

# Discussion on Requirements Engineering

17-316/616 Fall 2025

AI Tools for Software Development

<https://ai-developer-tools.github.io>

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# Reflection prompts this week

1. How did the LLM help you identify potential customer problems worth solving? Provide 3 examples of where the tool was effective and where it fell short.
2. What similarities and differences were there between the persona/LLM and the people you interviewed for your project? What biases were displayed by each?
3. Do you believe that suitably fine-tuned LLMs could replace real users in the user discovery process? Why or why not? Provide arguments pro and con.
4. In what way did the persona/LLM activity on Monday change how you adapt questions to the particular communication styles of your interviewees?
5. How appropriate were the user stories you vibe coded from user discovery without providing any additional guidance to the LLM? How did your additional prompting improve the results? Provide three examples.
6. How did using the LLM help you translate user stories into concrete development features? What challenges did you face in refining requirements, and how did you address them?

# Discussion Instructions

- Instructor announces the reflection question.
- If you chose this reflection question to answer for homework, come up to the front. You are the discussant group.
- Class forms into pairs.
- Pairs and discussant group should now reflect on the question by themselves (6 min)
  - Explain what you think, why, and how you've come to your conclusions.
- For each discussant (2 min each):
  - Instructor will choose a pair to report their answer to the class.
  - Discussant responds and connects the answer to their own reflection.

# Reflection Prompt

- Do you believe that suitably fine-tuned LLMs could replace real users in the user discovery process? Why or why not? Provide arguments pro and con.

# Reflection Prompt

- What similarities and differences were there between the persona/LLM and the people you interviewed for your project? What biases were displayed by each?

# Reflection Prompt

- How did using the LLM help you translate user stories into concrete development features? What challenges did you face in refining requirements, and how did you address them?

# Reflection Prompt

- How did the LLM help you identify potential customer problems worth solving? Provide 3 examples of where the tool was effective and where it fell short.

# Reflection Prompt

- How appropriate were the user stories you vibe coded from user discovery without providing any additional guidance to the LLM? How did your additional prompting improve the results? Provide three examples.



# Reflection Prompt

- In what way did the persona/LLM activity on Monday change how you adapt questions to the particular communication styles of your interviewees?

# Homework

- P1 Requirements Engineering
  - Explore value propositions, user discovery, and user stories
  - Due tonight, September 17, 2025, 11:59pm
- P2 Development Specs
  - Turn your project's user stories into development specifications using an LLM!
  - Due Wednesday, September 24, 2025, 11:59pm.