

Supplementary Material A: Interview Guide

Informed Consent (2 minutes)

Thank you again for joining this study. Before we begin, I want to quickly go over your rights as a participant.

This interview will take about an hour. Your participation is completely voluntary. You can skip any question, or stop the interview at any time without any consequences. With your permission, I will record the session for research purposes only.

All data will be kept confidential and stored securely at [Research Institute (anonymized for review)]. When we analyze and publish results, your responses will remain anonymous and no personal details will be shared. If you decide to withdraw later, we will remove your data from the study.

Do you consent to participate under these conditions?

1. Workflow & Productivity (30 minutes)

Thank you for joining. We're exploring how vibe coding AI tools such as Cursor, Lovable, and Bolt influence product design and development workflows. This is an open discussion, so please feel free to share your experiences, challenges, and thoughts.

Warm-up questions:

- Could you share a bit about your background?
- What kind of text-to-app AI tools are you currently using for product design and development

Workflow-focused questions:

- What do you like about these AI tools?
- Where did the AI tool speed up or slow down your process? Can you share an example?
- How does it influence your creativity?
- What challenges do you face when using these AI tools?
- What is your typical workflow using AI tools, especially for creating designs or frontend code?
- How does your workflow compare to using Figma, Sketch, or Adobe XD?
- How do you work with existing design data (e.g., screenshots, past projects)?
- Do you use these tools for testing prototypes or generating production code?
- What types of projects do you think these AI tools are most suitable for? When do they not fit well?

2. AI Prompts, Design Accuracy & Oversight (15 min)

- Could you share your screen and walk me through how you write prompts in your projects?
- What types of prompts work best? What doesn't work?
- How do you refine or iterate the AI-generated design/code/app?
- Do you mainly use prompts, or do you also directly change the code?
- How much code do you feel you need to evaluate in AI-generated design/code?
- How do you ensure design-to-code accuracy from AI outputs?
- What tasks do you trust AI with, and what tasks do you not trust AI for when generating designs/apps?

3. Collaboration, Adoption & Career Impact (15 min)

Now we'd like to talk about the impact of AI tools on collaboration and your role.

- How do AI tools impact your collaboration with cross-functional partners?
- How have these tools affected team decision-making (e.g., who makes which decisions)?
- How have these tools changed your role in design or development (as a Designer/Product Manager/Engineer)?
- How do you view your ownership of the product versus what AI generates?
- What new skills do you think you need to learn as a [role]?
- What skills or practices might you need to unlearn?
- How do you see AI tools fitting into the future of product design and development work?