

Windsurf essentials

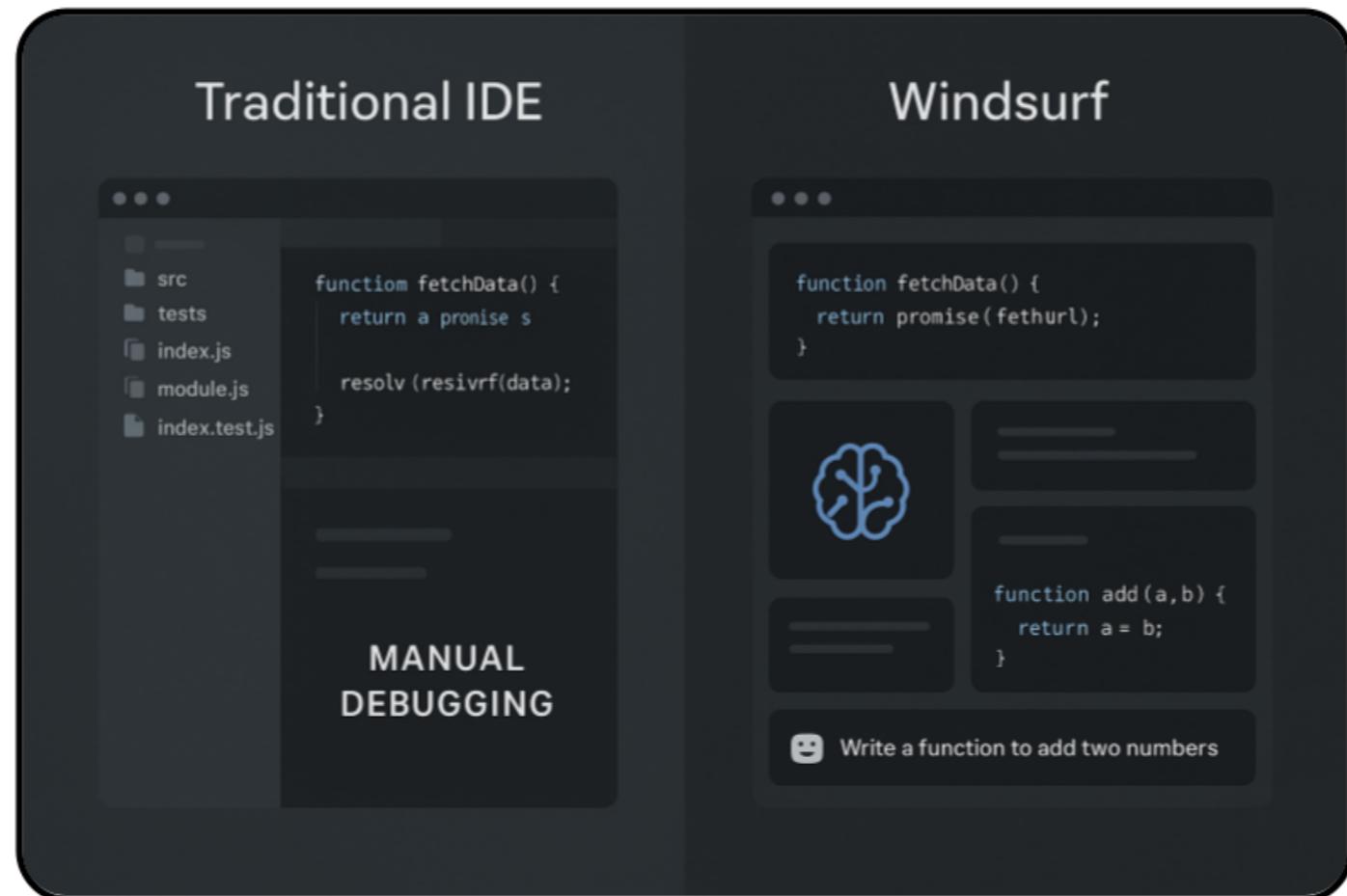
SOFTWARE DEVELOPMENT WITH WINDSURF



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Windsurf: an intelligent coding assistant

- Understands codebase through advanced context analysis
- Lets us write prompts in natural language
- Helps build, refactor, and debug faster



Course goals

- Context-aware AI workspace
- Chat and Write modes to ask questions or generate code
- Automate tasks with Cascade
 - Querying
 - Debugging
- Build, secure, and deploy apps

A standalone agentic IDE

- *Built from the ground up to help developers work smarter with AI*



Get Started!

