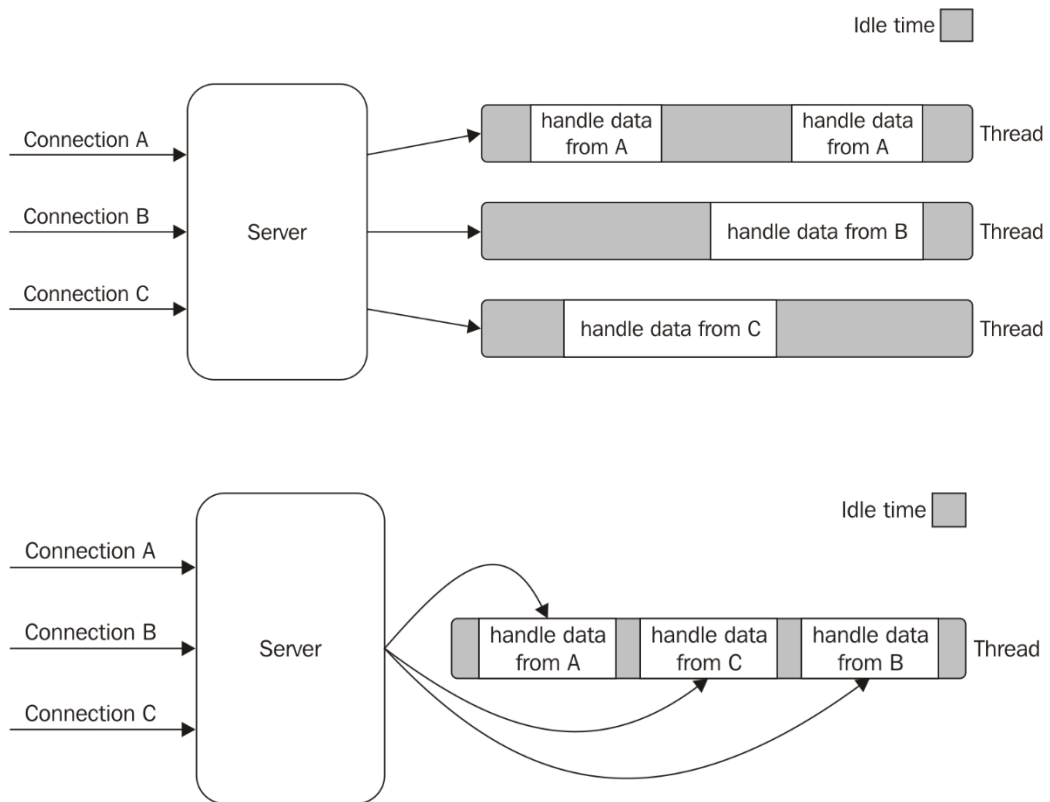
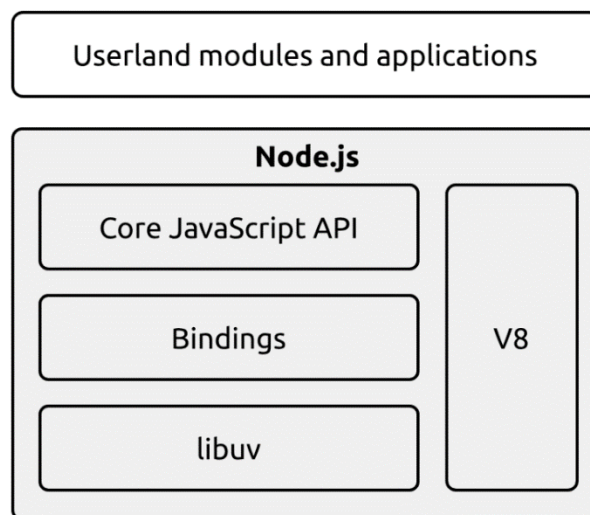
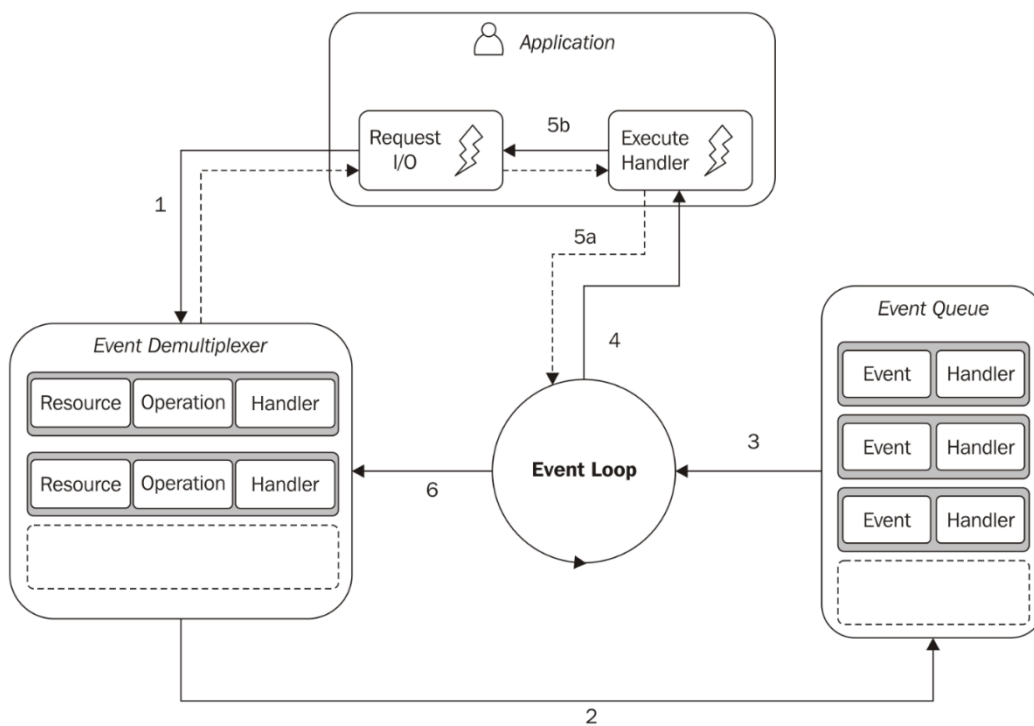
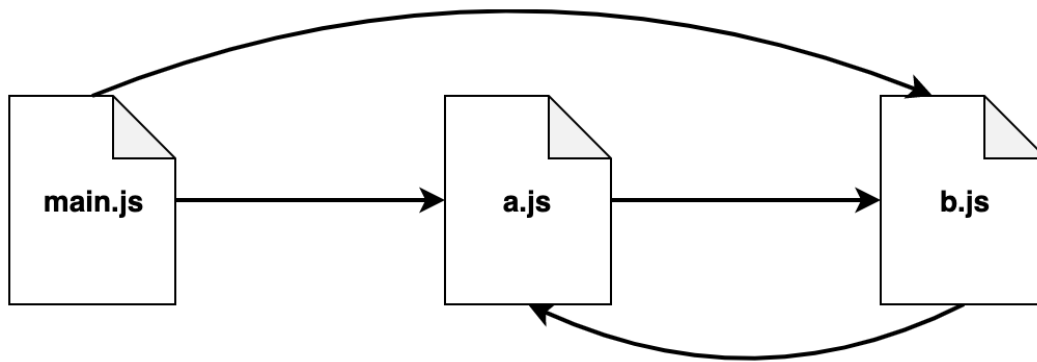


