

# Architectural Superpowers



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#ArchSuperSwift

# A Canonical Examples Production



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# Agenda



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# Agenda

★ Superpowers



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# Agenda

- ★ Superpowers
- ★ Scenarios



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# Agenda

- ★ Superpowers
- ★ Scenarios
- ★ Recap



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# Superpowers

# Architecture for You

- ★ Less repetition
- ★ More reusability
- ★ Easier maintenance
- ★ Less dependent
- ★ More testable
- ★ Faster to change



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Pride



A close-up photograph of a LEGO Batman minifigure. The figure is wearing a dark blue vest over a black suit. On the vest, there is a yellow Batman logo on the left side and the word "Super" in orange and "Friends" in yellow on the right side. The figure has a determined expression with white eyes and a brown mouth. The background is a solid dark grey.

Super  
Reusability

# Single Responsibility Principle

View

Controller  
Presenter  
View Model

Model

# Single Responsibility Principle

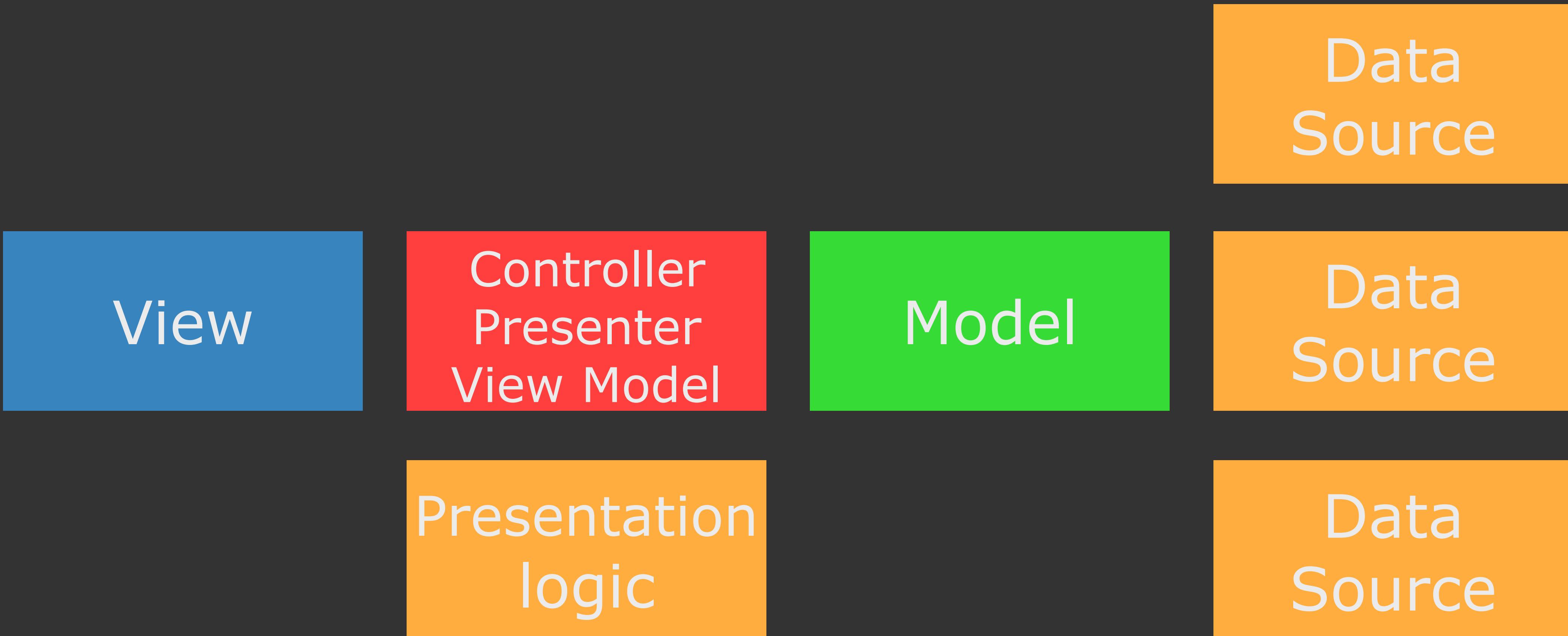
View

Controller  
Presenter  
View Model

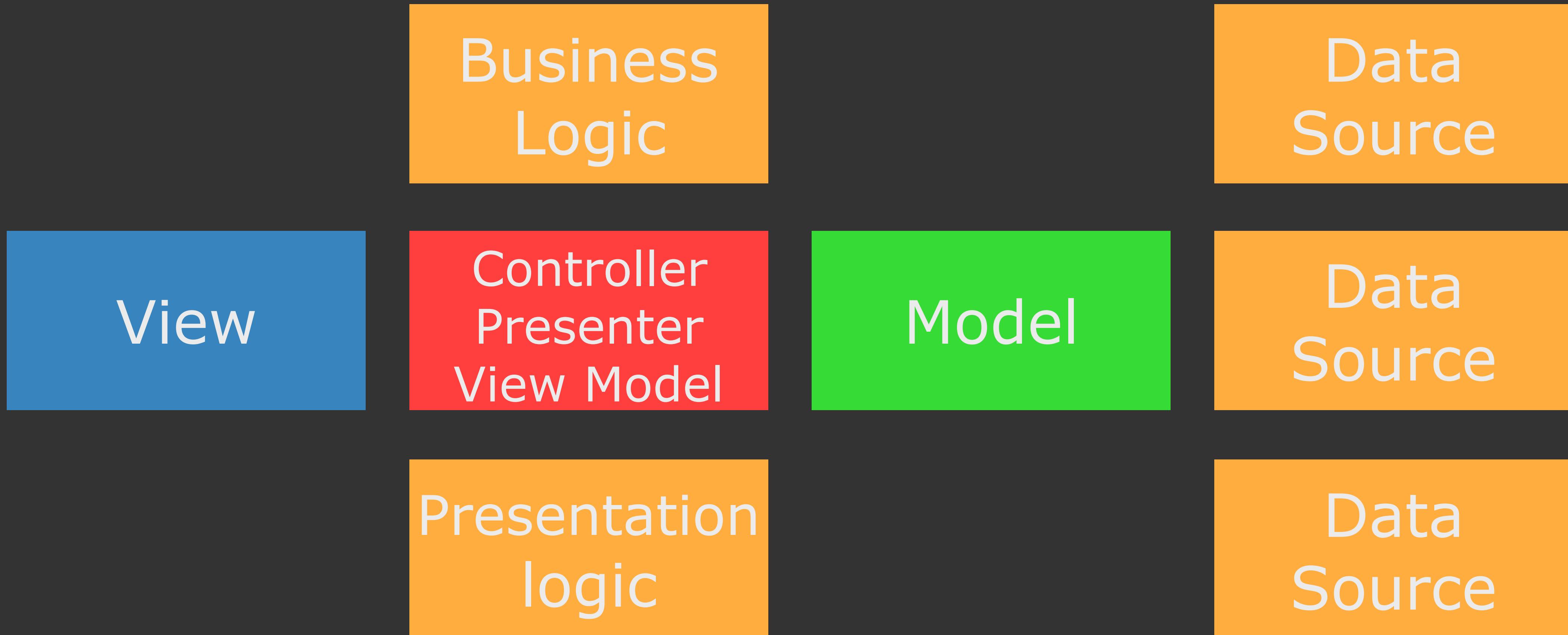
Model

Presentation  
logic

# Single Responsibility Principle



# Single Responsibility Principle



A close-up of a LEGO superhero figure with spiky hair and a determined expression, holding a glowing energy cube.

