

Project Setup using Claude Code in Cursor

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This is project setup with these key steps:

1. Here we create the folder setup in cursor
2. Import a template, check that it is running
3. Define specific sub-agents for UI, Coder, Reviewer
4. Prompt in Planning Mode to create an implementation plan
5. Review Implementation Plan

Detailed Steps:

1. Start cursor and open folder the project will be built out.
2. Start a blank next.js project with the create-next-app command in CLI
\$npx create-next-app@latest .

Check to run with CLI and the template is build already

\$npm run dev

Start Claude Code in CLI with

\$claude

3. a. **Creating an UI agent** with prompt along the line of:
"This new agent call is an "ui" agent. This agent is an experienced UI and UX expert. For this project, this agent will ensure that the application uses ... color, ... shadow, style ...etc.
The app should be responsive on larger screens, tablets and mobile devices."
Response will be some kind of ui-agent.md creation by claude code.

b. We want to minimize window context use by having a main window orchestrate the design and use as much as possible sub agents. Therefore define in a prompt to instruct to use this agent as a **sub agent** along the line and it creates a verify agent:

"Use the [file.md] as a sub agent to verify the proposed components is satisfying to the definitions. Do not run this task in this context window, but orchestrate it."

Claude should respond with something around that it created a orchestrator.md instruction, created a task folder and possibly created some ui-verify md file type (verify-ui-component.md)"

c. Now we create an agent for coding by prompting something like "This new agent is a coder agent, an experience developer in building robust web applications.

It should write code that is performant, secure, well commented and follows best practices.

This agent should never compromise on quality and should write the best possible code."

The response by Claude should be some coder agent .md file (coder-agent.md) and update the orchestrator.md script.

d. Similar and final agent we need is a code review agent. The prompt should be something like "This agent is an experienced developer, but it is really good at reviewing code. This agent is responsible for checking the completeness of the code against the requirements. It needs to ensure that the code is secure, and performant and that it follows best practices.

This reviewer should make sure that the code does not get too long and should be split up and modular instead. The code should have detailed and suitable comments. The code should also be easy to maintain.

Respond by Claude will be another coder reviewer agent file in md format (coder-reviewer-agent.md) with possibly some task definition on how to verify the code and final step update the orchestrator.md script.

As a side note you can possibly tell Claude to use a more efficient model e.g. Haiku.

The framework and agents are set up. From here is the step by step iterating your build process.