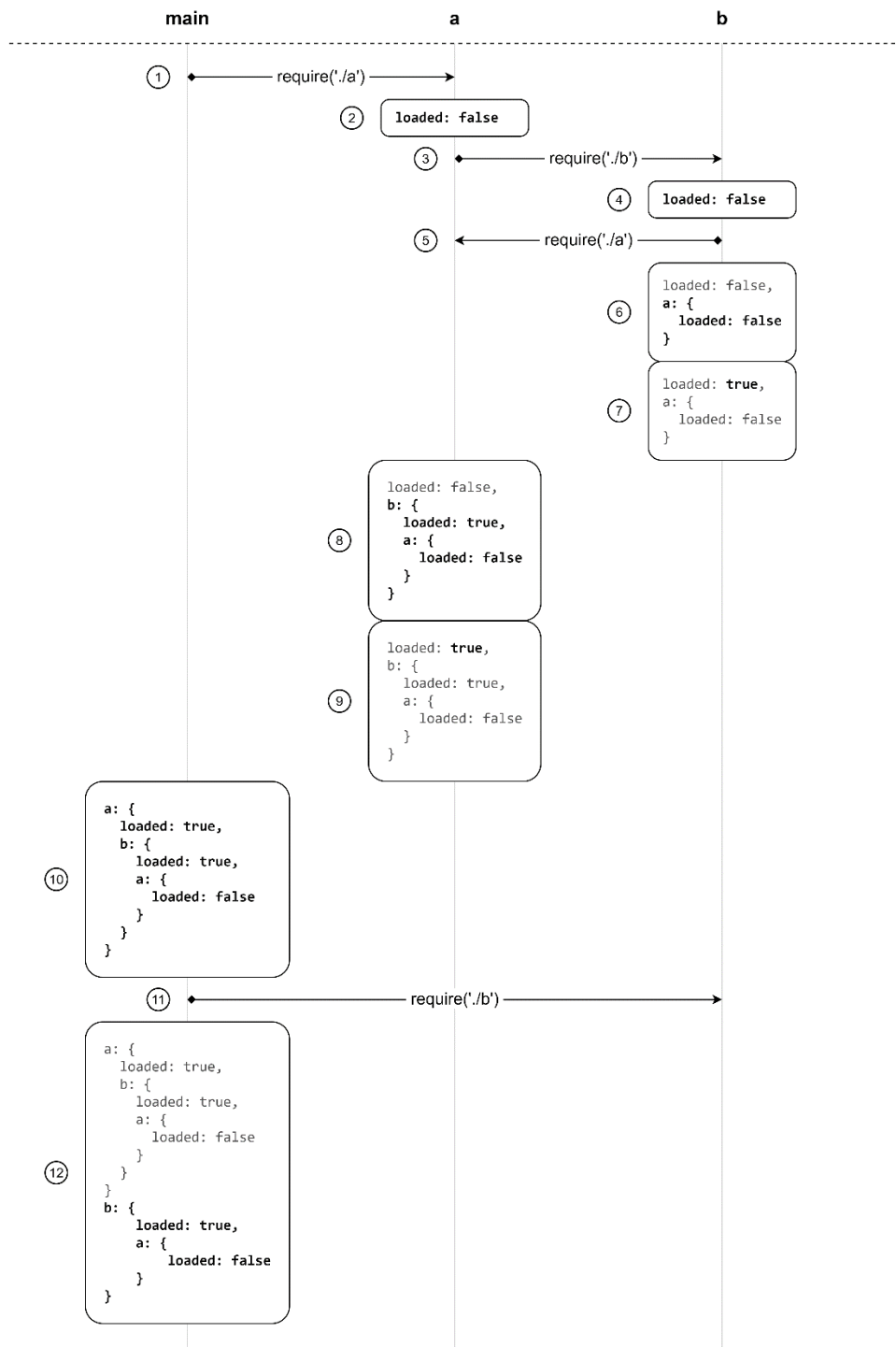
## Chapter 01: The Node.js Platform

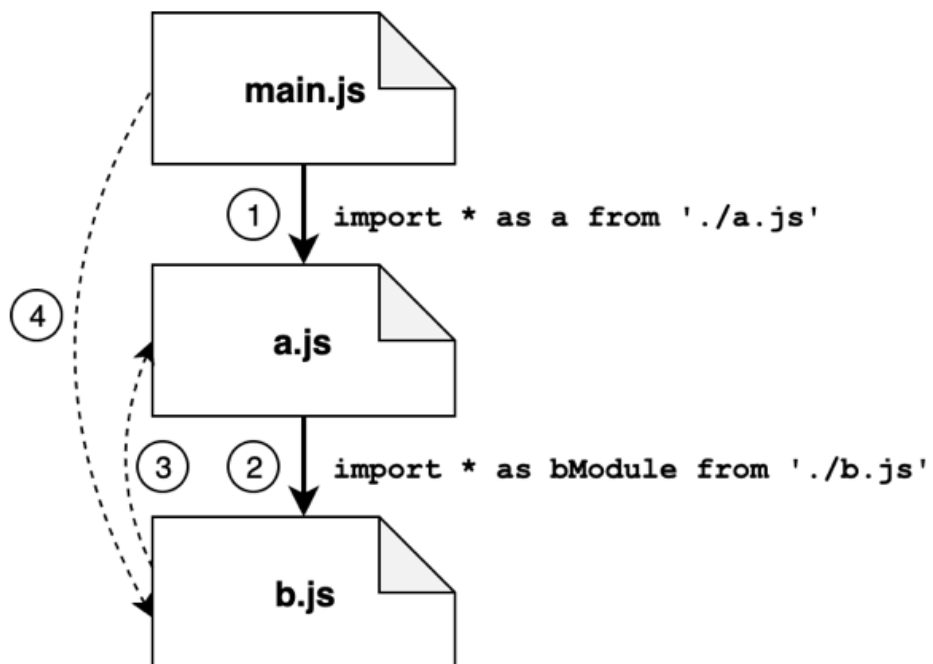
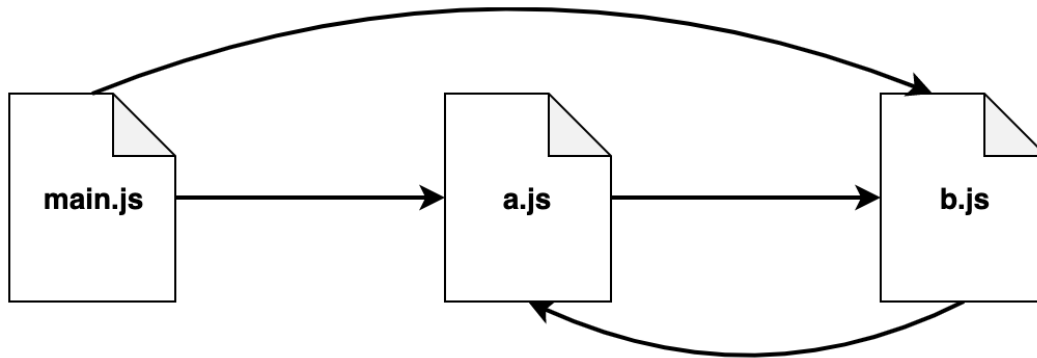


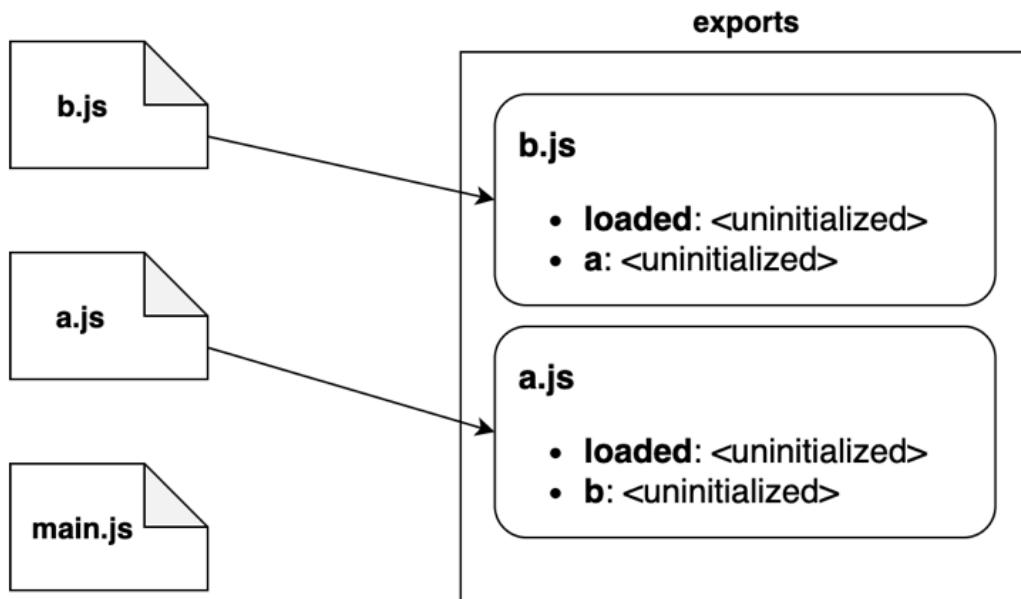
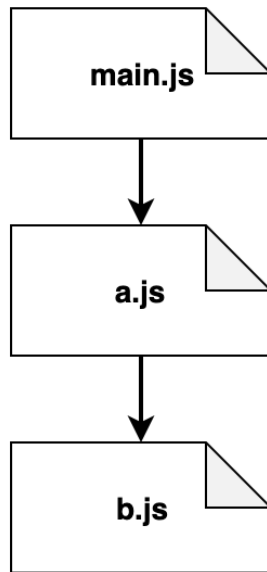


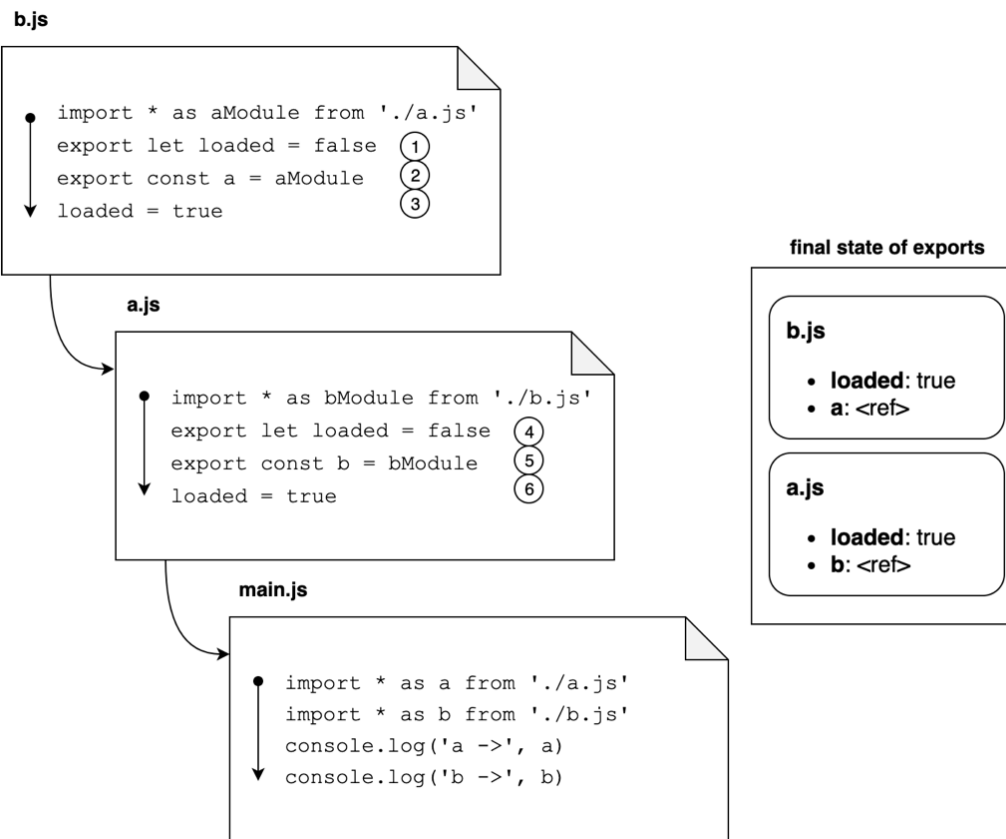
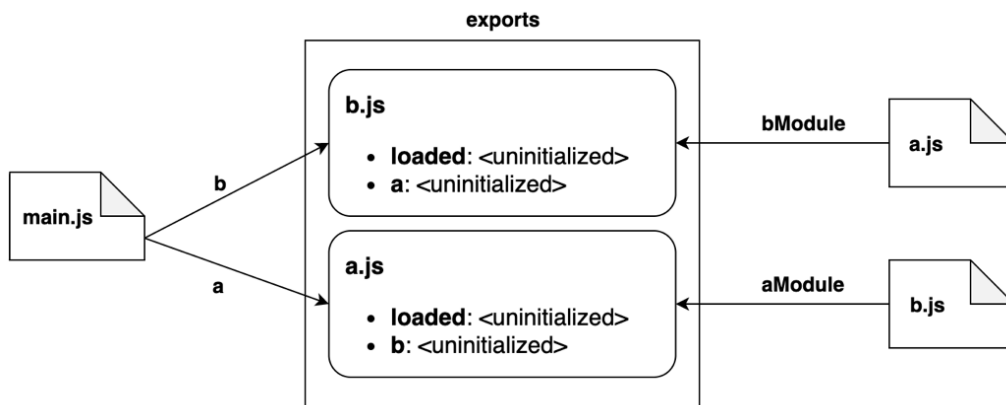
## Chapter 02: The Module System