Super  
Independence

# Dependency Inversion Principle



# Dependency Inversion Principle

High Level

# Dependency Inversion Principle

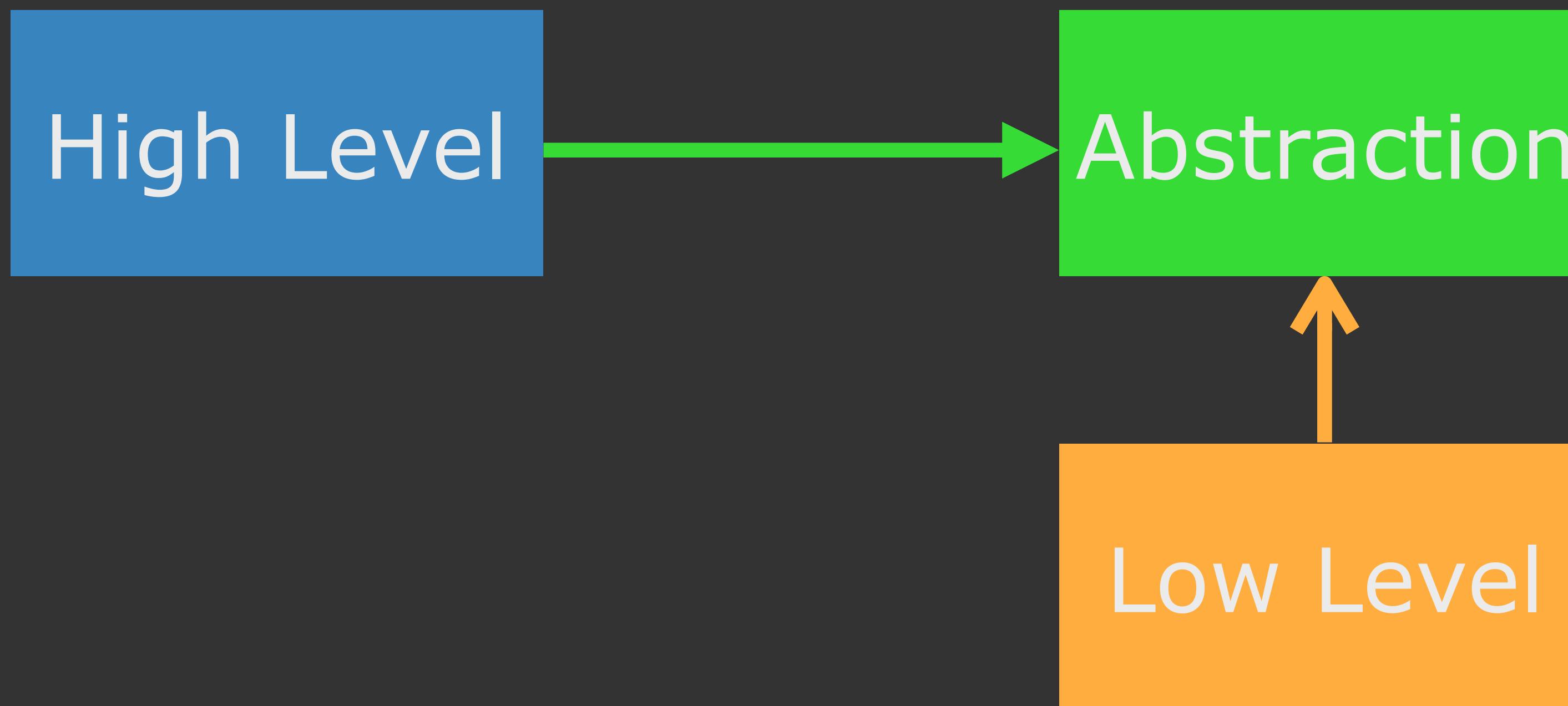
High Level

Abstraction

# Dependency Inversion Principle



# Dependency Inversion Principle





Super  
Testability

# Testability

- ★ Make dependencies explicit
- ★ Make dependency injection easier
- ★ Benefit from other principles



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# Scenarios





1





A large, semi-transparent black rectangular box covers the left side of the slide. Inside this box, the words "Reuse Logic" are written in a bold, orange, sans-serif font. The background of the slide features a futuristic cityscape at night. A large, dark building on the right has blue and purple glowing pipes or cables running along its exterior. In the sky, several glowing spheres of different colors (pink, blue, yellow) are scattered, some with trails. The overall atmosphere is high-tech and futuristic.

# Reuse Logic



2

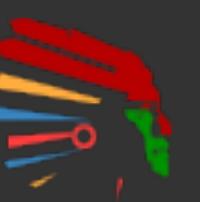




Replace  
Backend



3





Test

# Takeaways



# Recap

- ★ Architecture has real, practical benefits
- ★ Learn the principles
- ★ Learn about design patterns
- ★ Apply them gradually



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Get your  
superpowers  
too!



Thank

You!



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