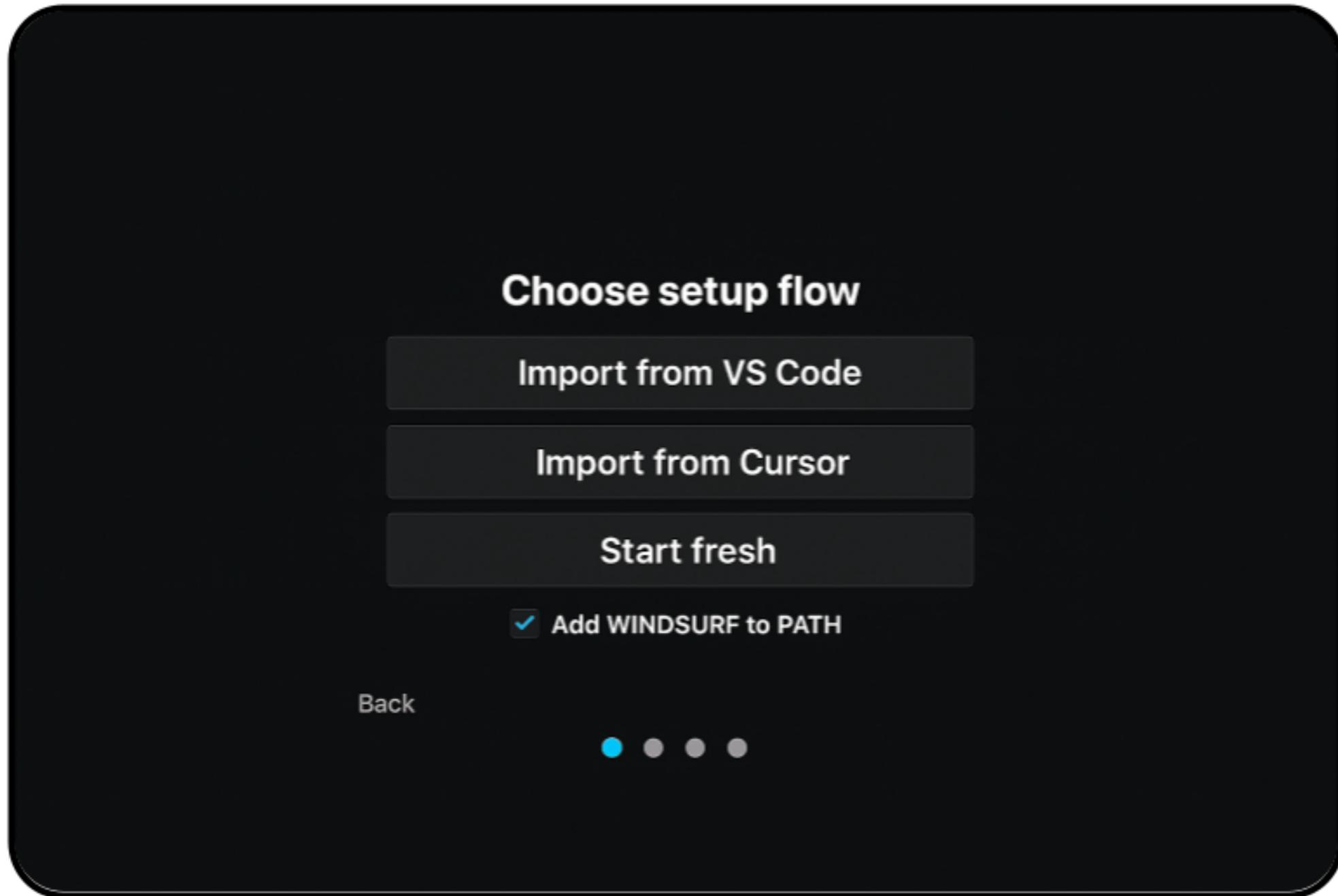


Welcome to Windsurf

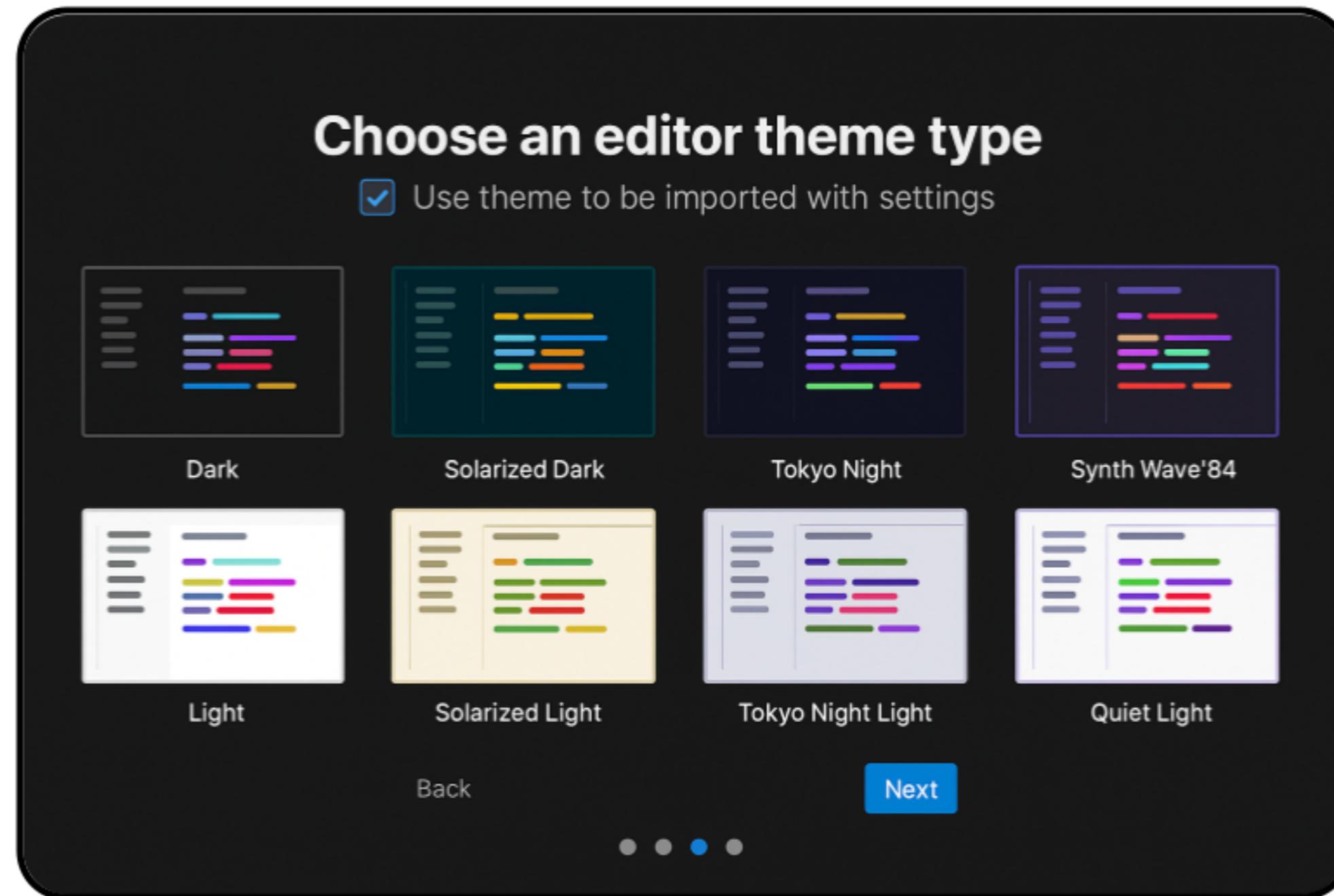
[Get started](#)

[Skip onboarding →](#)