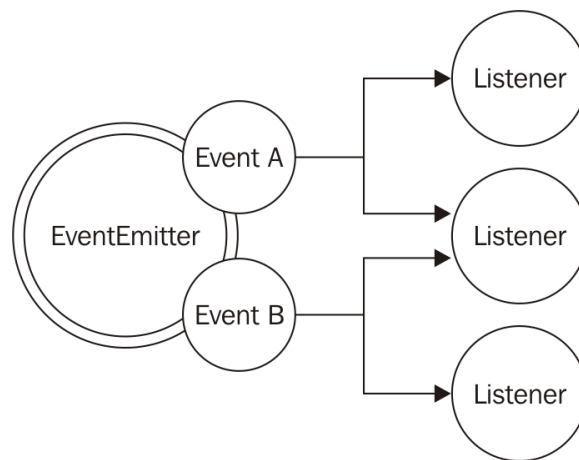
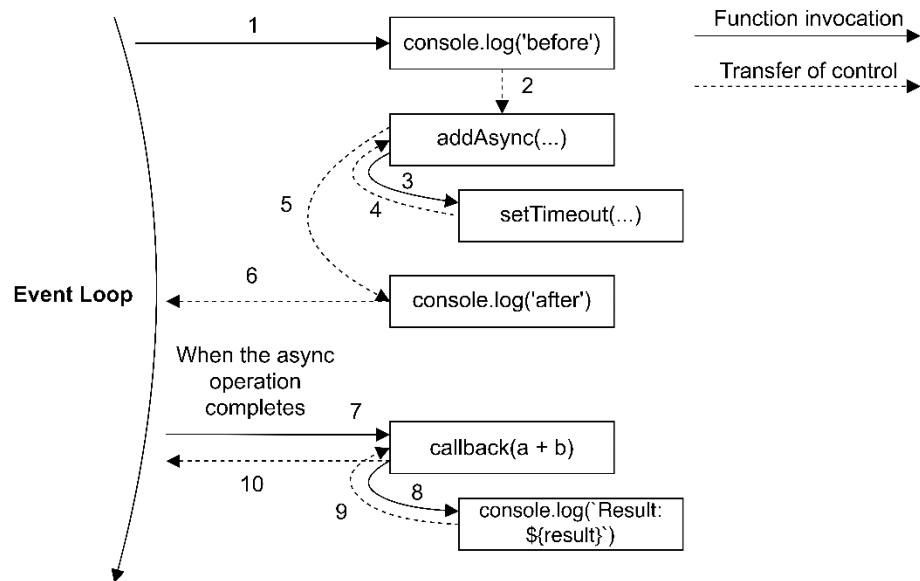






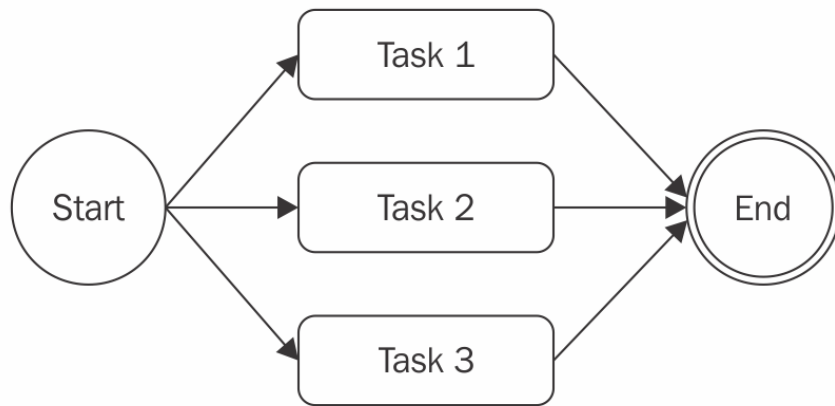


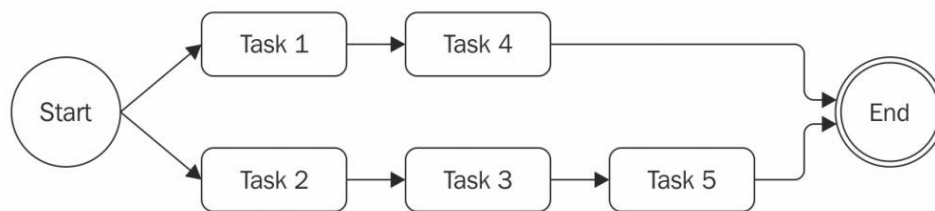
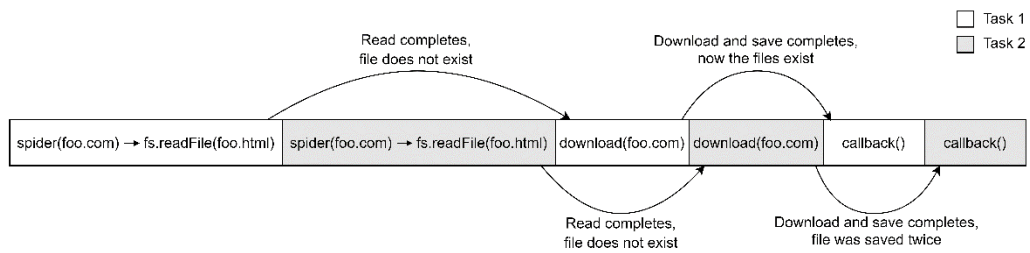
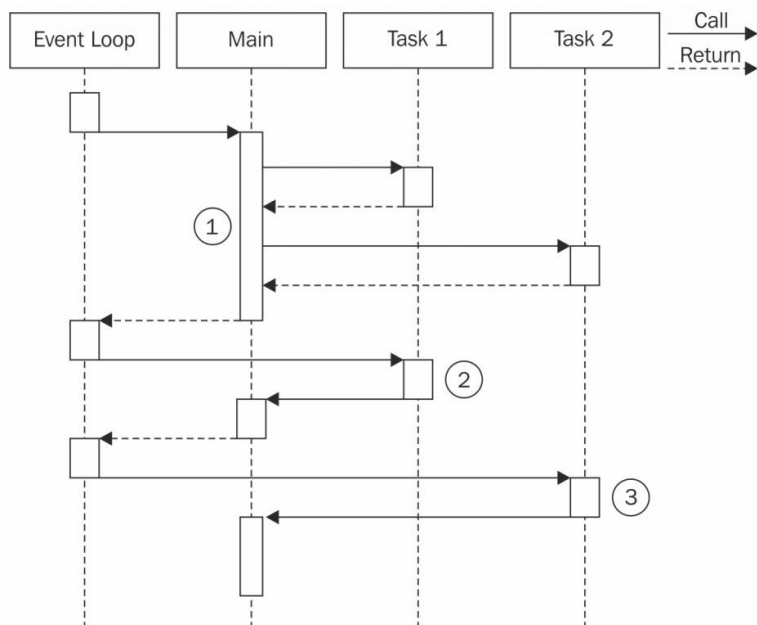
## Chapter 03: Callbacks and Events



