshooting

Symptom	What to check
The Chat view does not appear	Close VS Code and open it again. If it still does not appear, speak to the instructor
Cannot sign in	Check whether you have accepted the invitation from the link in the email. Also look in your spam folder
No reply comes back	The company network may be restricting access. The instructor will check individually
What you built does not run	Check that you saved the file. If the screen is blank, press F12, paste the one red line as it is, and ask for help

It is fine if it is not fixed on the same day. We will handle it individually before the next session.

After the course

You can use the same approach after the course ends. Prepare your request, then check what comes back yourself. Taking home just this order is enough.

▼ If you want to go further

When your data grows to hundreds of thousands of rows, when you need to match several records by time, or when you need statistical tests, adopting Python is the next option. The approach you learn in this course, deciding "what to ask the AI and how," carries over as it is.

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