Step 1: Choose setup flow



Step 2: Choose a theme



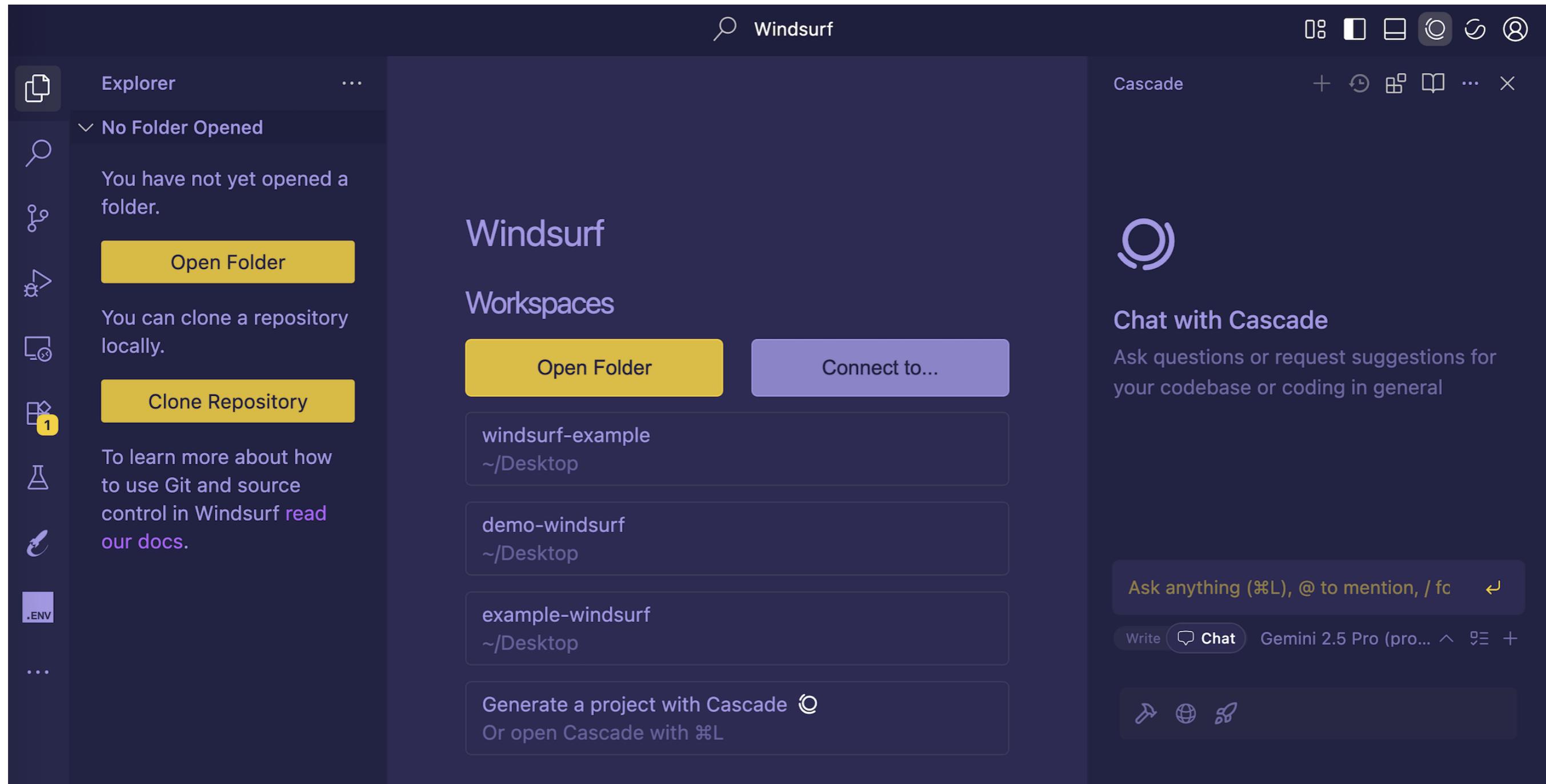
