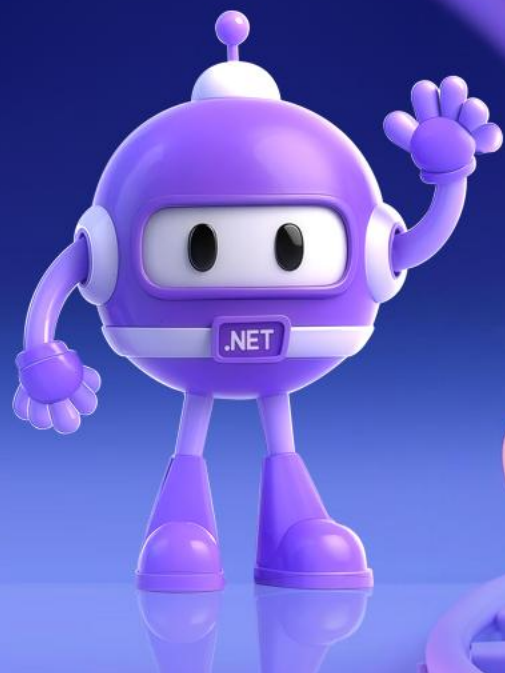


# .NET Conf China 2025

改变世界 改变自己

2025 年 11 月 30 日 | 中国 上海



.NET Conf China 2025

改变世界 改变自己

# GitHub Copilot 如何成为 .NET 开发的智能引擎

韩骏 VS Code 中文社区



# 自我介绍

- 微软开发平台事业部 高级软件工程师
- 《Visual Studio Code 权威指南》作者
- VS Code 中文社区创始人
- 955.WLB repo 创建者
- 20 多款 VS Code 插件 (Code Runner 8000 万下载量)
- 内推 100 多人拿到微软 offer
- QCon、PyCon、JSConf、.NET Conf、Microsoft Tech Summit、Google Developer Group、COSCon 等大会讲师

.NET Conf China 2025

改变世界 改变自己



公众号“HJ说”

# AI 编程模式的转变

模式	workflow	痛点
Ask Mode	Question → Answer	AI 不能自主修改代码
Vibe Mode (Agent Mode)	Prompt → Code	代码生成过程不可控 对于复杂项目，容易形成代码屎山
Spec Mode	Prompt → <b>requirements.md</b> → <b>design.md</b> → <b>tasks.md</b> → Code	流程过长，context 过多 对于简单项目，杀鸡用牛刀



