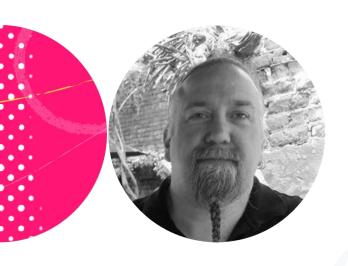
Putting It All Together

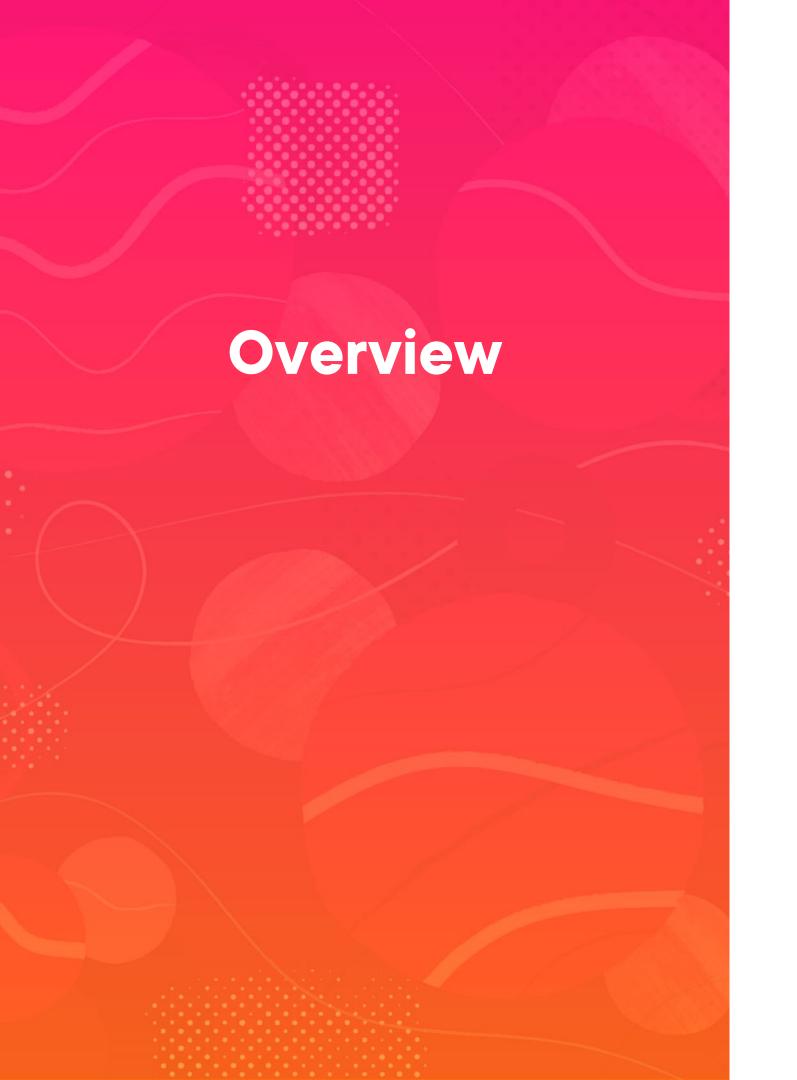


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Four Pillars

- Encapsulation of data
- Abstraction of behavior
- Inheritance
- Polymorphism

SOLID

Design Patterns



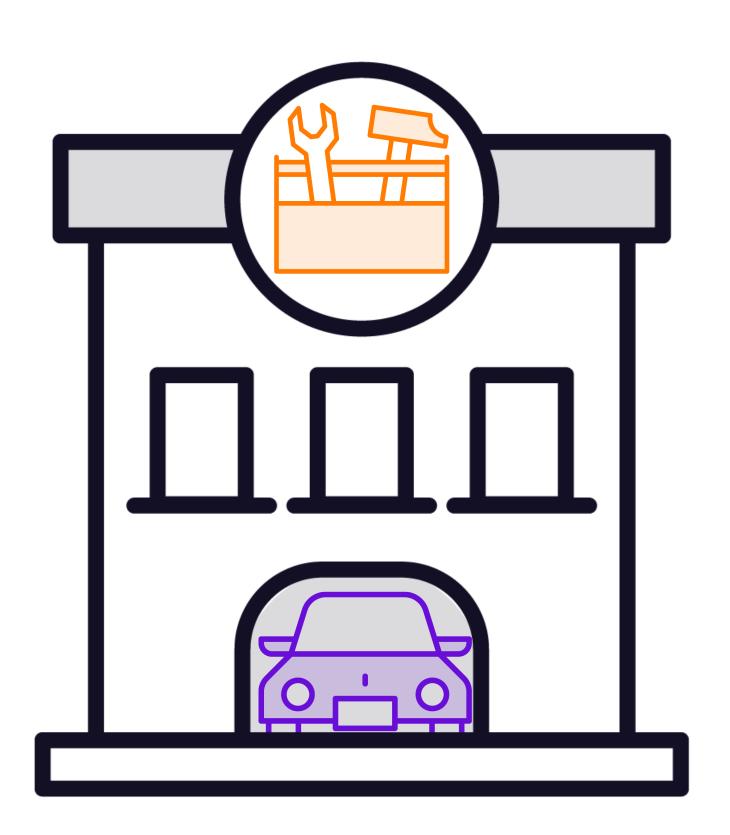


See Also

Domain-driven Design Fundamentals

Julie Lerman & Steve Smith

Example: Auto Repair Quotation System



Use Case

"As a repair shop owner, I would like an automated system to generate quotes for vehicle repair orders so that I can provide accurate cost estimates for my customers."



Out of Scope



Part inventory



Suppliers



Vehicle-specific parts



Labor categories



Cost snapshots



Design Tips

- Talk out the design
- Try to explain it from scratch
- Focus on areas of uncertainty
- Update the design to address those areas
- Repeat as needed



Implementing the Domain



Data Access



Business Logic





See Also

Entity Framework Core Path

POCO Objects



"Plain Old CLR Object"



