



# Sandbox 0

# Setting up the AI Prototyping

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# 01 Overview

## Overview

# Sandbox 0

The goal of Sandbox 0 is to help you to get you ready to prototyping with AI.

We will set up the environment together, trying to understand some core concepts while installing OpenAI Codex + Cursor.

We want you to feel **stretched, but not stressed**. That's why we'll introduce some alternatives as well.

① **Sandbox 0**  
On Week 1

② **Sandbox 1**  
15 Sep

③ **Spin-Off**  
TBD

④ **Sandbox 2**  
22 Sep

# Project Repo

All the information related to sandbox sessions is on this Github repo.

Sign up to Github, star or fork the repo.

OpenAI-IDE Repo ↗

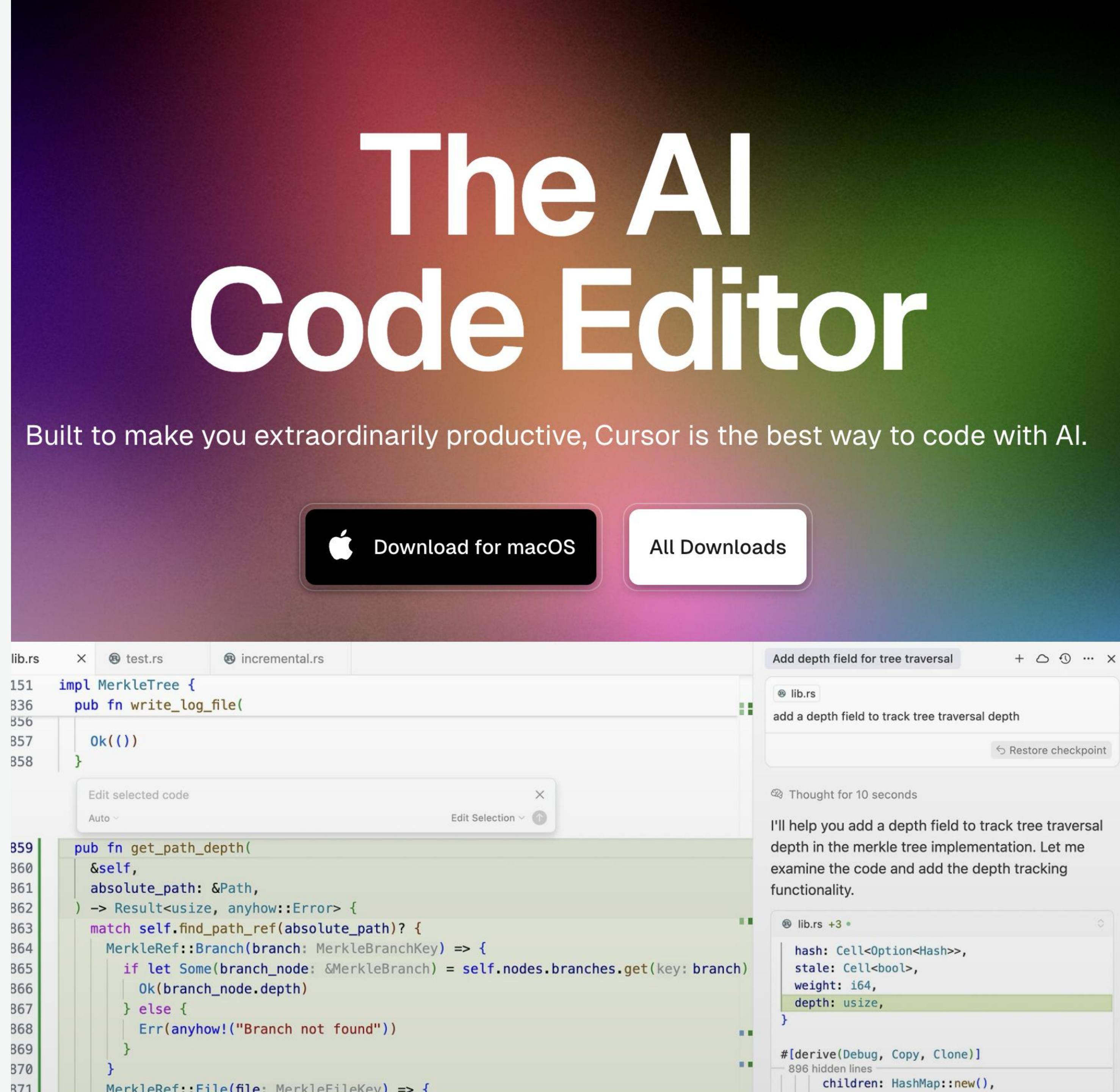
- Github is an online platform where people store and share projects.
- Fork is making your own copy of someone else's project to experiment with.
- Repository is a project folder containing all your code and files

