



Pre-reading

Hands-on AI-Assisted Development: IT track, Session 1 Pre-reading

Hands-on AI-Assisted Development: IT track, Session 1

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 1 is the day you build and fix with Copilot. There are 3 goals.

Goal	Contents
Copilot responds in VS Code	In VS Code on the loaned PC, ask a question in English and check that the answer comes back in English. Everyone gets this far.
You can choose between Ask, Agent and Plan	Choose from 3 options: only ask, have Copilot rewrite files, or have it output only a plan first. Read the diff, then Keep.
You can add features to an existing app	Have Copilot read the handout app first, then add the filter and the total. If it does not work, revert and ask again.

At the end, you put an instructions file in place before you leave. The Session 2 tests target the features you add on this day.

Time	Steps	Minutes
Morning	Environment setup (VS Code, GitHub account, Copilot invitation, connection check)	[100min]
Morning	The world of AI-driven development	[30min]
Afternoon	Basic Copilot operations, how to generalize client information, and prompt patterns	[95min]
Afternoon	A working web app from a 5-line specification	[60min]
Afternoon	Adding features to an existing app	[75min]
Afternoon	Choosing models, the instructions file, and review	[90min]

The lunch break comes after "The world of AI-driven development". In the afternoon, there are 3 [10min] breaks between blocks.

To do before the session

- Download the handout ZIP from the course site and extract it on the Desktop. There are versions for Windows and Mac, so use the one that matches your computer.
- Check that VS Code starts. If Help > About shows version 1.116 or later, Copilot Chat is already installed.
- When the invitation email arrives from GitHub, create an account with your company email address and accept the invitation. The steps are in "Advance preparation" on the course site.

If your account is not ready in time, we will set it up together on the morning of the session. Join as planned.

Screen names

The slides call the parts of the VS Code screen by these 5 names. Explorer, editor and Chat view come up many times.

VSCoDeの画面の名前

今日出てくる画面の名前は、この5か所だけです

- 1 アクティビティバー**
左端の縦並びのアイコン。今日はいちばん上のエクスプローラーと、チャットのアイコンだけ使います。
- 2 エクスプローラー**
開いているフォルダの中身。ここに tpro-work の中のファイルが並びます。
- 3 エディタ**
中央。コードを書く場所です。補完の候補は、ここに薄いグレーの文字で出ます。
- 4 チャットパネル**
右側。今日の主役です。サインインもここから始めます。
- 5 ステータスバー**
最下段。今開いているファイルの言語が出ます。補完が出ないときはここを見ます。

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Session 1 slides, page 12: VS Code screen names

You always work in the `tpro-work` folder on the Desktop. Extract the handout ZIP into it, and put every file you create on this day in it as well.

Terms worth knowing in advance

Participants in September said they were confused when Keep and Ask, Agent and Plan suddenly appeared. You work with them on screen in the afternoon of Session 1, and the terms are listed here first.

Term	Meaning
Ask	One of the modes you select below the chat input box. It only answers, and files do not change. Use it to ask about contents, have something explained, or compare options.
Agent	The mode that goes as far as creating and rewriting files. The AI even decides which files to open and fix. A rewrite is not final until you Keep it.
Plan	The mode that outputs only a plan and steps for the work. Files do not change. Use it to check the approach before a big change.
Keep / Undo	Actions to accept or revert a diff that Agent produced. Keep means you accept those lines as your own.
Diff	The difference between the file before and after a change proposed by the AI. When you read it and then Keep, it is written to the file.
Inline suggestion	A feature that shows suggestions in gray while you type
Slash command	A standard instruction you call by typing / at the start of the input box
copilot-instructions.md	A file with the preamble that Copilot reads every time. Put it in the .github folder.
AGENTS.md	A file that contains only facts for the AI to read
Generalize	Writing specific information in abstract terms, at the level of an industry or a process

Ask • Agent • Plan

頼む前に、ファイルを変えさせるかどうかを選びます

ロール	何が返るか	ファイル	使いどころ
Ask	文章とコード片	変わらない	中身を聞く、説明させる、案を比べる
Agent	ファイルの作成と書き換え、差分	Keep するまで確定しない	作る、直す、足す
Plan	作業の計画と手順だけ	変わらない	大きな変更の前に、段取りを先に確かめる

Agent の差分は Keep で受け入れ、Undo で戻します。Keep は自分を書いたと認める操作です

Build a request from 4 parts: role, context, constraints and output format. Constraints and output format change the result the most, so before you send, it is enough to ask yourself only "Did I write the constraints and the output format?"

How to use the slides and the Hands-on Guide

The slides the instructor shares on screen move in one direction: explanation, exercise, then check. The same exercise steps are in the Hands-on Guide (PDF) on the course site. Even if the slides move ahead, you can open the matching exercise in the guide on your own screen and keep following. You can jump straight to an exercise from the table of contents on page 2 of the guide.

If you are stuck and 5 minutes of trying has not fixed it, write in the Zoom chat. The instructor will reply by private chat.



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