Minimal functionality



Aware of connections to other objects

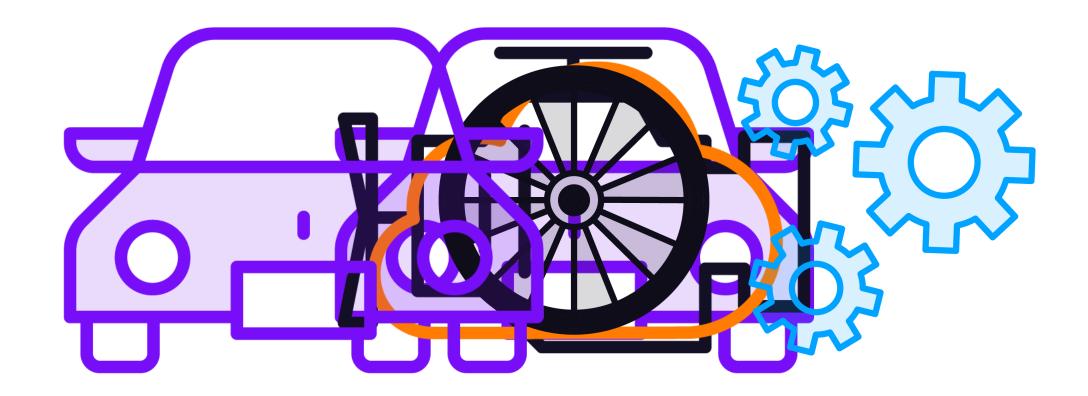


Persistence agnostic



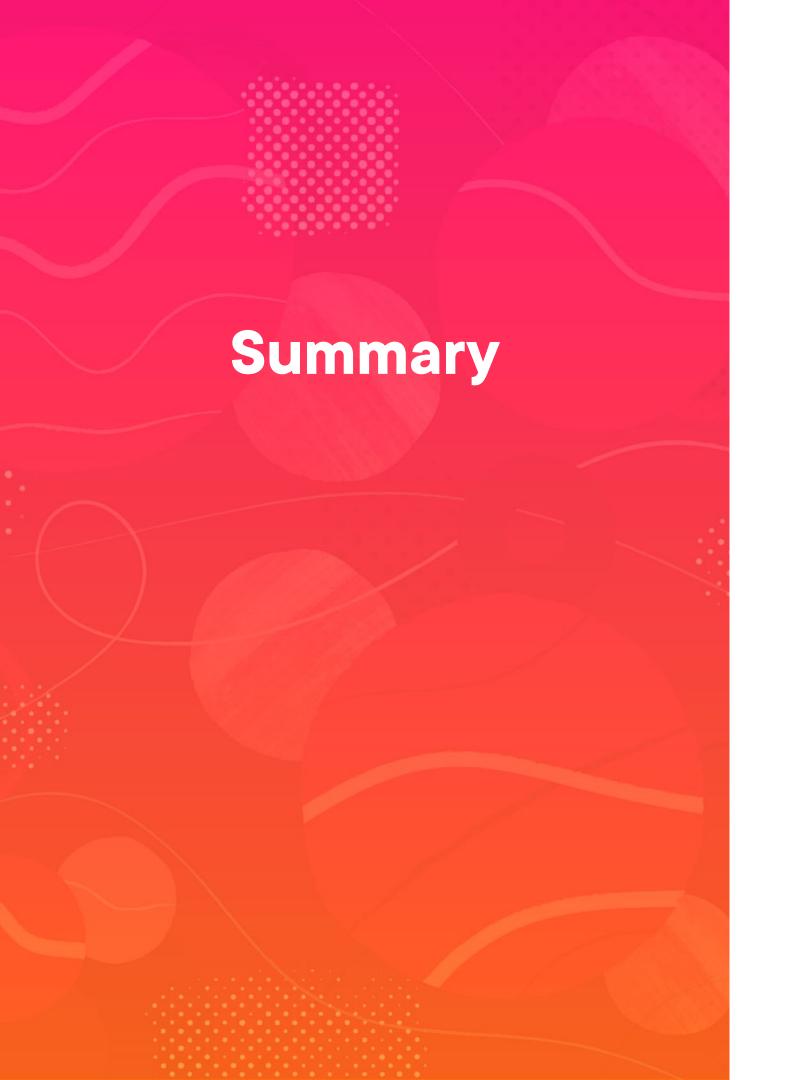
Works well with ORMs

Warranty Types



Summary



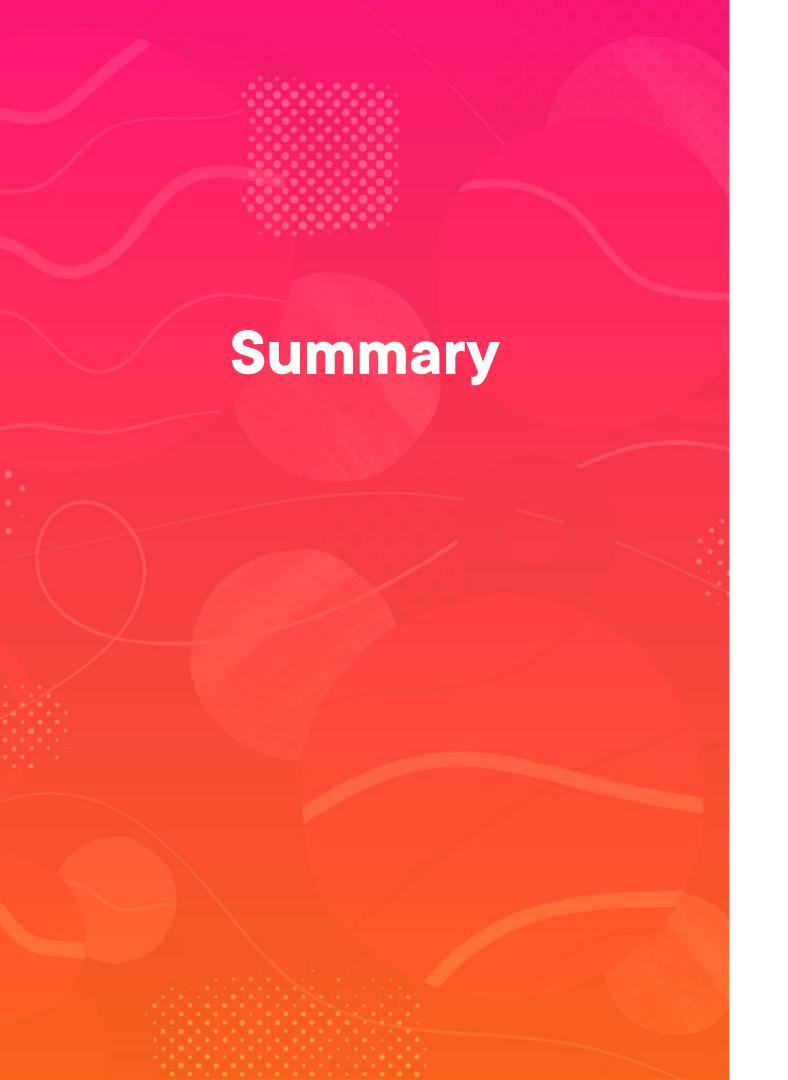


Four Pillars

- Encapsulation
- Abstraction
- Inheritance
- Polymorphism

SOLID

- Single-responsibility
- Open/Closed
- Liskov Substitution
- Interface Segregation
- Dependency Inversion



Nullability

Patterns

- Strategy

- Singleton

Equality

Immutability

Records

Options pattern



Thanks for Watching

