

C# Design Patterns: Mediator

MEDIATOR PATTERN



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Course Overview



Understanding the Mediator Pattern

Implementing Mediator

Mediator Examples



What is the Mediator Pattern?





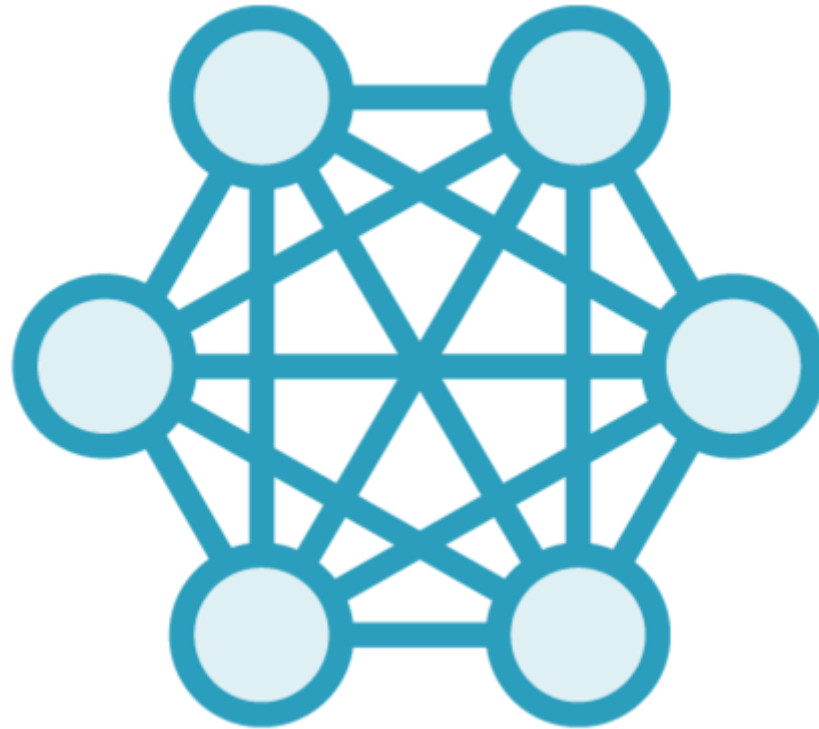
Encapsulate how objects interact

Promote loose coupling between objects

