

A grayscale photograph of a person with dark hair wearing large headphones, looking intently at a laptop screen. Their hands are clasped together near their chin in a thoughtful pose. The background is blurred, showing what appears to be an office or studio environment. A thin white rectangular border frames the central text and the person's face.

ARCHITECTURE

Java Clean code

Outline

Lesson 11

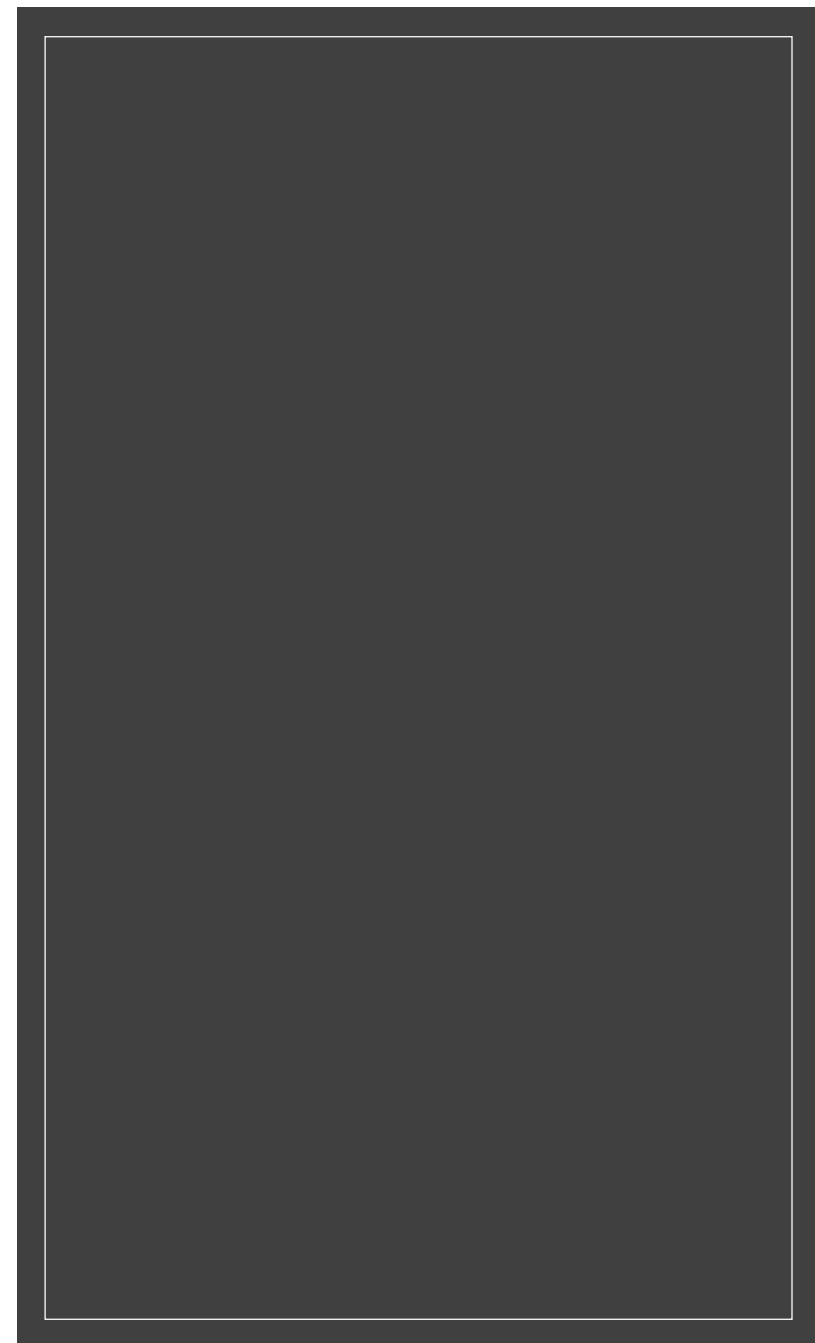
Components

Lesson 12.

Architecture

Lesson 13.

Test Driven Development



*Any fool can write code that
a computer can understand.
Good programmers write code that
humans can understand.*

Martin Fowler



Architecture

- System planning
- Separate use cases and UI
- Separate components



Architecture

- Good architecture is not based on tools and frameworks.
- On the other hand good architecture allow you to postpone the pick of the frameworks late in the development.
- Don't depend on the delivery mechanisms. It hides it rather than expose it.
- Good Architecture allow the cost of use cases to the UI allowing the managers to compare the cost. Use cases should depend on abstractions
- MVC makes a good structure for the delivery



Use cases

- User interacts with the system
- Validations
- UML use case diagram
- DB





Architecture Lesson Summary

- Good architecture is not based on tools and frameworks.
- On the other hand good architecture allow you to postpone the pick of the frameworks late in the development.
- Don't depend on the delivery mechanisms. It hides it rather then expose it.
- Good Architecture allow the cost of use cases to the Ui allowing the managers to compare the cost. Use cases should depend on abstractions
- MVC makes a good structure for the delivery

Course Progress

Lesson 11

Components

Lesson 12

Architecture

Lesson 13

Test Driven Development

A sepia-toned photograph of a person clapping their hands. In the foreground, a wooden desk holds an open notebook with a smartphone resting on it. A laptop is partially visible in the background. A dark grey rectangular box with a thin white border is overlaid on the left side of the image, containing the text 'THANK YOU!' in a white serif font.

THANK YOU!