<https://github.com/chanulee/OpenAI-IDE>

## 02 Cursor

Cursor is a code editor (based on visual studio code) with built-in AI coding agent. It became an industry standard for AI coding.

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# Installation & New Project

1. Download Cursor app: <https://cursor.com/>
2. Sign up to Cursor: also <https://cursor.com/>
3. Install the app and sign in to the Cursor
4. Install extensions: Live preview, C/C++, C/C++ Extension Pack, C/C++ Themes
5. Create a project folder, open it with Cursor
6. Start with README.md file.

# Engaging With Github Projects

1. Download Github Desktop app: [https://  
desktop.github.com/download/](https://desktop.github.com/download/)
2. Sign In
3. Set the default editor to Cursor
4. Now you can make a local copy of repos from  
the Github website, with a version control.
5. Open any project with Cursor, and ask about the  
project.

\*\* We're doing an easy and lightweight way instead of actual terminal git clone.

# 03 OpenAI Platform

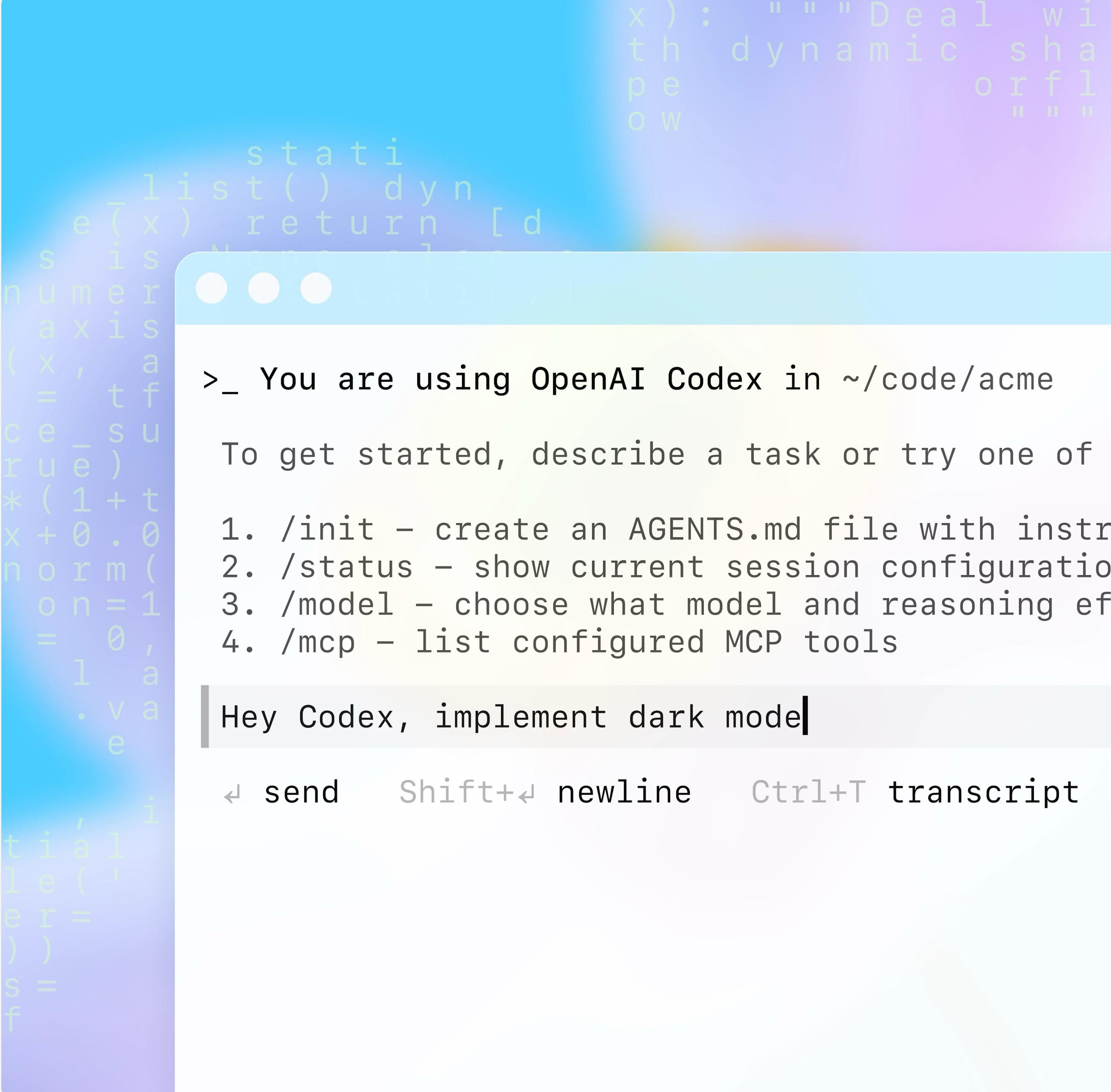
Codex IDE is OpenAI's coding agent that lives in your IDE (Integrated Developer Environment) like Cursor.