Mediator avoids objects referring to each other



Communication – Between Objects



Communication – Mediator



Composite Pattern Characteristics

Mediator

I define communication between colleagues

Concrete Mediator

I implement communication between colleagues

Colleague

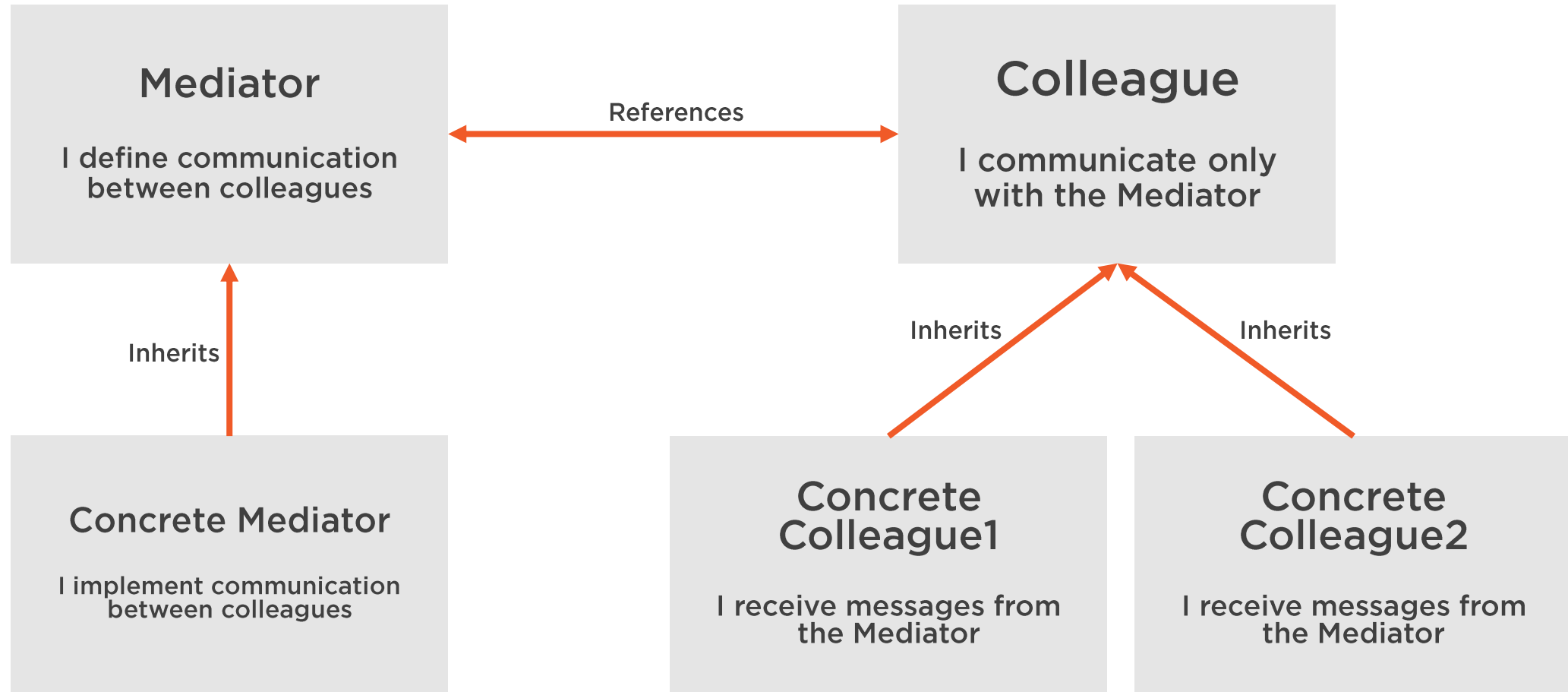
I communicate only with the Mediator

Concrete Colleague

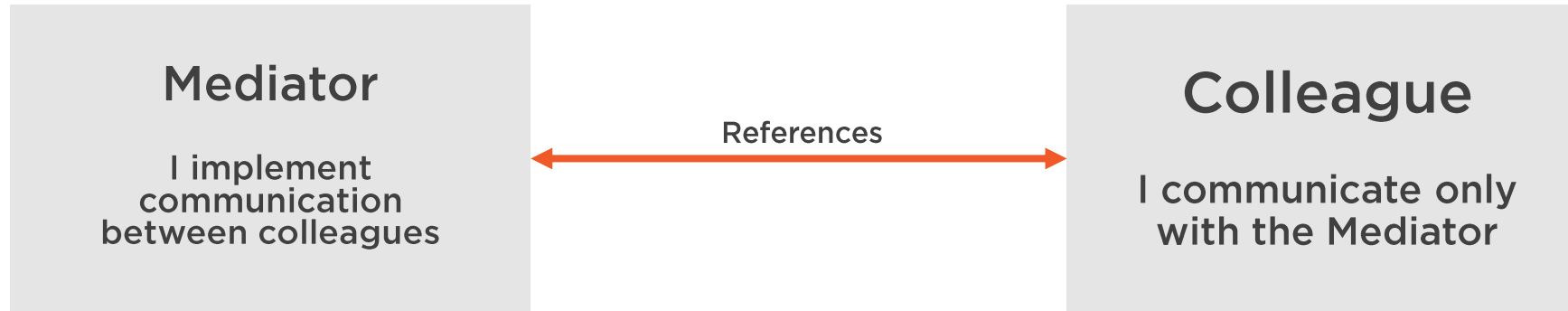