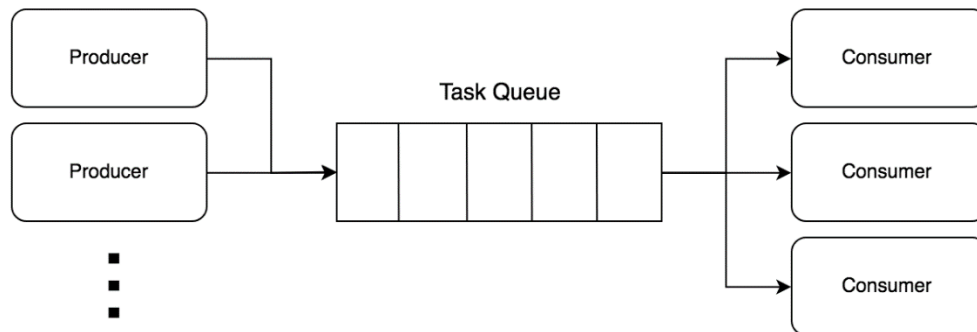
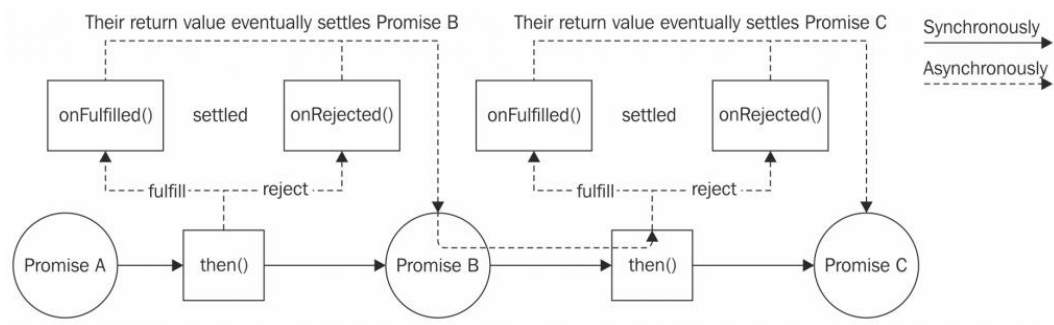


## Chapter 04: Asynchronous Control Flow Patterns with Callbacks

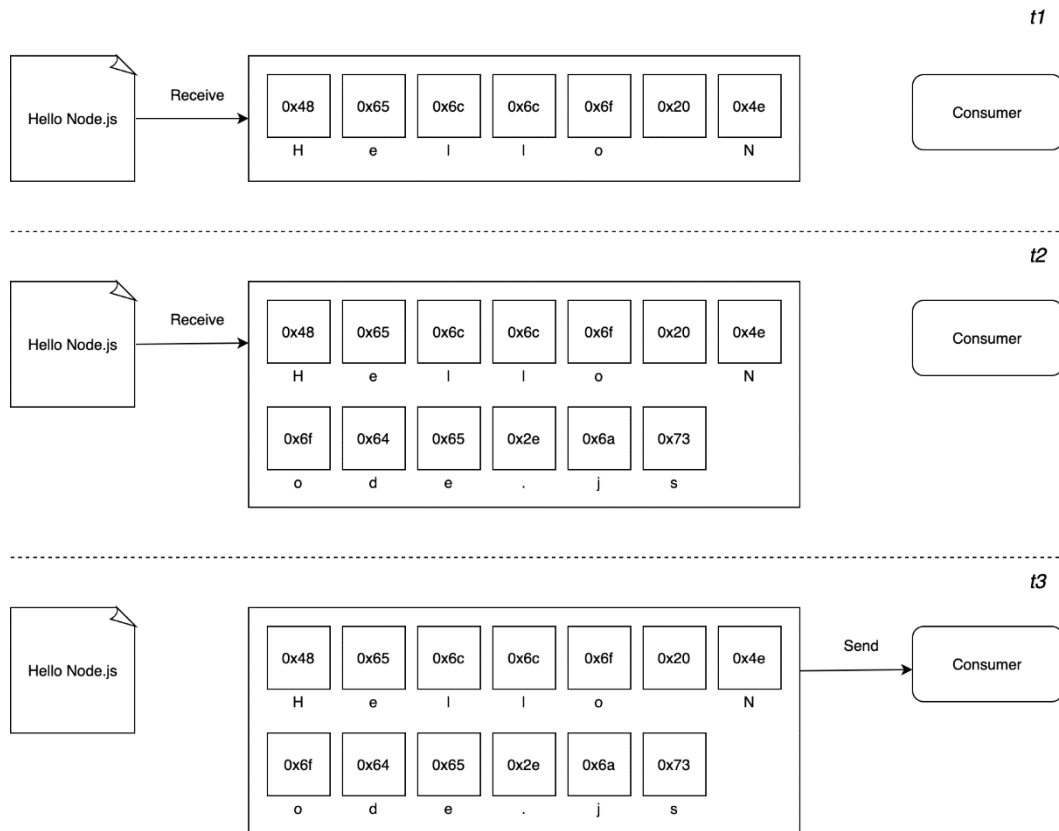


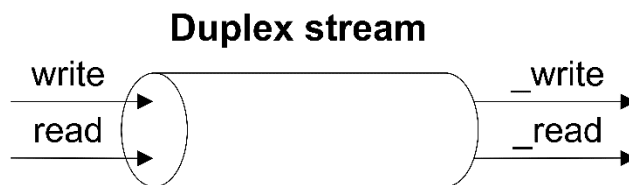
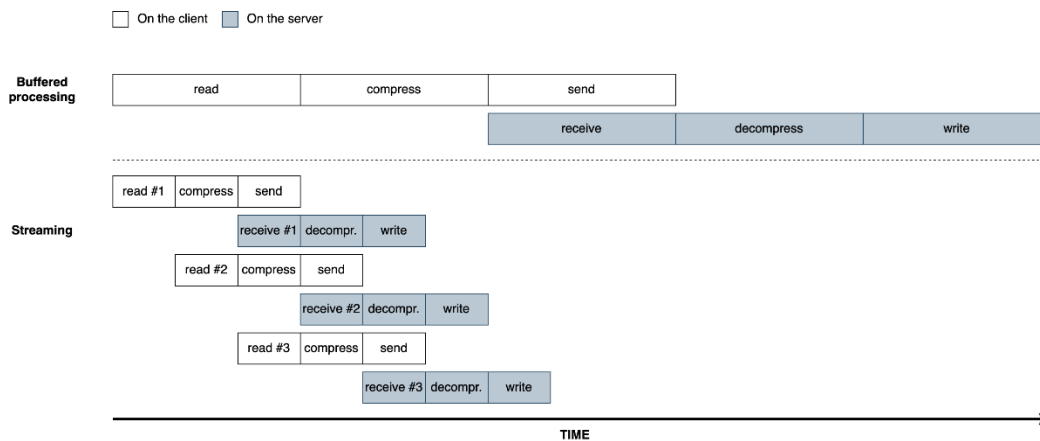
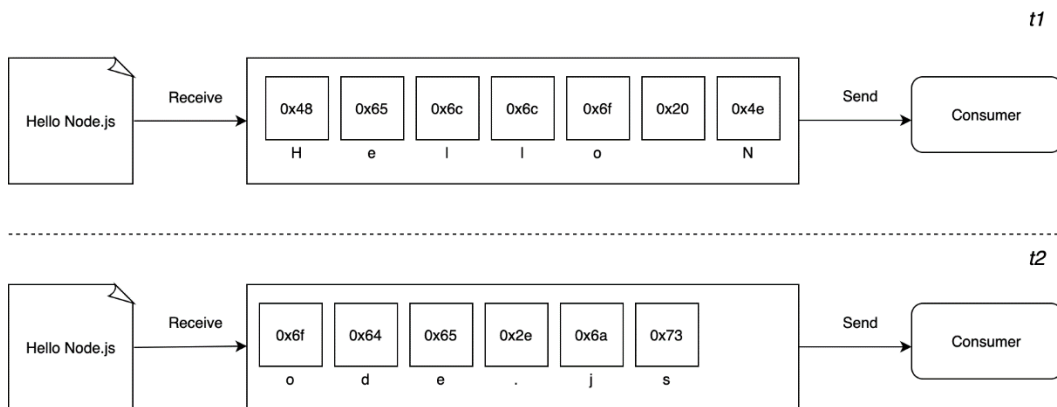


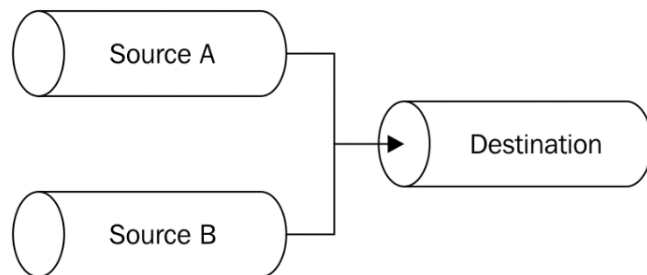
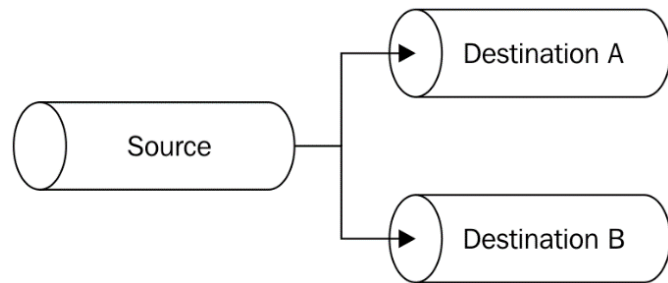
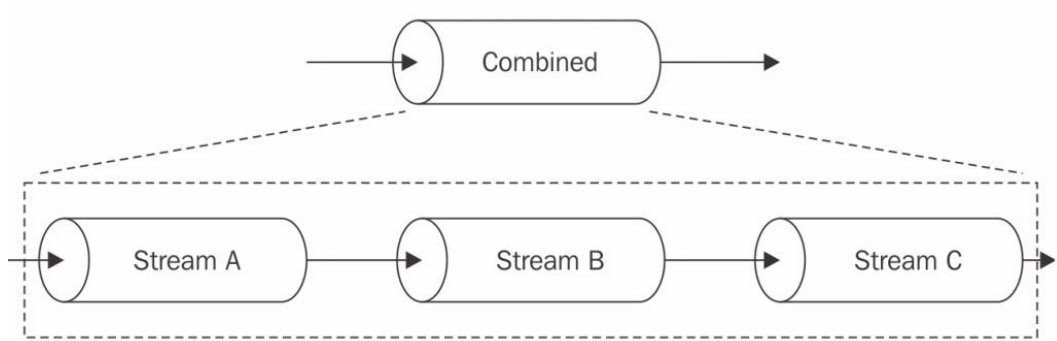
## Chapter 05: Asynchronous Control Flow Patterns with Promises and Async/Await

