



Pre-reading

Hands-on AI-Assisted Development: IT track, Session 3 Pre-reading

Hands-on AI-Assisted Development: IT track, Session 3

You can read this in about 10 minutes before the session. Knowing the order of the activities and the terms that come up without warning on the day makes it easier to switch between the slides and your own screen. If you join without reading it, you will not have trouble following the session.

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What you do today

Session 3 is the day you turn the tests you built in Session 2 into a form you can run from start to finish, and keep your steps for each run in files. The afternoon is for Certification.

Goal	Contents
Run import through reload as an E2E test	Pick 4 cases from the Session 2 test case table, run them from start to finish in the browser, and decide where to fix the one that fails
Save your steps and reviewer in files	Turn test design and regression checks into skills, and your security review into a custom agent
Import data in a new format on your own	In the practical exam, you import the September data using only what you built over the 3 days, and submit your decisions with evidence

Time	Steps	Minutes
Morning	Session 2 review and preparation for today	[10min]
Morning	E2E that runs in the browser only	[90min]
Morning	Locking in the steps and the reviewer (skills, instructions, agents)	[120min]
Afternoon	Certification and Literacy Check	[40min]
Afternoon	Practical exam	[120min]
Afternoon	Feedback session, responding to comments, and the Certificate of Completion	[60min]
Afternoon	The 3 days' deliverables and next month's steps	[10min]

What to bring

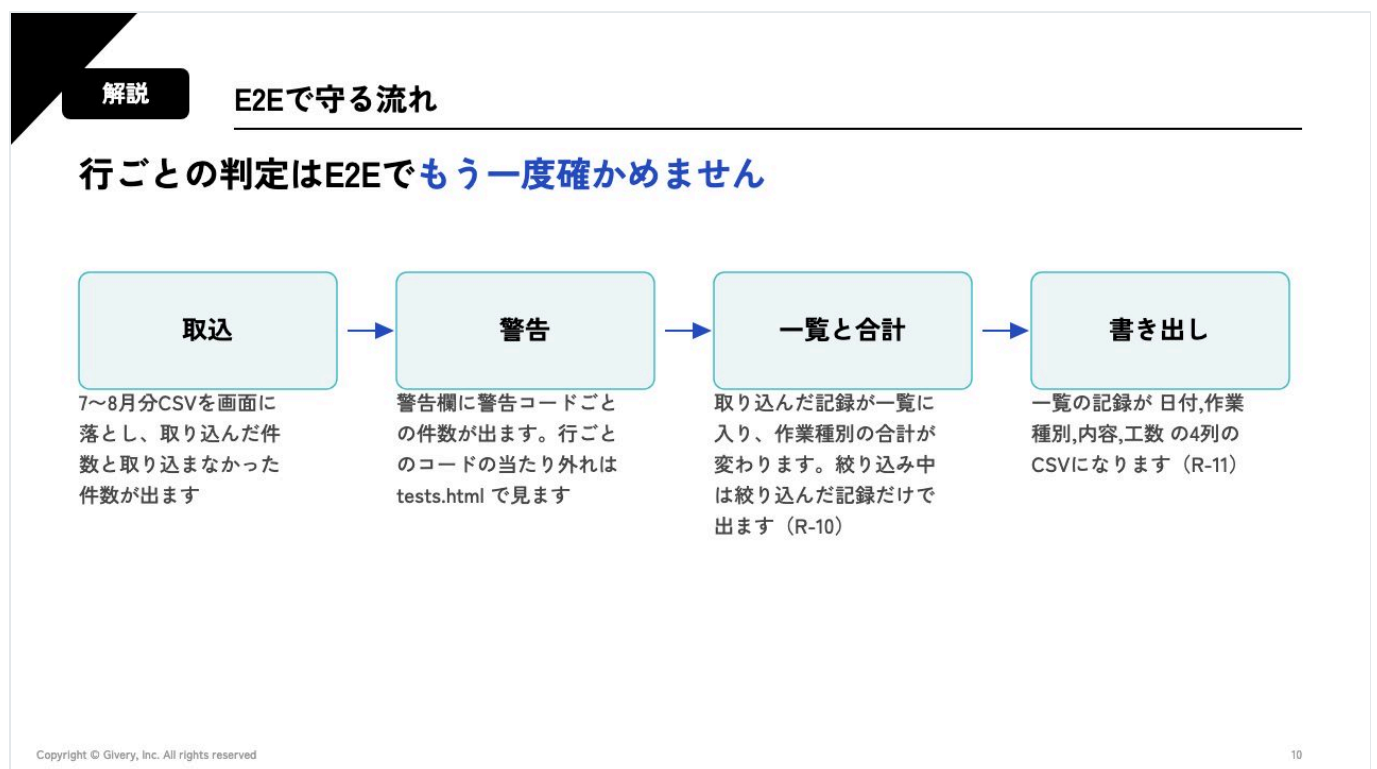
- The `tpro-work` folder from Session 2. `index.html`, `testcases.md`, `decision-log.md`, `data.csv`, `worklog-core.js`, the `tests` folder, `security-notes.md`
- Copilot sign-in

You can join even if you missed Session 2 or no longer have your files. If you tell the instructor in the chat when you check your files in the first exercise, the instructor sends you a set of files in the state they were in at the end of Session 2 by private chat.