There's 3 ways to use this.

1. IDE
2. CLI (Terminal)
3. Cloud

We're going to use Codex IDE, an extension for IDE like Cursor.

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# Setting Up Codex

1. Log into: <https://openai.com/codex/>
2. Download for Cursor, and install Codex
3. Sign in

# Setting Up API Keys

Let's say you want to connect GPT to your product/prototype that you built with Cursor.

In order to do that, you should call API from your product.

1. Enter OpenAI API Platform: <https://platform.openai.com/>
2. Sign in / Log in with OpenAI account
3. Create placeholder Organisation and Project.
4. In Dashboard, press API Keys and create one.

**DO NOT HARD-CODE (INCLUDE) THE API KEY IN YOUR CODE AND DO NOT UPLOAD IT ANYWHERE.**

## 04 Alternatives

Cursor + Codex is not the only way to do AI prototyping. Let's take a look at other options.

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## Alternatives

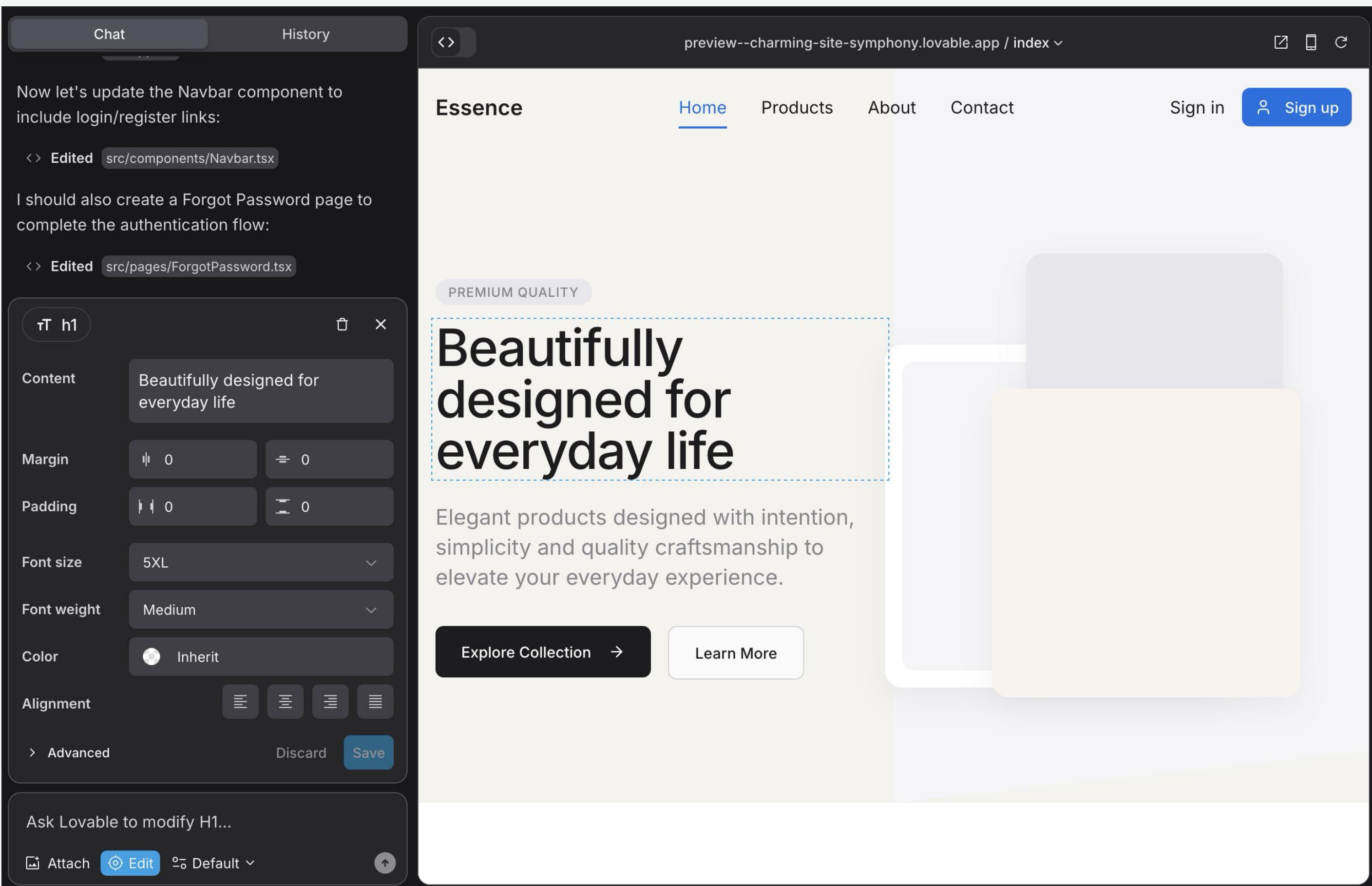
# Other Vibe Coding Tools

- Lovable <https://lovable.dev/>
- v0 <https://v0.app/>

Both cloud-based vibe coding tools. Easy to actually share the service prototype.

They have a gallery of services and websites made with the tool, so take a look at those.

<https://lovable.dev/projects/featured>  
<https://v0.app/community>



## Alternatives

# n8n v. Langchain

We've covered vibe coding tools, but there are some AI system/agent builders like n8n, langchain, langgraph, zapier and make. But when should we use them?



- Visual workflow builder
- Workflow automation tool gluing lots of APIs
- Connecting external APIs, tools, event-driven triggers, data movement between different services.