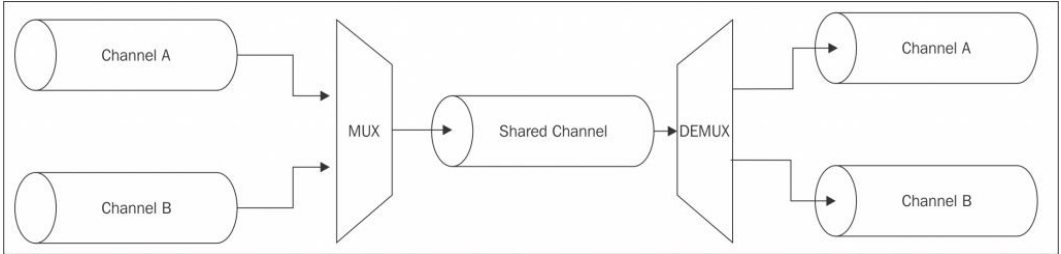


## Chapter 06: Coding with Streams

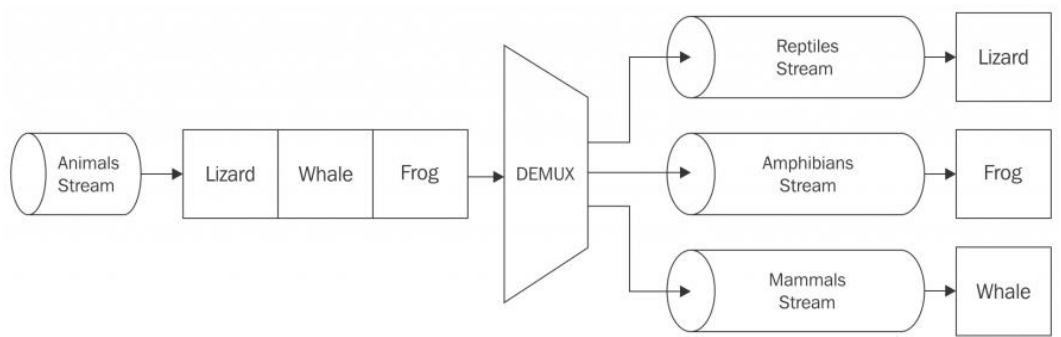




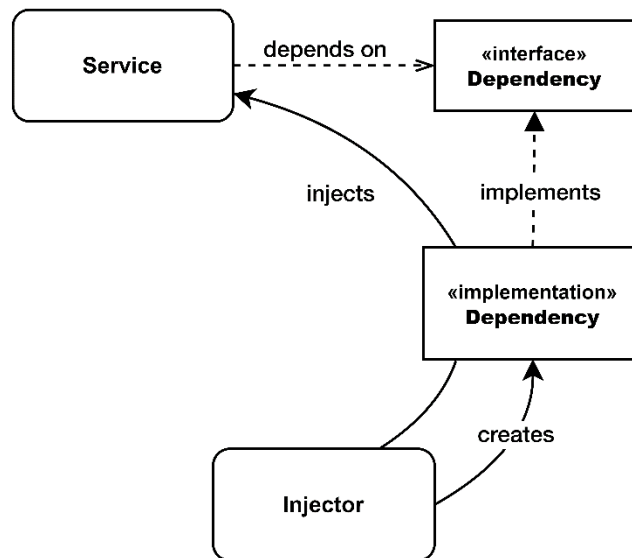
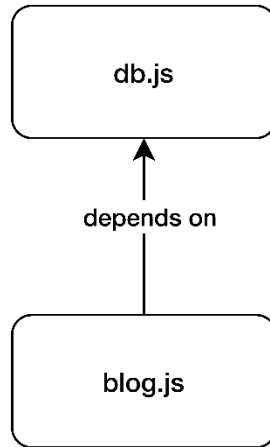




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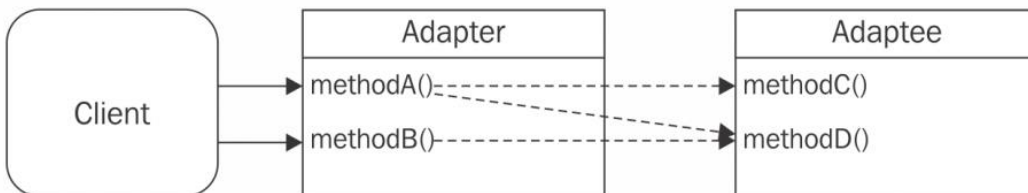
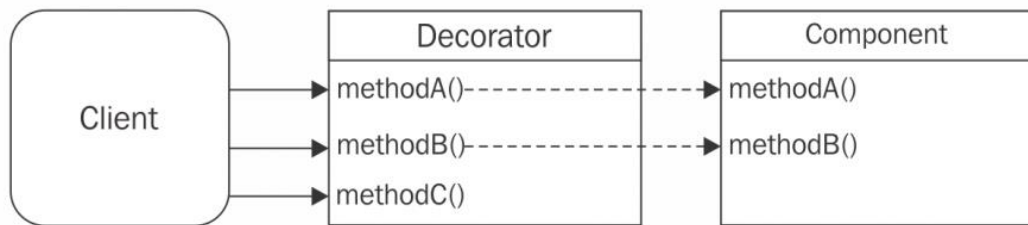
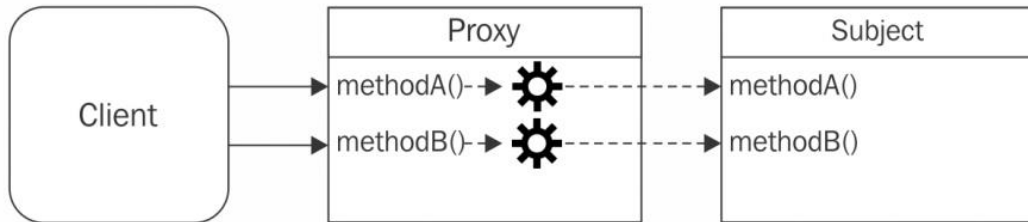


## Chapter 07: Creational Design Patterns

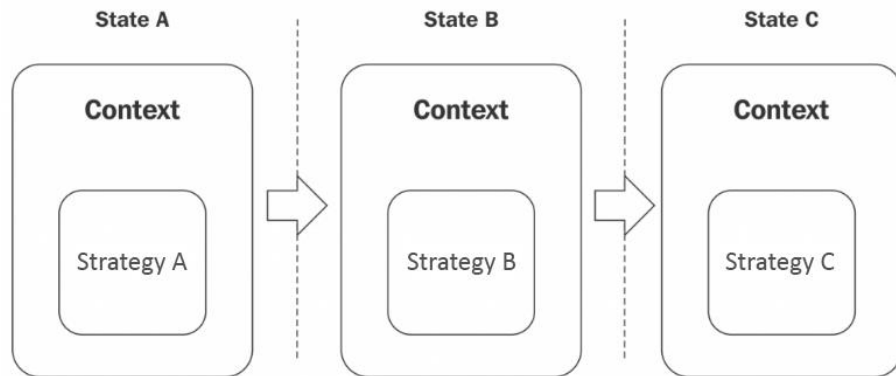
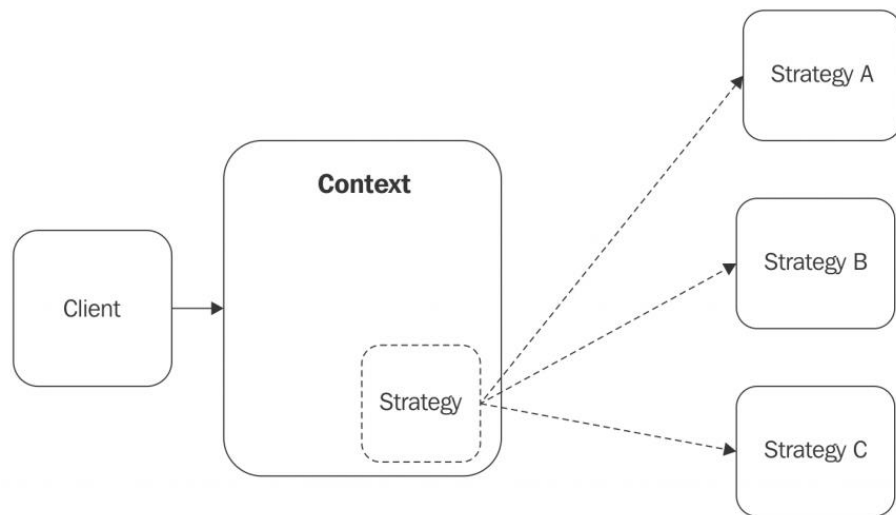