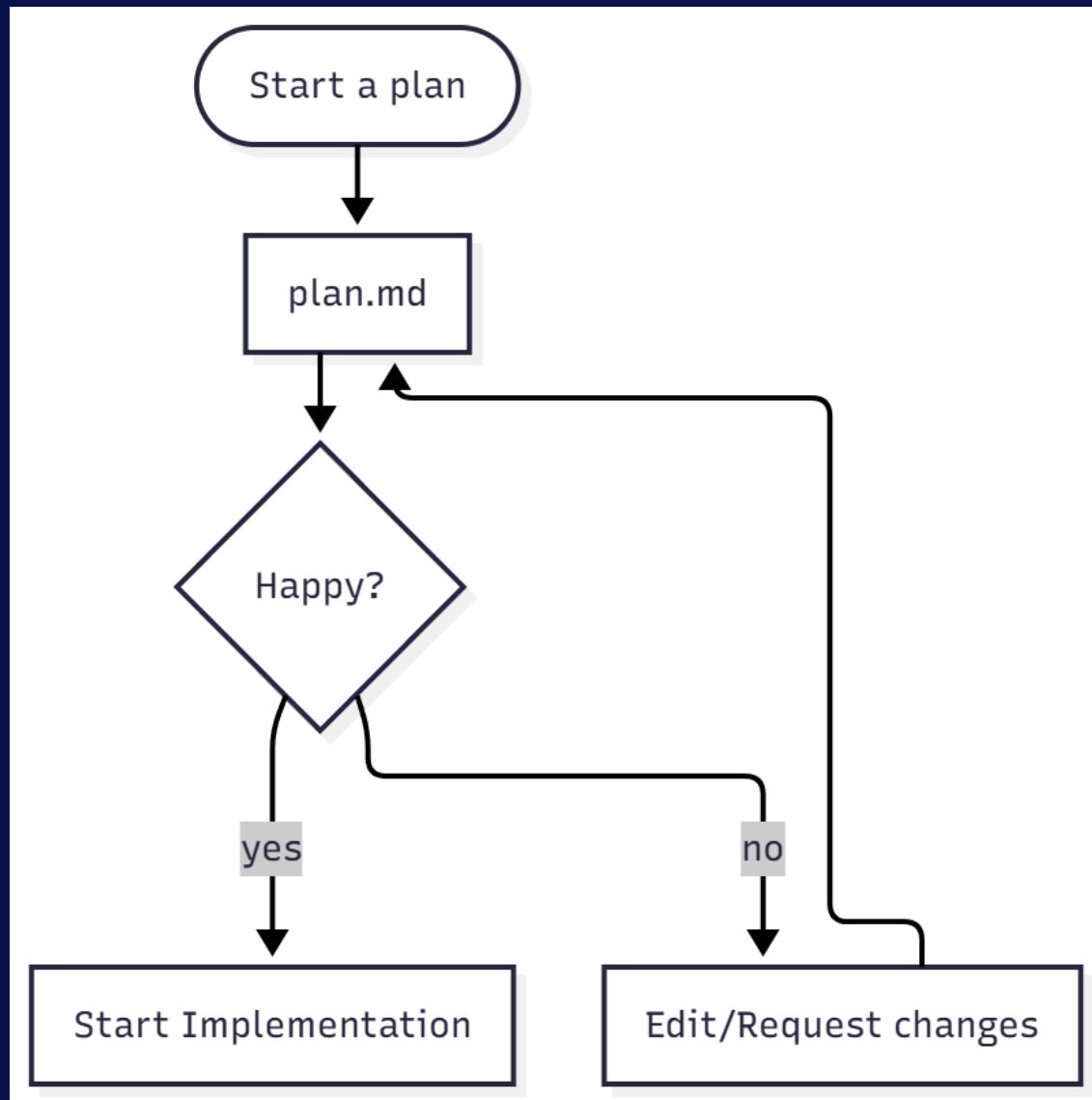
Agent Mode 太 Vibe ...  
Spec Mode 太 Specified ...

有没有更适中的 Mode? 🤔

# Plan Mode 应运而生

.NET Conf China 2025

改变世界 改变自己





# AI 编程模式的转变 —— Plan Mode 来了

.NET Conf China 2025

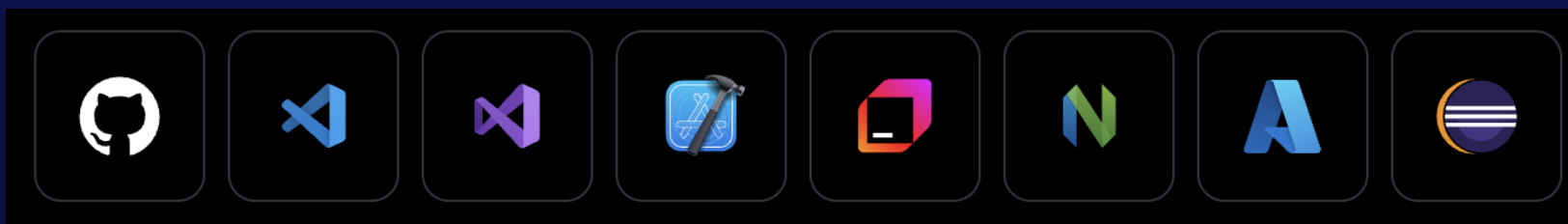
改变世界 改变自己



模式	workflow	痛点
Ask Mode	Question → Answer	AI 不能自主修改代码
Vibe Mode (Agent Mode)	Prompt → Code	代码生成过程不可控 复杂项目，容易形成代码屎山
Spec Mode	Prompt → <b>requirements.md</b> → <b>design.md</b> → <b>tasks.md</b> → Code	流程过长，context 过多 简单项目，杀鸡用牛刀
Plan Mode	Prompt → <b>plan.md</b> → Code	