Step 3: Sign in or create your account



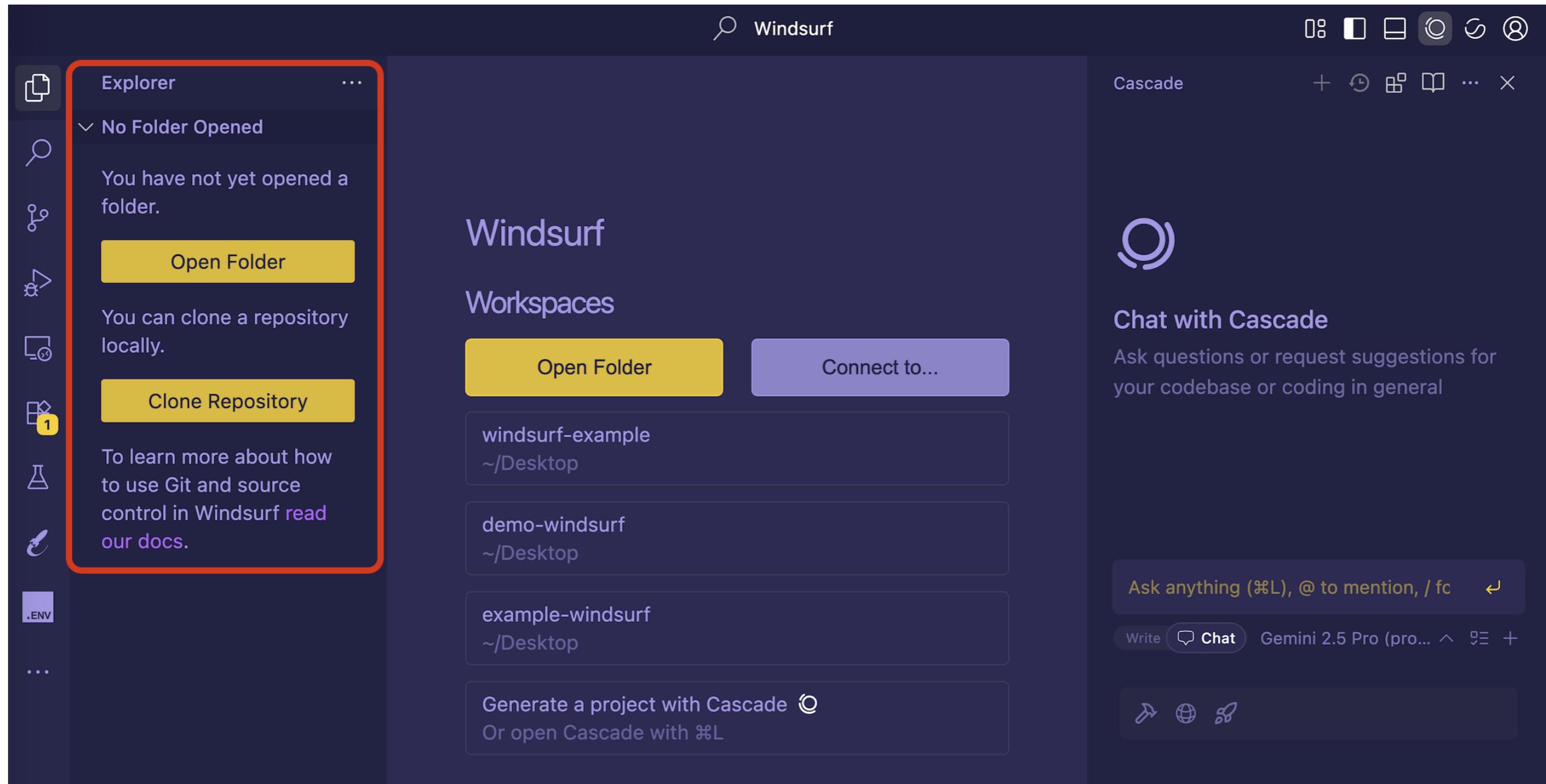
Hi, Maham.