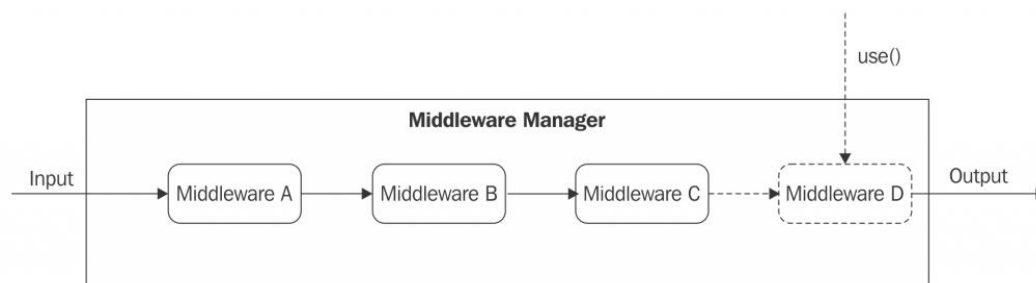
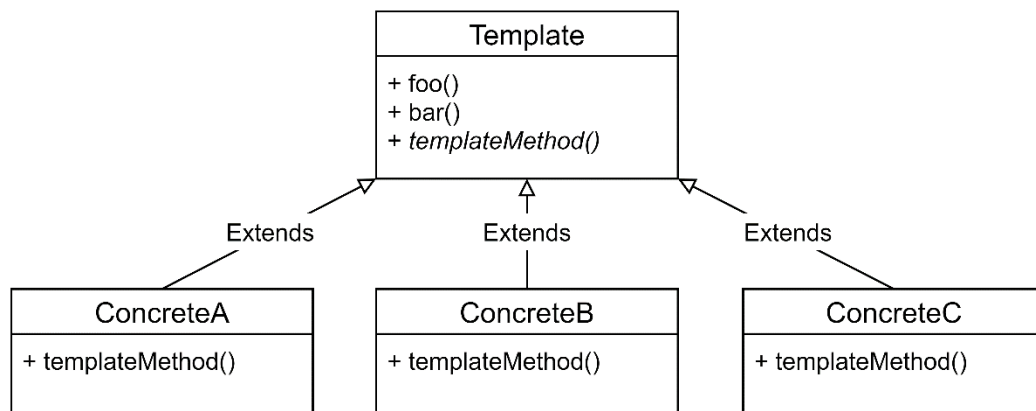
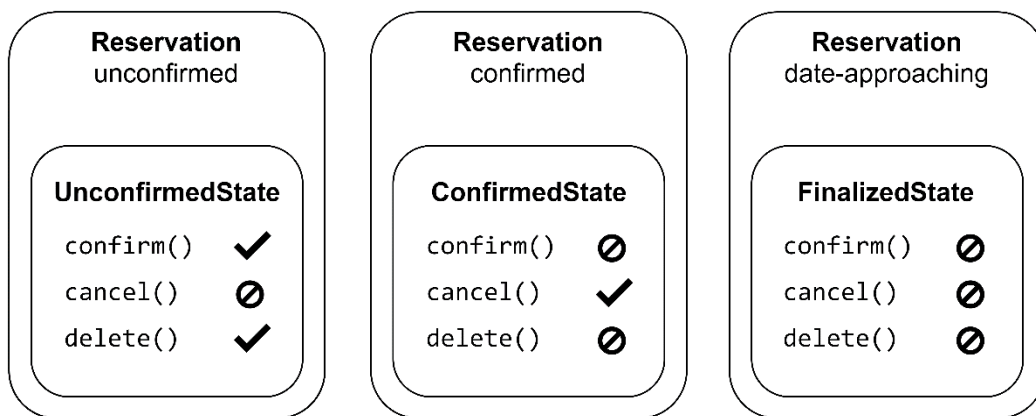


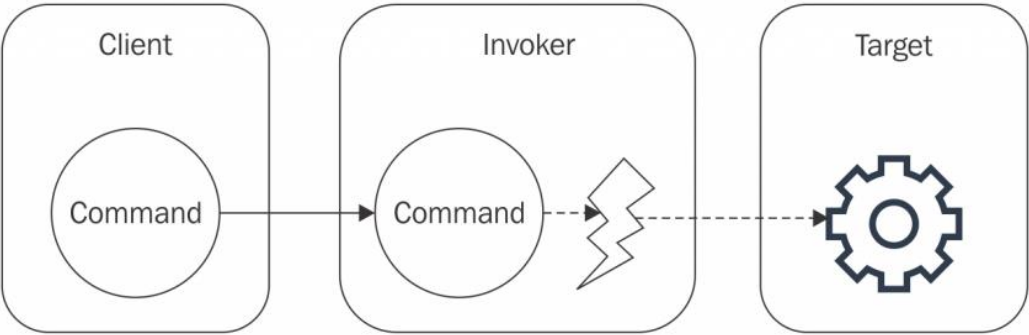
## Chapter 08: Structural Design Patterns



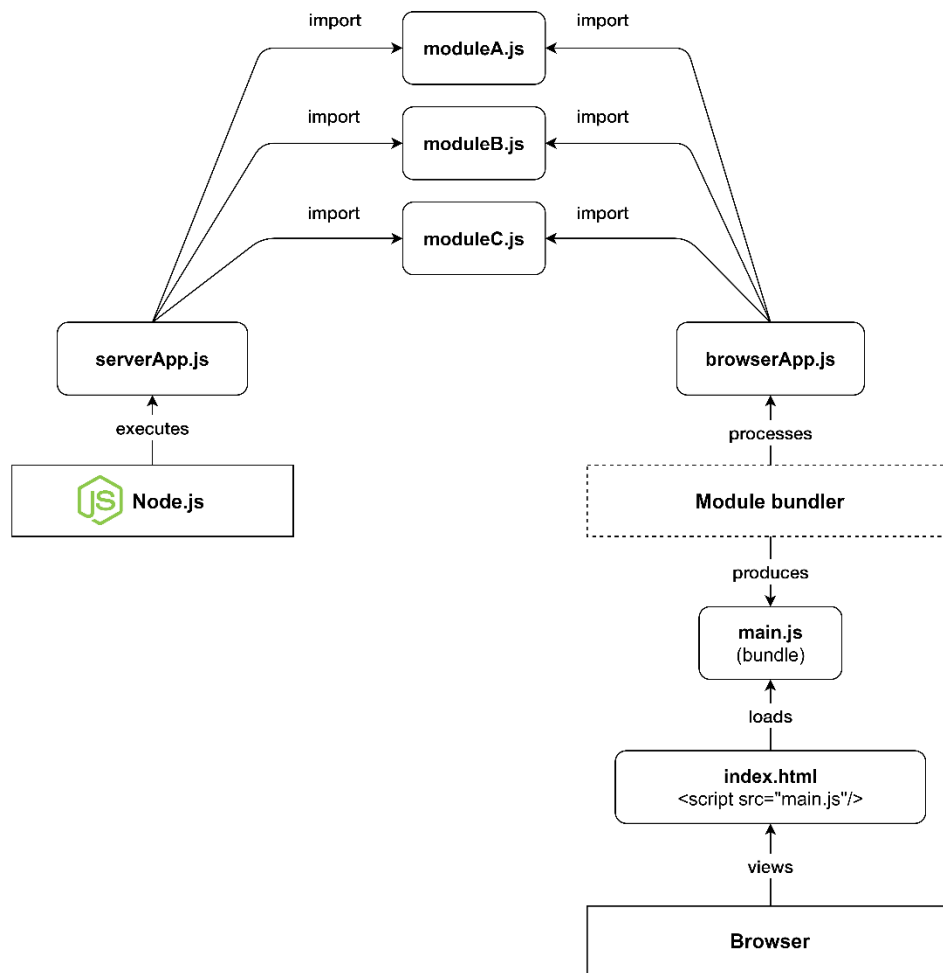
## Chapter 09: Behavioral Design Patterns

