# AI in Software Engineering Processes

Group session 10

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# Agenda

- Quiz
- Quick recap
- Exercise
- Work on deliverable 2

# Quiz!

# Repetition from lecture

# Agentic Engineering

- AI agents are AI systems that can use tools and perform tasks with some autonomy
- They can help developers write code, debug, test, and plan
- Complex tasks can be broken down into smaller, manageable tasks
- Harness Engineering: Providing agents with structure, context, instructions, and tools to work effectively

Examples: Claude Code, OpenAI Codex og GitHub Copilot coding agent

## Benefits

- Faster development and automation of repetitive tasks
- Support for planning, documentation, and testing

## Challenges

- AI-generated code can contain errors and create technical debt
- Developers may become too dependent on AI and learn less
- AI output still needs testing, review, and human judgment

# Exercises

# Case: AI Agents in an Agile Team

A Scrum team consists of five developers, a Product Owner, and a Scrum Master.

The company introduces AI coding agents that can independently implement features, write tests, and create pull requests.

Management expects the team to deliver twice as many features per sprint.

However, developers now spend more time reviewing AI-generated code, and some team members worry about code quality.

Discuss:

1. How might AI agents change the team's way of working?
2. How should the team adapt its Definition of Done?
3. Does delivering more features necessarily mean the team is more productive?
4. What should the team discuss during its next Sprint Retrospective?

# Have a nice weekend! :D



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