Let's surf.

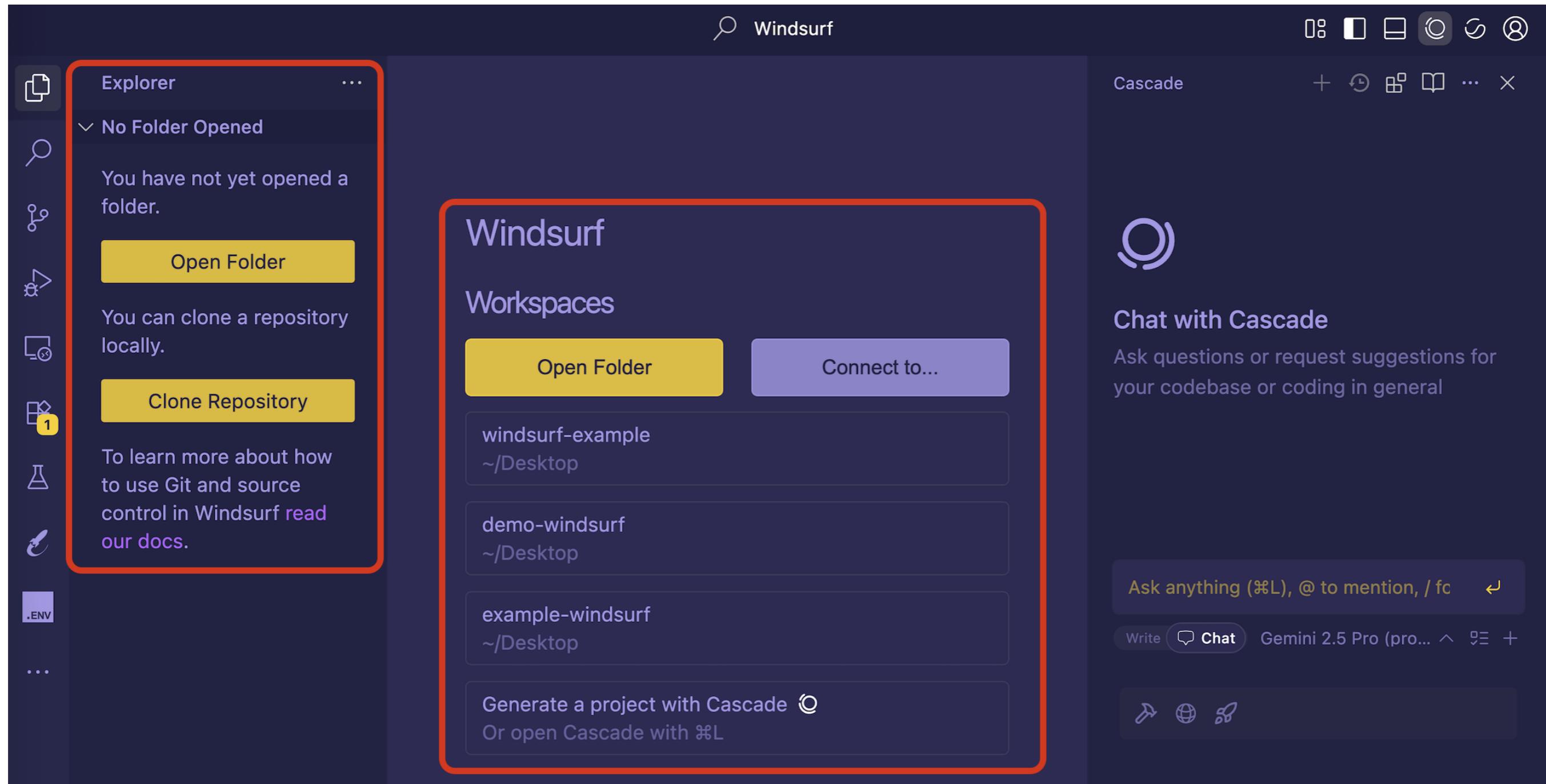
Windsurf interface



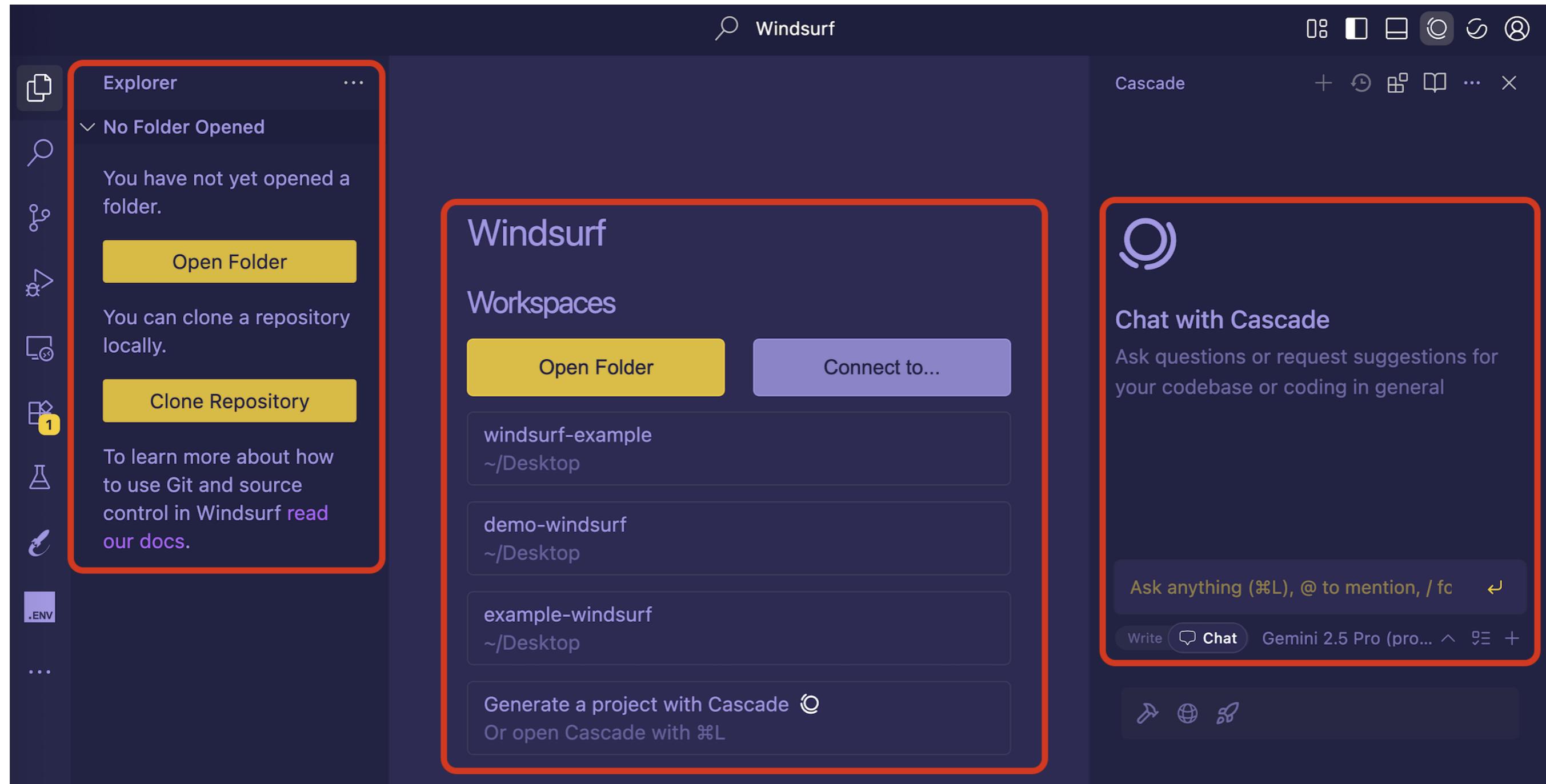
Windsurf interface



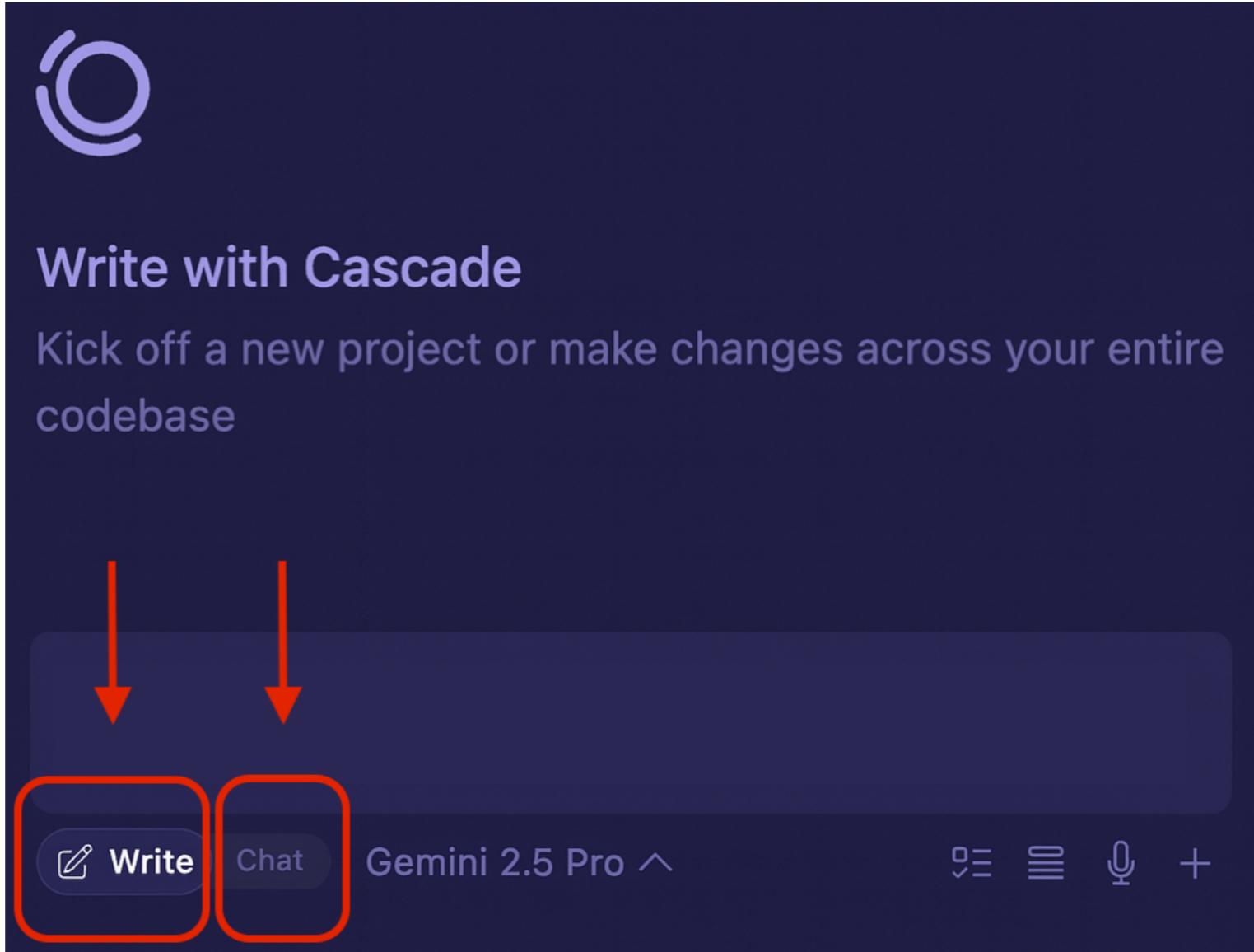
Windsurf interface



Windsurf interface



Cascade modes



Cascade chat mode

A conversational interface for **exploring your code, debugging, or asking for implementation help.**