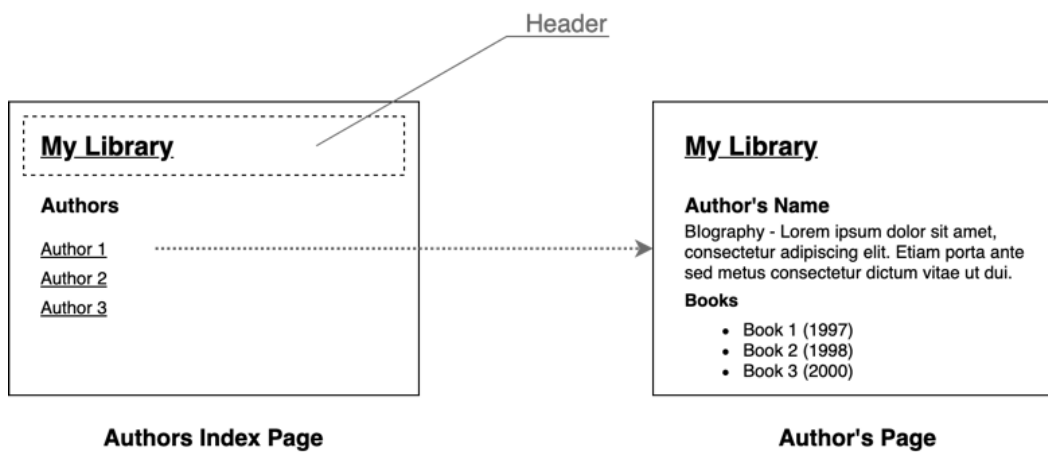
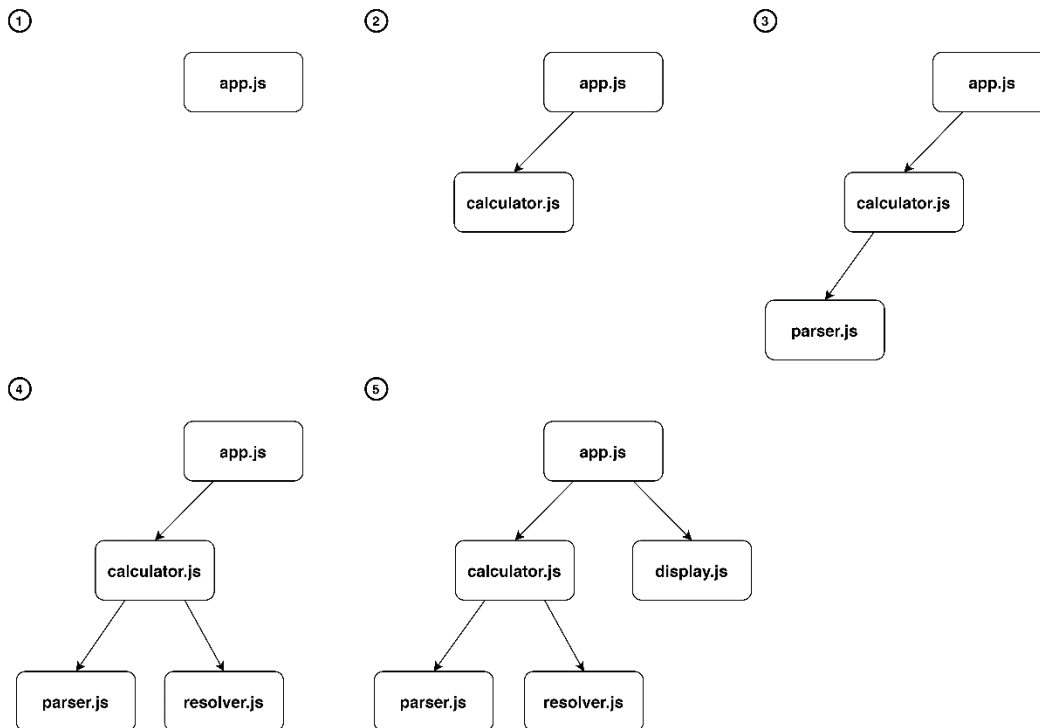


