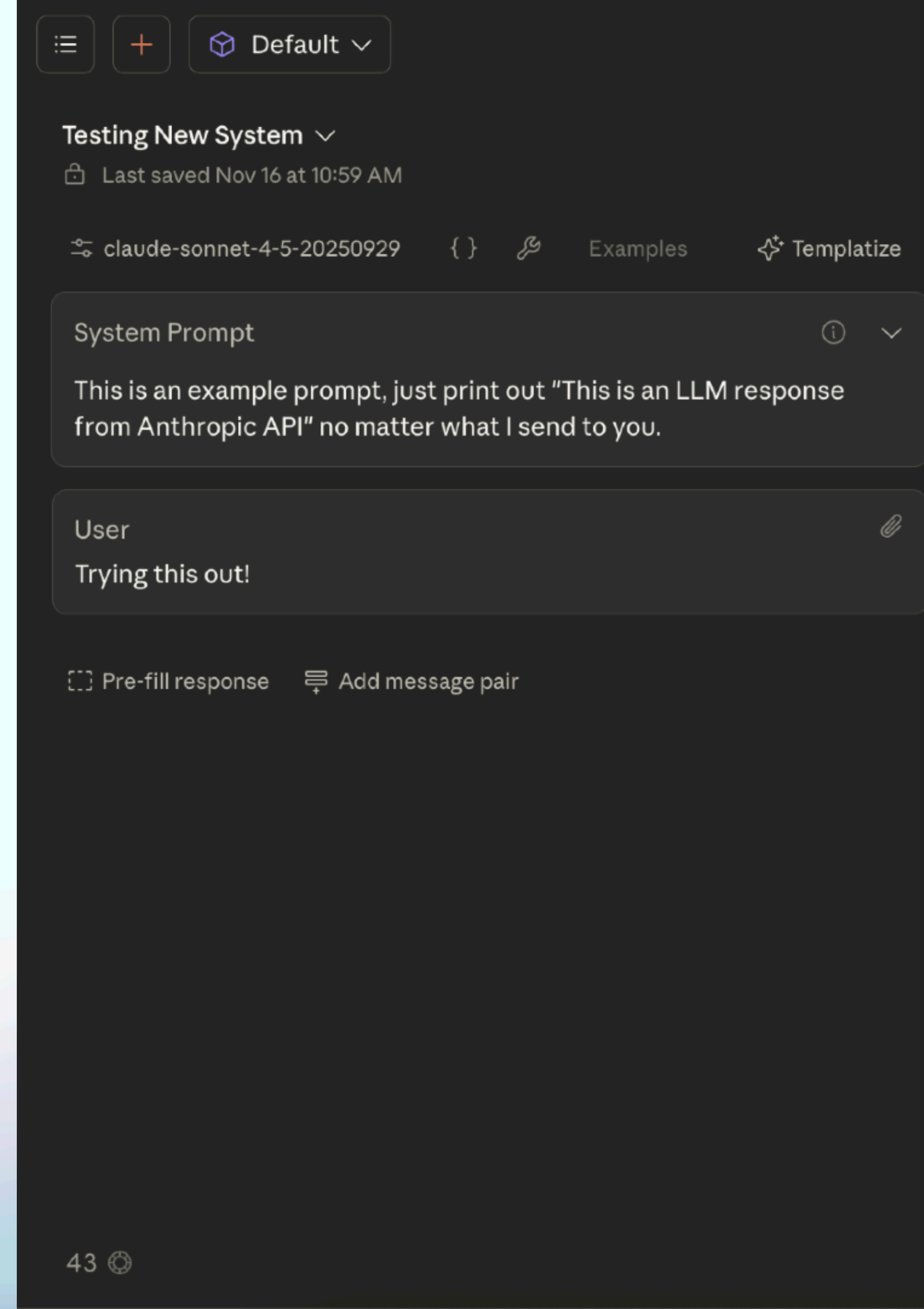


# Anatomy of an AI Request

## How building in the Workbench looks

- Prompt Library System: Most Workbenches will allow you to save your prompts to your account for easy testing. Figure out a naming system early on to account for high volume of prompts.
- Model Selection: Click 'claude-sonnet-4-5...' to switch Anthropic models.
- System Prompt: This is the static instruction your sending to the LLM, this defines what this prompt fundamentally does.
- User Request: 'User' can be misleading here for non-chatbot systems. This is just the particular data you're sending for this particular instance.
- Expected Response: "This is an LLM response from Anthropic API"



# 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.