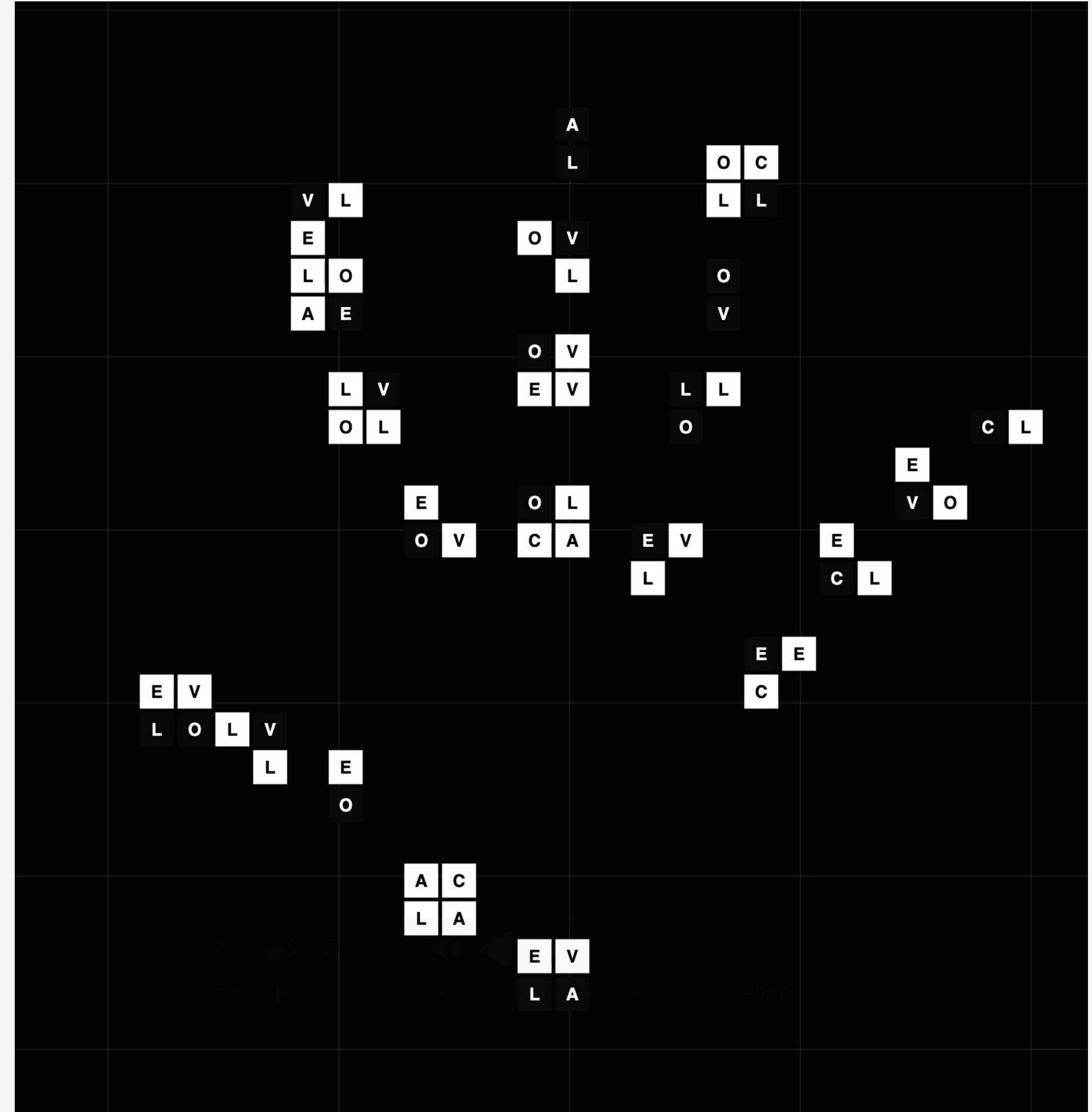


- Graph-based programming model
- Programmable OS for AI agents, controlling how AI Agents should think.
- Multi-agent collaboration, recursive reasoning, complex tool-calling, agentic workflows.

# Thank you!

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