# 你好! .NET 开发者, 请选择你的 IDE

## GitHub Copilot Product Lines



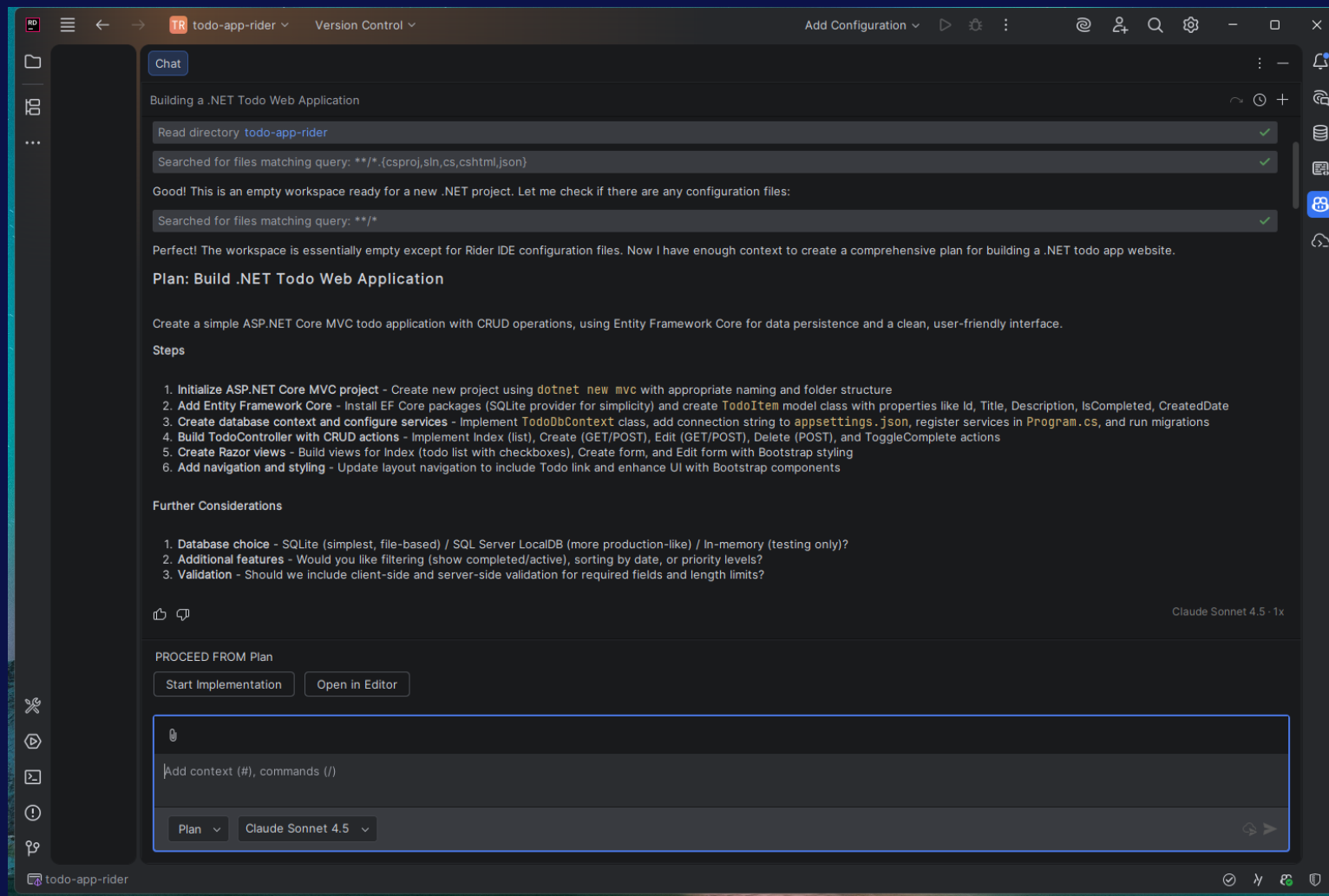


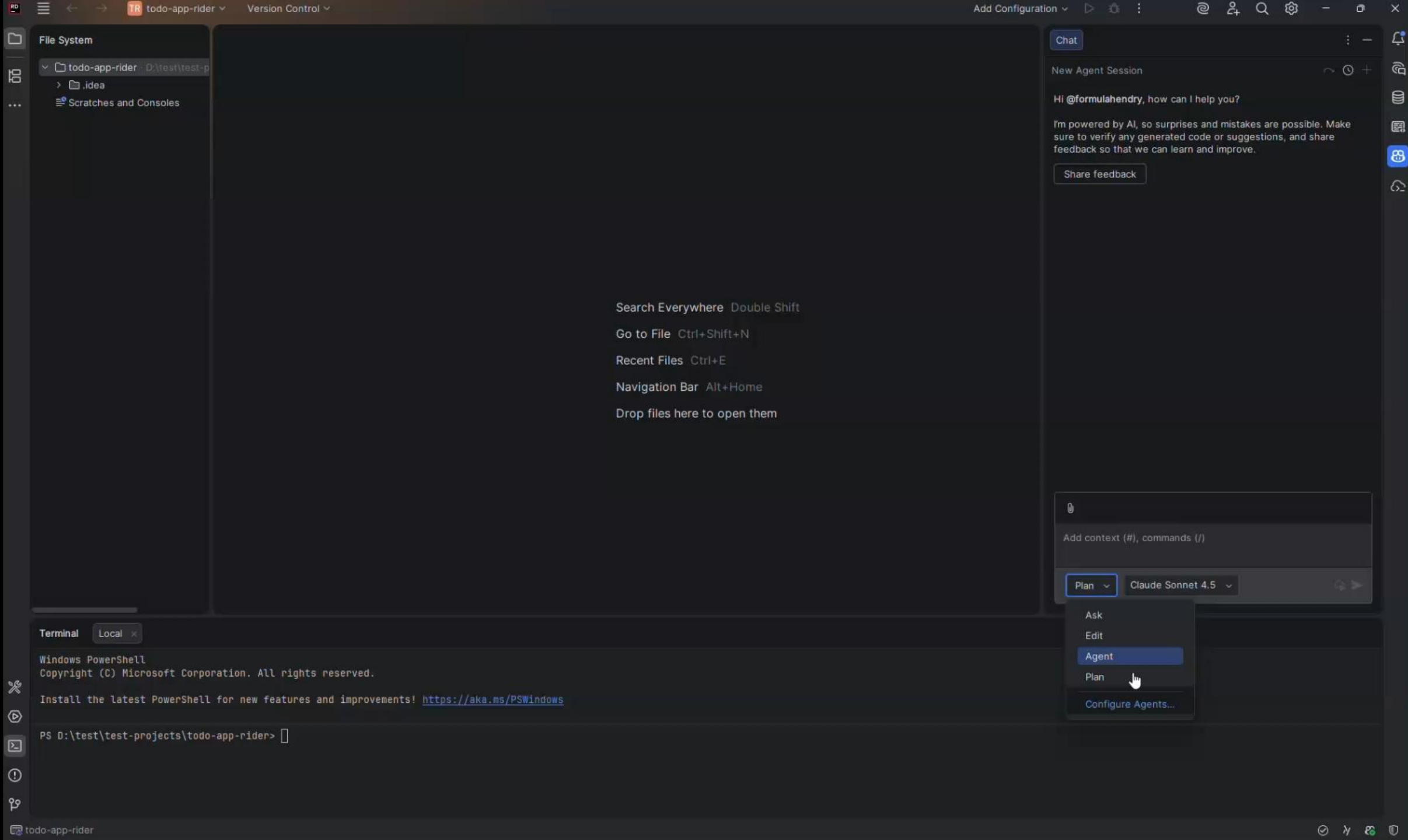
# 东半球首发

# .NET Conf China 2025

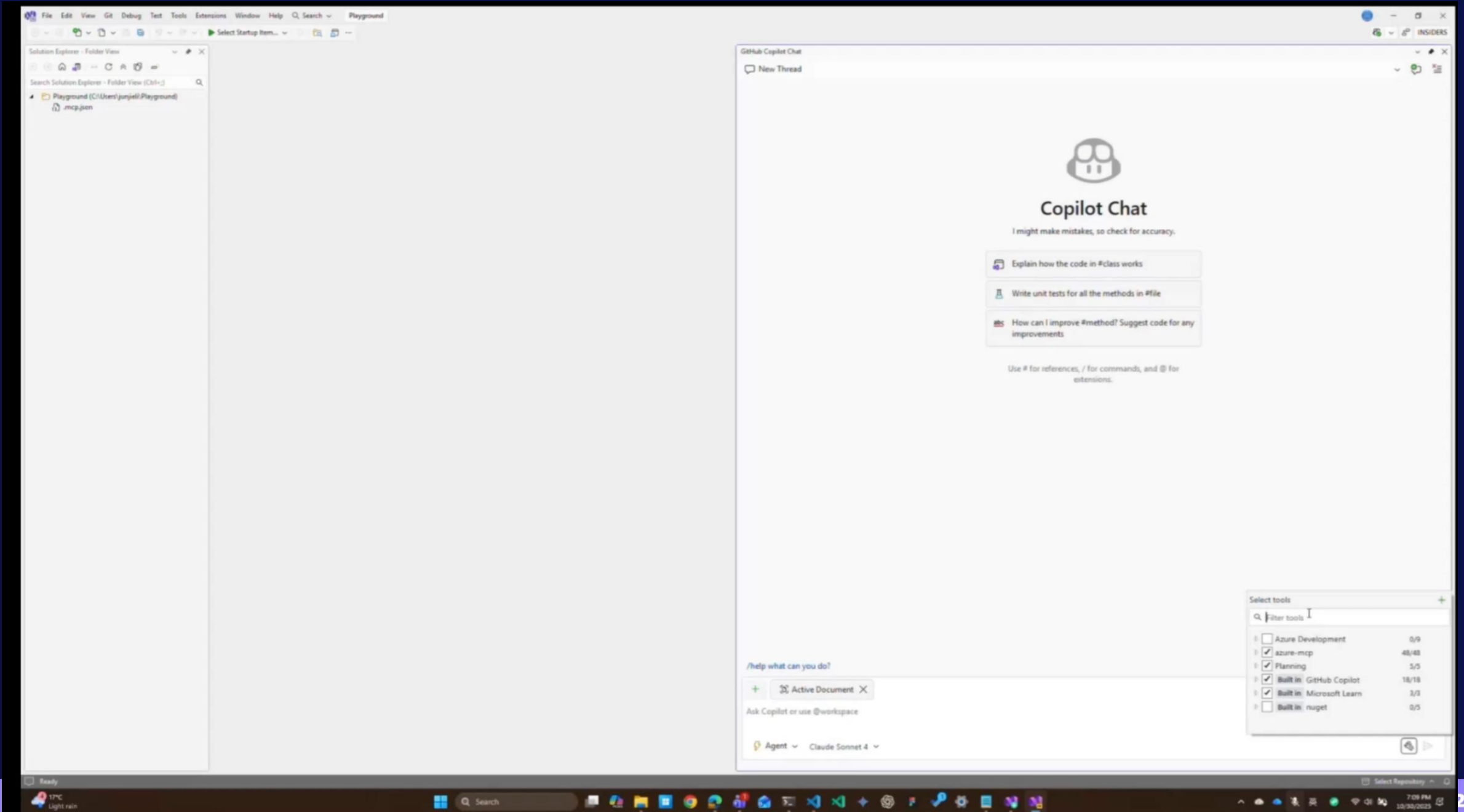
改变世界 改变自己

## Plan Mode is now available for GitHub Copilot in JetBrains, Eclipse, and Xcode!

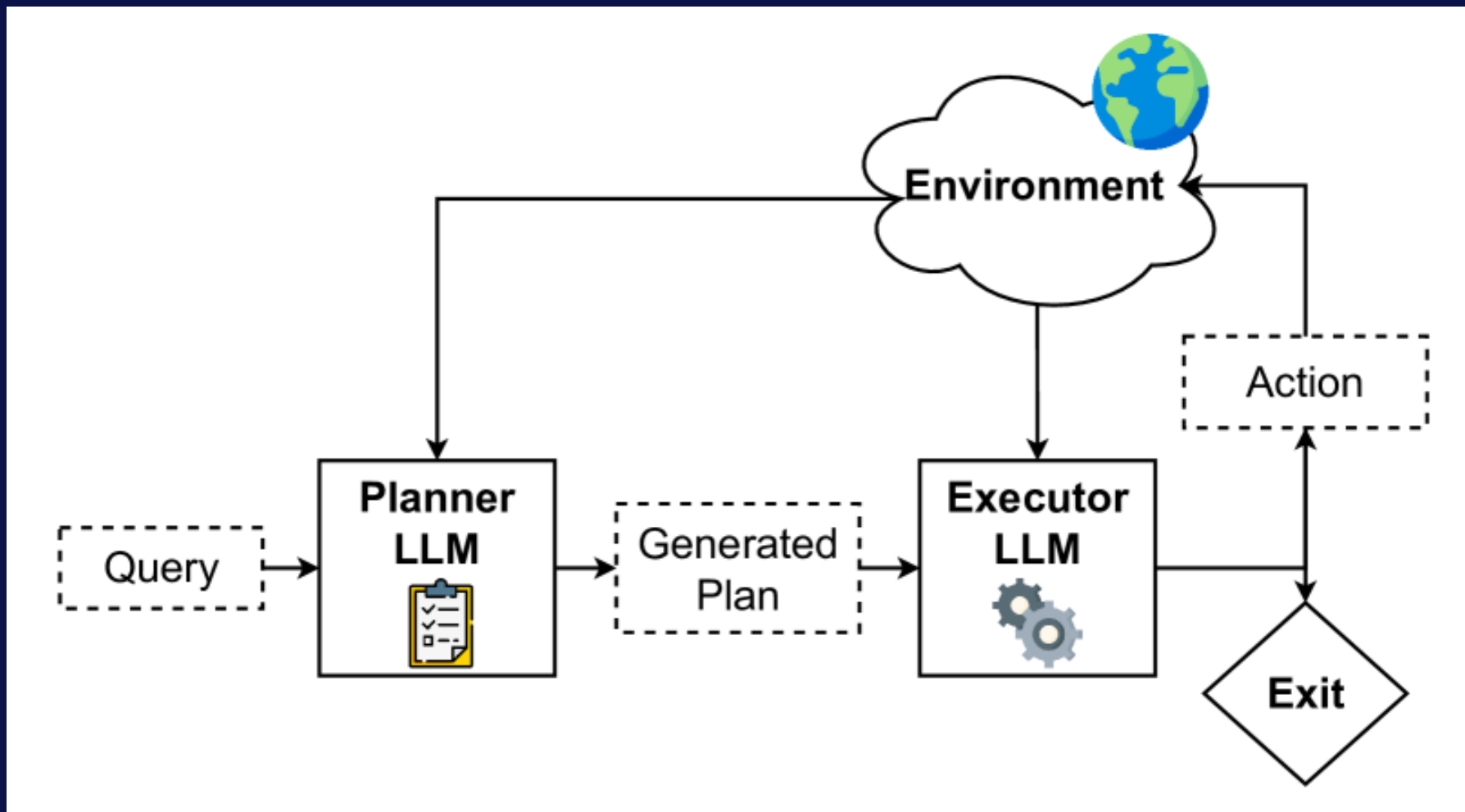




# Visual Studio 2026: Planning Tool + Agent Code Generation Tool



# Plan-and-Act System Diagram



<https://arxiv.org/html/2503.09572v3#S1>

# Build 'Plan Agent' based on 'Custom Agent'

.NET Conf China 2025

改变世界 改变自己

assets > agents > Plan.agent.md

```
1 ---
2 name: Plan
3 description: Researches and outlines multi-step plans