For example:

How can I add bottom tabs to my React Native app?

Cascade write mode

Context-aware **code completions** that integrate directly into the editor to **generate or improve code**.

For example:

Generate an HTML file with boilerplate

Let's practice!

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Running your first AI queries

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Let's now run queries in a real example!



Let's practice!

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Seeing the bigger picture with context

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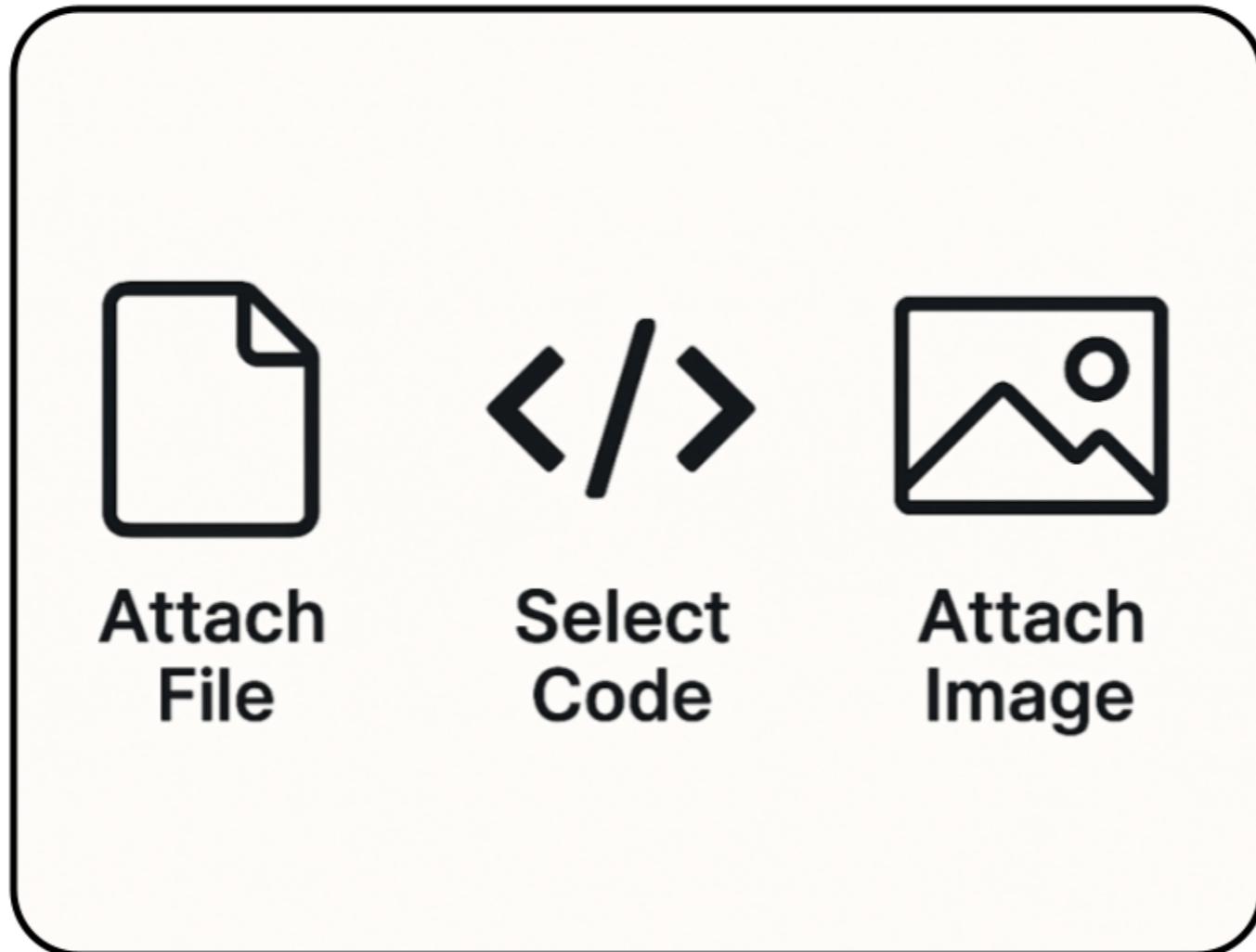