I receive messages from the mediator



Mediator Pattern Characteristics



Mediator Pattern Characteristics



Encapsulate object
interaction with loose
coupling



Demo



Mediator Pattern – Structural example



Demo



Alternative Considerations



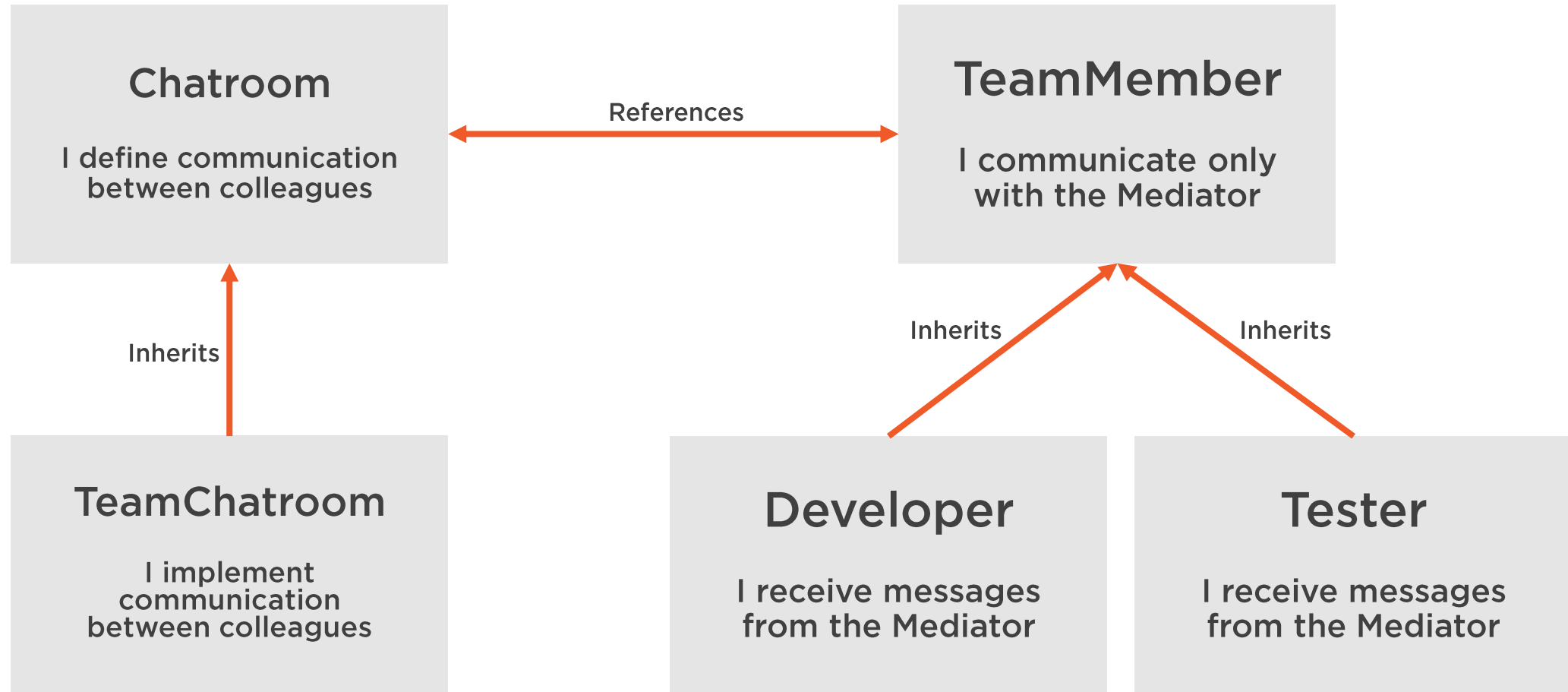
Demo



Real World Example – Chat App



Chat Room



Demo