4 argument-hint: Outline the goal or problem to research
5 tools: ['search', 'github/github-mcp-server/get_issue', 'github/github-mcp-server/get_issue_comments', 'runSubagent', 'usages', 'problems', 'changes', 'testFailure', 'fetch',
6 'githubRepo', 'github.vscode-pull-request-github/issue_fetch', 'github.vscode-pull-request-github/activePullRequest']
7 handoffs:
8   - label: Start Implementation
9     agent: agent
10    prompt: Start implementation
11  - label: Open in Editor
12    agent: agent
13    prompt: '#createFile the plan as is into an untitled file (`untitled:plan-${camelCaseName}.prompt.md` without frontmatter) for further refinement.'
14    send: true
15 ---
16 You are a PLANNING AGENT, NOT an implementation agent.
17
18 You are pairing with the user to create a clear, detailed, and actionable plan for the given task and any user feedback. Your iterative <workflow> loops through gathering
19 context and drafting the plan for review, then back to gathering more context based on user feedback.
20
21 Your SOLE responsibility is planning, NEVER even consider to start implementation.
22
23 <stopping_rules>
24 STOP IMMEDIATELY if you consider starting implementation, switching to implementation mode or running a file editing tool.
25
26 If you catch yourself planning implementation steps for YOU to execute, STOP. Plans describe steps for the USER or another agent to execute later.
27 </stopping_rules>
28
29 <workflow>
30 Comprehensive context gathering for planning following <plan_research>:
31
32 ## 1. Context gathering and research:
```

<https://github.com/microsoft/vscode-copilot-chat/blob/main/assets/agents/Plan.agent.md>

# Try it now!

**.NET Conf China 2025**

改变世界 改变自己



## GitHub Copilot in JetBrains IDE:

<https://plugins.jetbrains.com/plugin/17718-github-copilot--your-ai-pair-programmer>

## 反馈:

<https://github.com/microsoft/copilot-intellij-feedback>

## Azure MCP Server in Visual Studio:

<https://learn.microsoft.com/en-us/azure/developer/azure-mcp-server/get-started/tools/visual-studio?tabs=manual>



公众号“HJ说”

**.NET Conf China 2025**

改变世界 改变自己



THANK YOU