To create skills and custom agents, VS Code must be at a certain version or later. The instructor will tell you which version at the start of the day, so make sure you can open Help > About.

E2E terms

A unit test checks one function. E2E checks the whole flow, from dropping data onto the page through the list, the total and the export. Leave the row-by-row checks to unit tests, and in E2E check the flow by counts.



Session 3 Slides, page 10, "The flow E2E protects"

Term	Meaning
E2E test	A test that checks by running through the screen operations in order. E2E stands for End to End.
Scenario	One E2E test. You write it in 3 parts: precondition (Given), action (When) and result (Then). Writing the result as a count makes it easier to check.

Term	Meaning
?e2e	A marker you add after index.html when you open it. It loads e2e.js and runs the E2E tests. If you open the page without it, you get the usual screen.
Playwright	A tool that tests by actually operating a browser. It is not installed on the loaner PCs, so in this course the instructor only shows it on their screen.

3 places to keep your procedures

When you close the chat, what you decided in the conversation is gone. Move the preambles and procedures you used to type every time into 3 places that are read at different times. All 3 go under `.github`.

3つの置き場

読まれる時が違うので、同じ中身を2か所には書きません

置き場	ファイル	読まれるとき	今日作るもの
規約	instructions	会話のたびに自動。applyTo に合う ファイルを扱うとき	tests 用の規約
スキル	skills	関係ありと判断されたとき と / から	test-design、regress
エージェント	agents	親がサブエージェントとして 呼んだとき	security-reviewer

3つとも `.github` の下に置きます。Day1 の `copilot-instructions.md` も規約の仲間です

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Session 3 slides, page 29: Three places to put files

Term	Meaning
Instructions file	A file with rules that the AI reads only when it works on specific files. Put it in <code>.github/instructions</code> and write the target in <code>applyTo</code> at the top.
applyTo	The range of files an instructions file applies to. If you write <code>tests/**</code> , it is read only when the AI works on files in the tests folder.
Skill	A folder that bundles a procedure. Place <code>SKILL.md</code> at <code>.github/skills/<name>/SKILL.md</code> . The AI reads it when it judges the skill to be relevant, and when you call it with <code>/</code> .
Custom agent	The definition of an AI with an assigned role. Write it in <code>.github/agents/<name>.agent.md</code> , and the parent Agent calls it as a subagent.

Term	Meaning
Subagent	An AI split off from the parent conversation and run in a separate context. Only its result comes back, in a separate block. It cannot run on a model above the parent's.

Certification in the afternoon

Certification is split into 3 time blocks. None of them is meant to make anyone fail, and there is no pass or fail by score. The organizers send the Certificate of Completion as a PDF to everyone who finishes the 3 days.

解説

認定の3つの時間

3つとも落とすための時間ではありません

時間	見るもの	出すもの
リテラシーチェック	3日間の知識。資料は見てよく、Copilot に聞くのだけ控えます	20問の回答をまとめた文字
実技	判断表の扱いと根拠、観察した件数が噛み合っているか	判断表の先出しと、提出様式の全体
講評	返ってきたコメントに自分で対処できるか	対処を1行足した提出

コードのきれいさと工数の合計値は、どの時間でも見ません

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Session 3 slides, page 47: The 3 time blocks of Certification

You submit through a single text field in the submission form. At the start of the practical exam, you send only the judgment table first. At the end, you fill in all 8 headings of the submission template and send it. You do not submit code or real data. Before you submit, check for yourself that you have not written client names, real data, code or totals.

実技の時間割

各段の終わりに、**ここまでで良いという線**を置きました

段	時間	ここまでで良い
判断表の先出し	[15min]	J1～J9 を埋めて送った
新形式の取込	[22min]	1行を手計算と合わせた
新形式のテスト	[22min]	10件以上足した
E2E を1本	[14min]	?e2e で1本流れた
見る役に委譲	[8min]	指摘を1行書いた
観察値	[9min]	件数を写した
仕上げと提出	[18min]	フォームに送った

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Session 3 slides, page 58: Practical exam schedule

Twice during the practical exam, there is a time when everyone checks their progress together. If your import is not working, you can get the instructor's skeleton there. Using the skeleton costs no points. It is enough to note it under "Harness used" in your submission.



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