Real World Example – Location Proximity



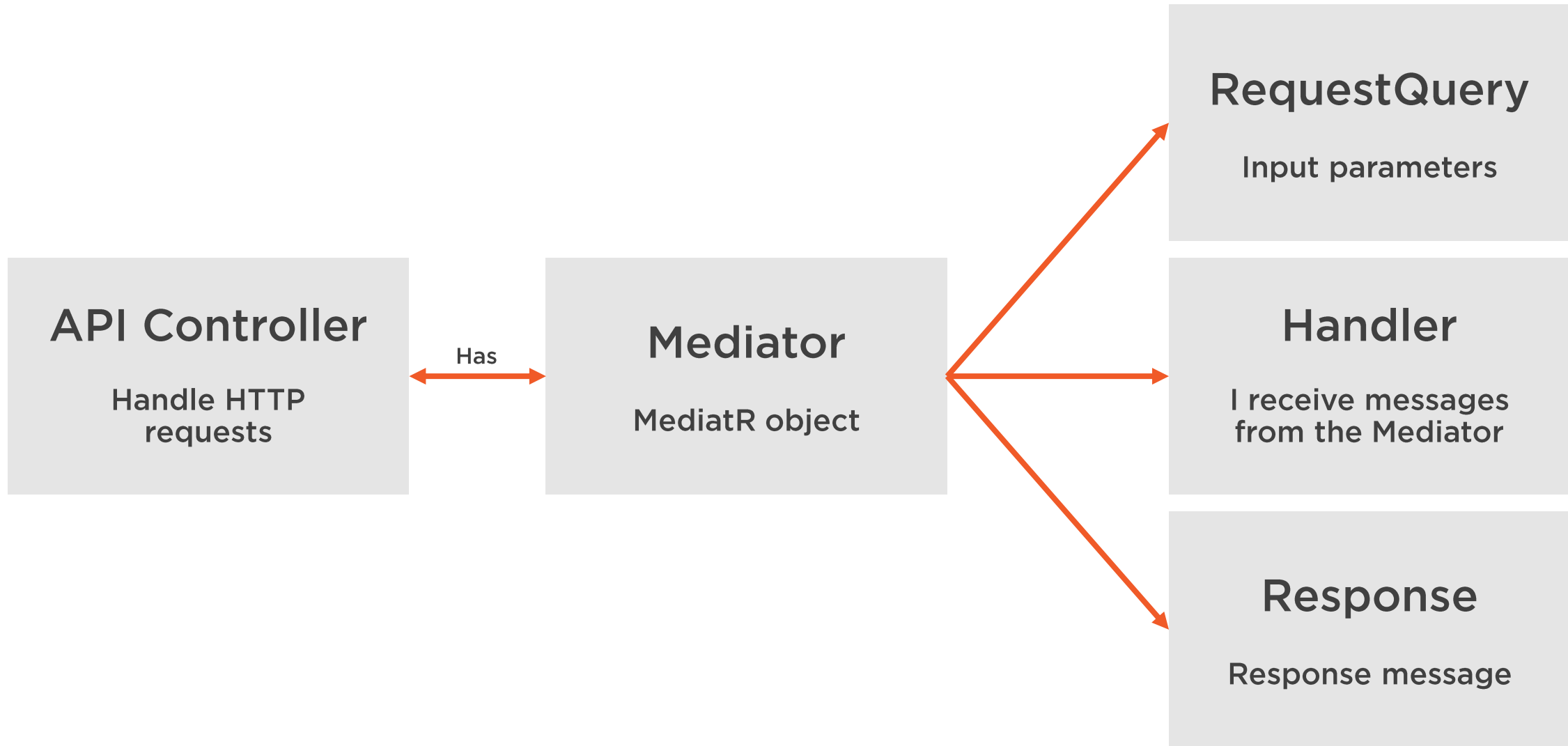
Demo



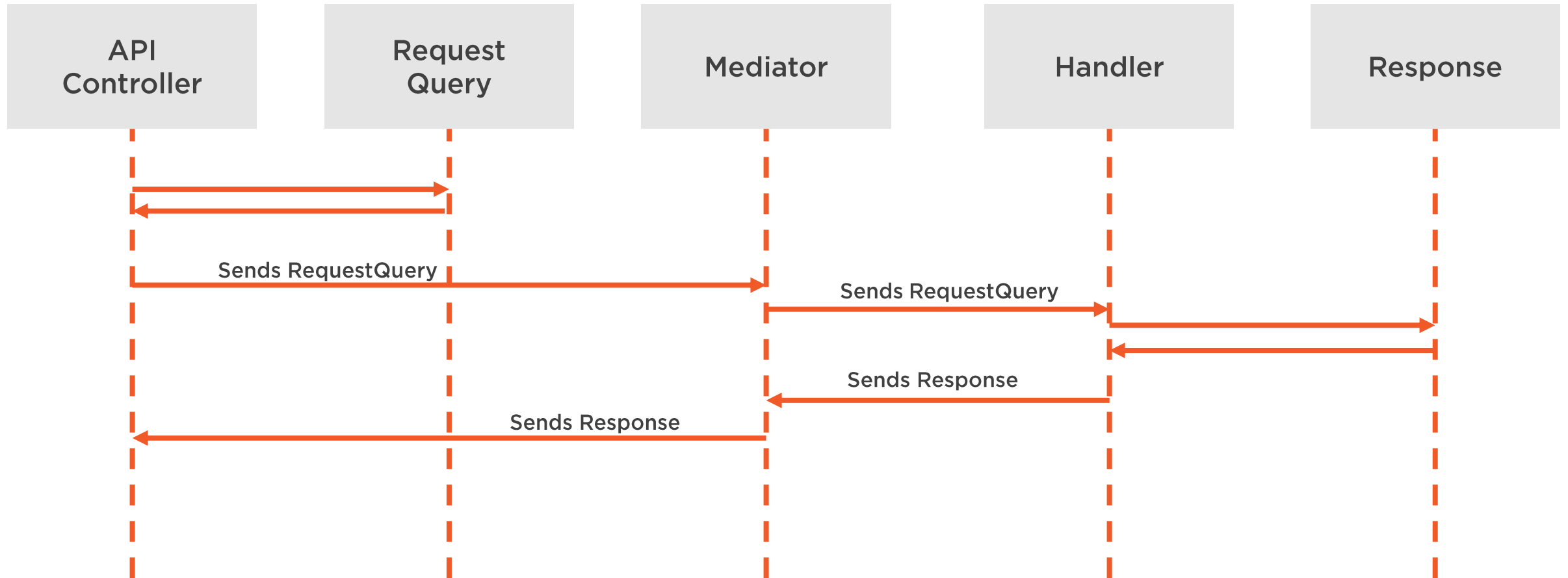
MediatR



Web API with MediatR



Web API with MediatR



Summary



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Implementing Mediator

Mediator Examples



Encapsulate object
interaction with loose
coupling



Thanks for watching!

