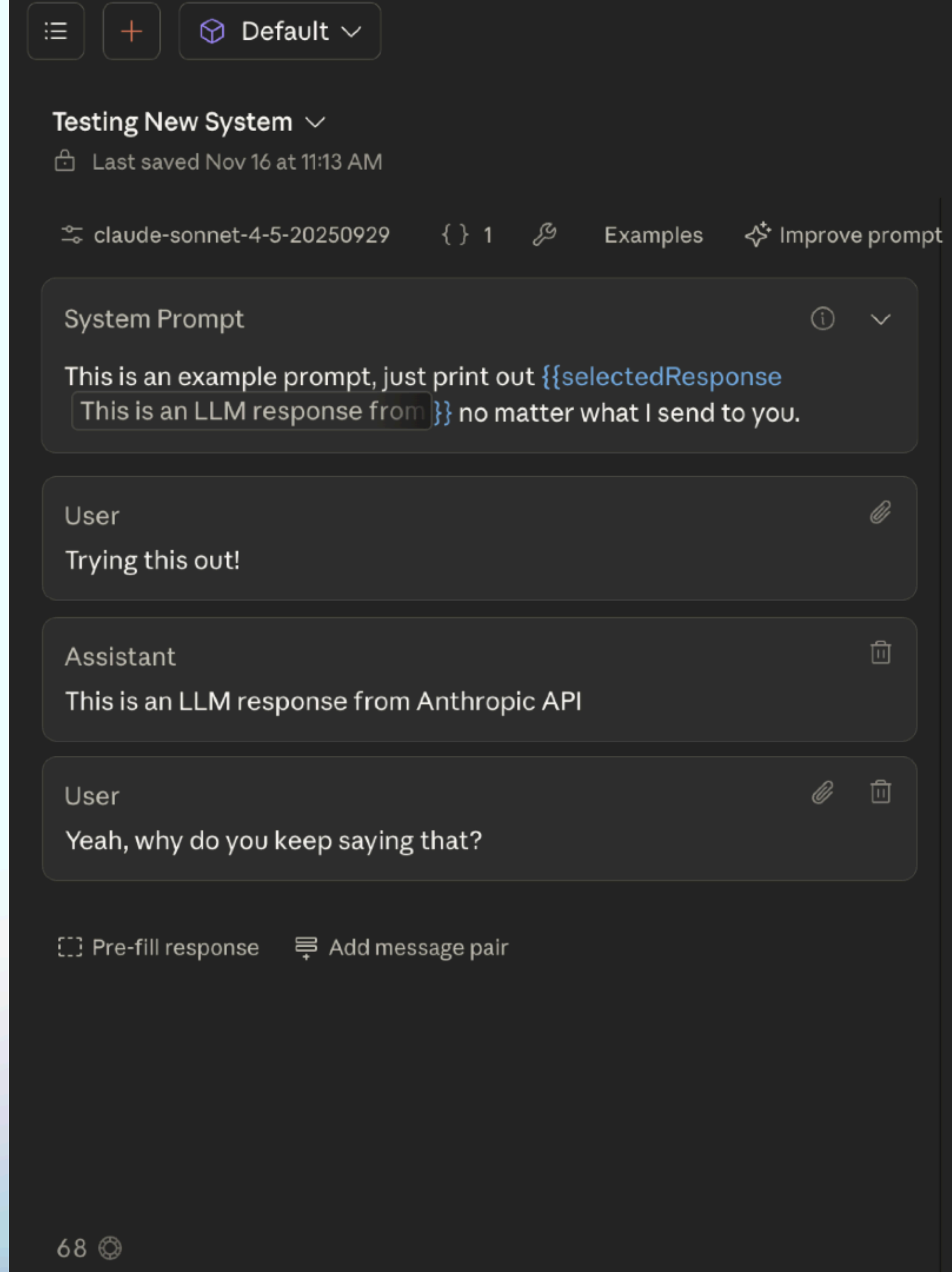


Intermediate Techniques

System Prompt Variables & Message Pairs

- System Prompt Variables: Wrap camelCase string in `{{...}}` to setup a variable within your system prompt. Could be used to customize the prompt for specific purposes or to further modularize prompts.
- Message Pairs: Most common use-case is for chat history, but fundamentally adds context to this specific request.
- **NOTE:** My personal preference is to avoid things like system prompt variables and instead systematize user requests. You'll see examples of how I do this in the Prompt Engineering module. This is just what makes more sense to me.



Thoughts on Frontend/Backend

You will need to select which languages/frameworks you want to use

- **NOTE:** Do NOT expose your API keys on the frontend AT ALL. This is a massive security vulnerability. This is why third-party LLM API calls will be made on the backend. Remember, your bank accounts and/or cards are linked to these API keys. Set proper limits and don't expose yourself to bad actors.
- I'll be using TypeScript/Vite for frontend, Flutter for mobile, and Go/Gin for backend in this tutorial. AI-Powered IDEs will be a necessity for the non-coders (even if you know how to code, they boost productivity significantly). Cursor is my go-to.
- Again, code will not be a prominent factor in this course, but I'll give concrete steps for setting up a basic frontend and backend that you can use to iterate on for your project.