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Seeing the bigger picture with context

- Cascade gives better answers when it has more context



Adding images as context

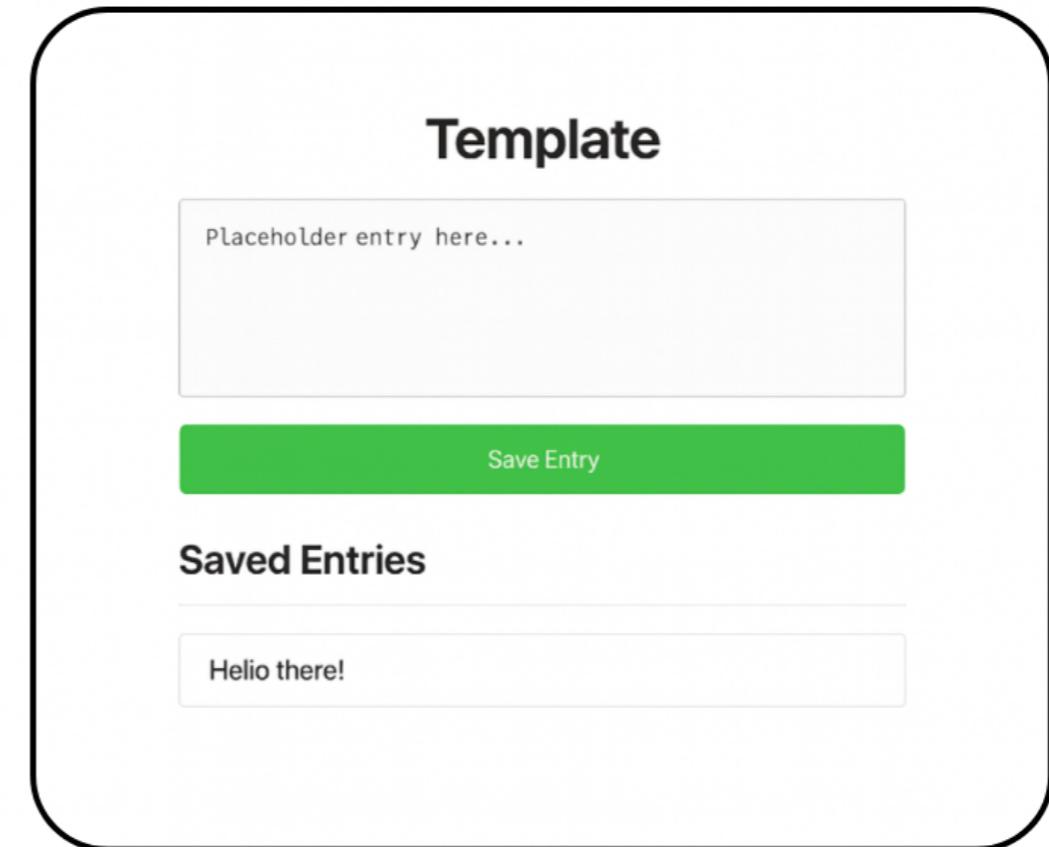


→ As Background

Adding images as context



→ As Background



→ As Font and Style

Adding images as context



- As Background
- We'll reference by file name

The image shows a software interface with a rounded rectangular border. At the top, the word "Template" is displayed in bold black font. Below it is a white input field with the placeholder text "Placeholder entry here...". A solid green horizontal button labeled "Save Entry" is positioned below the input field. Underneath the button, the section title "Saved Entries" is shown in bold black font. A single entry, "Hello there!", is listed in a white input field.

- As Font and Style
- We'll directly upload

A closer look at the Command tool

- Generates new code
- Edits existing code via natural language inputs
- Accessed directly from the editor window

Let's practice!

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