



Generative AI: Using AI to Build Tools

Your first hands-on prompting to prototyping session

Recap



Lesson 1

Understanding AI's superpowers and how it can enhance your workflow.



Lesson 2

Crafting better prompts using the **Context**
→ **Role** → **Interview** → **Task** method.



Your Homework Results: Did you test any Gen AI tools and practice your prompting technique? If so, what did you learn?

Today is about taking the prompting skills you've learned and applying them to try and build a tool using AI.

The Steps to Building a Custom Tool

We'll use **ChatGPT** to generate a prompt and test it in a no-code tool like **Lovable.dev**:

1

Define a Business Need

Identify a specific problem or opportunity that AI can help solve.

2

Prompt ChatGPT to Write Instructions

Use your prompting skills to generate detailed specifications for Lovable.dev.

3

Generate a Working App Prototype

Input the instructions into Lovable to create a functional prototype without coding.

Step 1: Define a business need

Before prompting AI, get clear on the Real Problem you want to solve.

Ask yourself:

- What task is repetitive or time-consuming?
- What would make your day easier if it was automated?
- Is this something you or your team does regularly?

Examples:

- A pizza restaurant owner wants to schedule shifts for 6 employees.
- A hospice manager wants a tool to summarize weekly reports.
- A team lead wants an automated task checklist for onboarding.

 ***Think of a use case from your own role or business.***

Step 2: Prompt ChatGPT to Write Instructions

Use your problem statement to ask ChatGPT to write a **prompt** for Lovable.dev.

Structure your prompt using:

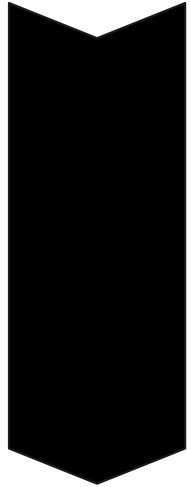
- **Context:** What's the business and problem?
- **Role:** Who should ChatGPT act as?
- **Task:** What kind of tool are you trying to create?
- **Boundaries:** What should it NOT do or include?

Example Prompt:

"You are a product designer. I run a pizza restaurant with 6 employees. Help me create a prompt for Lovable.dev to build a simple employee scheduling app that lets me input shifts, avoid overtime, and view a weekly calendar. Keep it simple."

💬 *ChatGPT will now write the Lovable prompt for you!*


Step 3 – Test Your Prompt in Lovable.dev



Let Lovable Build the App for You


1. Copy the **output prompt** from ChatGPT
2. Paste it into [Lovable.dev](https://lovable.dev)
3. Watch Lovable turn your prompt into a working prototype
4. Test and interact with what it creates

  **No coding required** — Lovable interprets the prompt and generates an app visually.

 **Goal today:** See something *working*, even if it's basic. Later, you can refine it or collaborate with a developer to expand it.

Hands-On Activity for This Week:

- Try It yourself - choose a small tool idea
- Use ChatGPT to write a prompt for it
- Test your prompt in Lovable (5 free prompts/day)

 Save screenshots or notes on what worked (and what didn't) - We'll review your progress in the next session