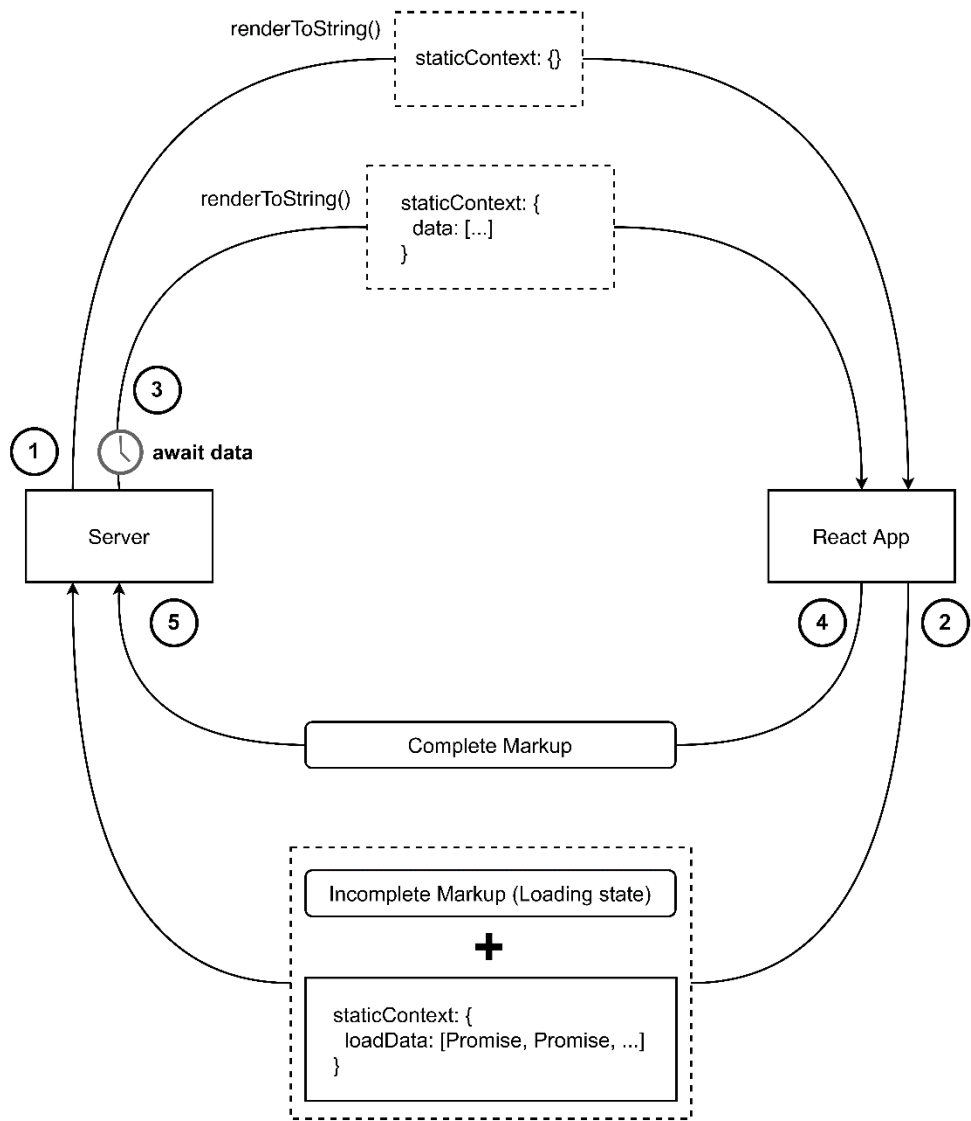


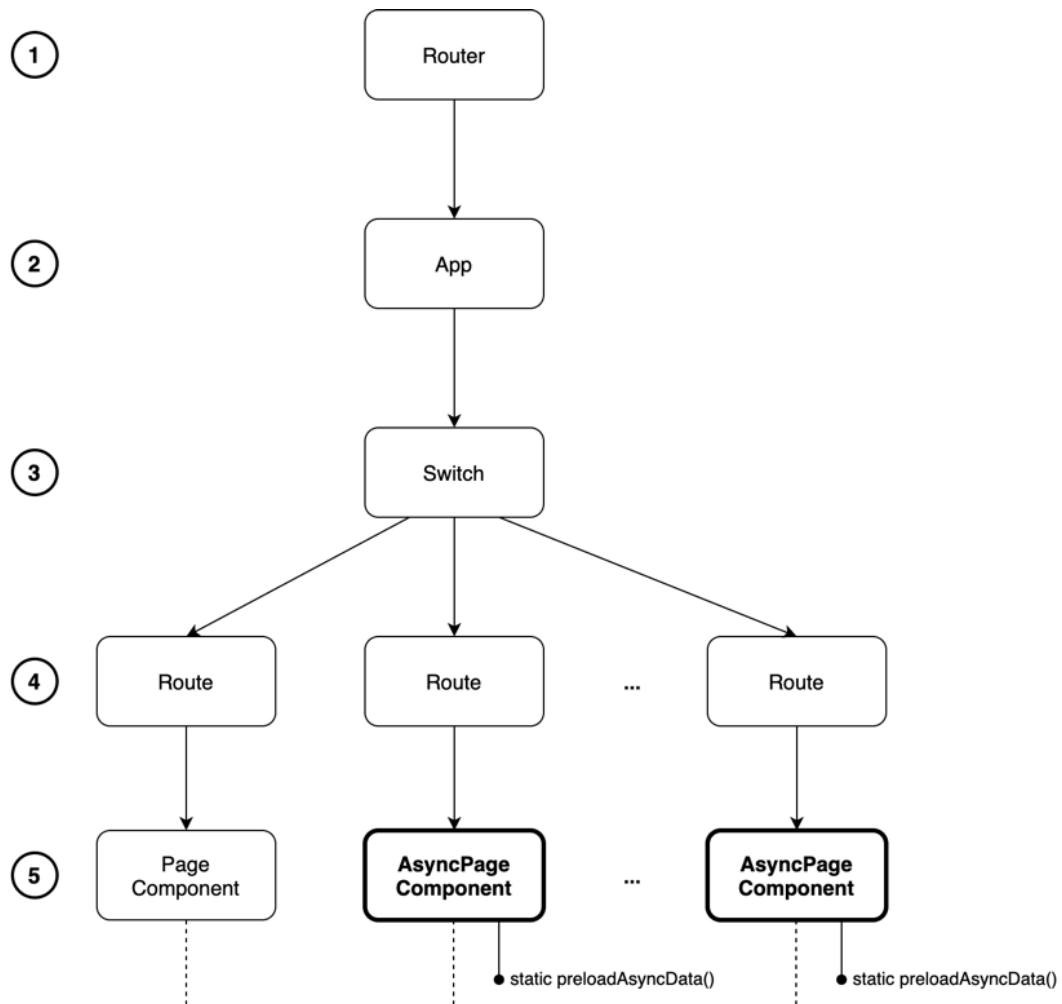


## Chapter 10: Universal JavaScript for Web Applications



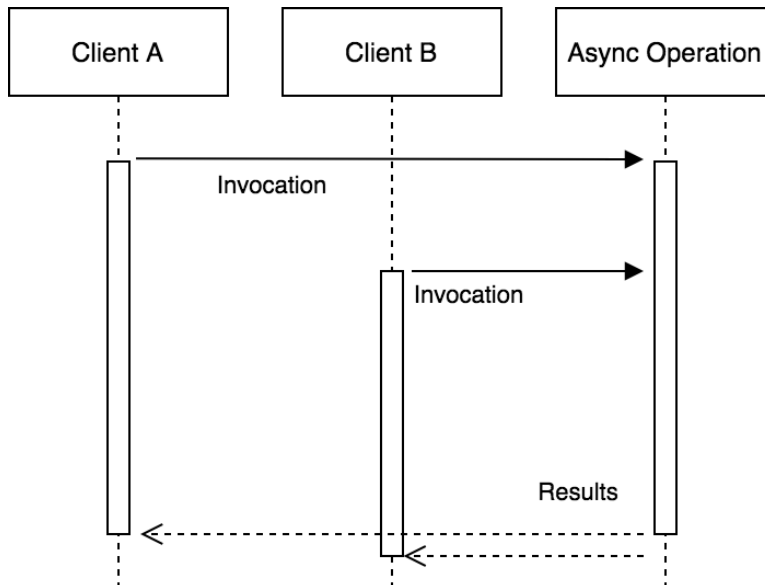
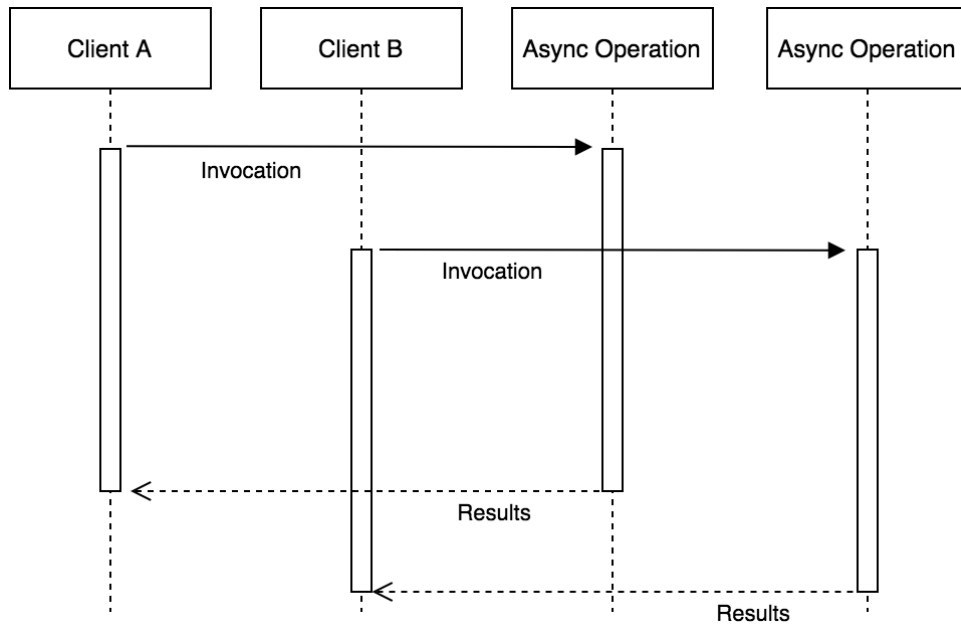


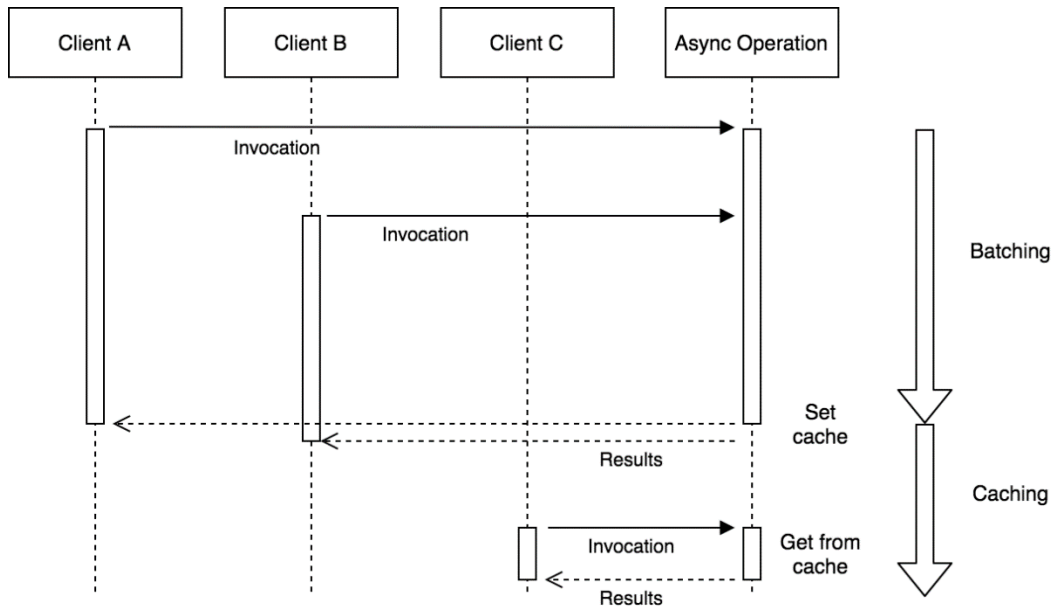




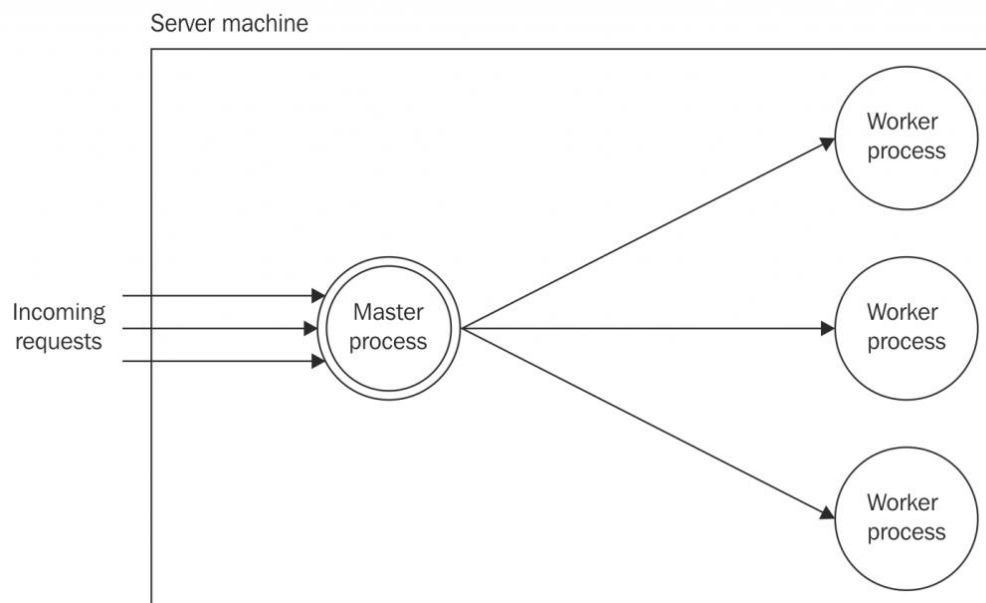
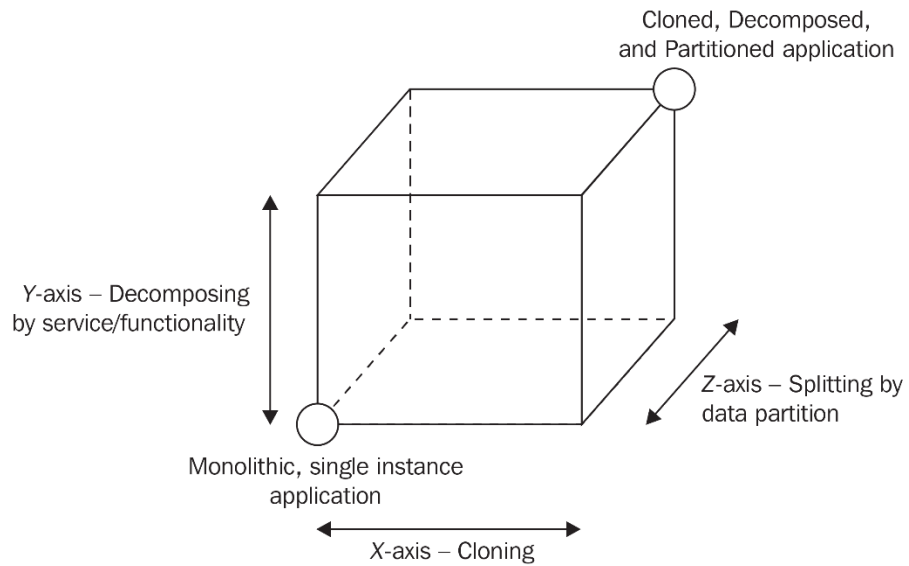


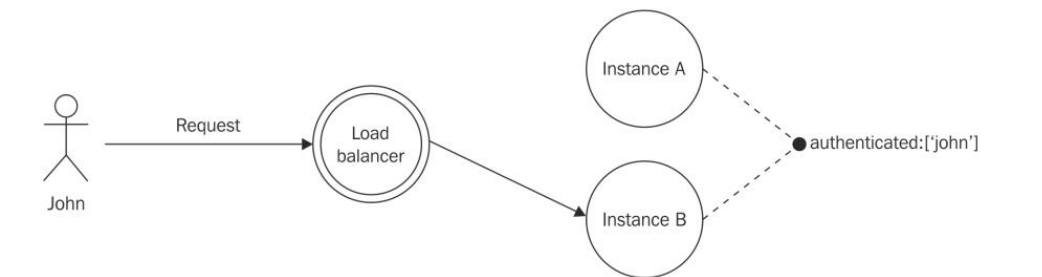
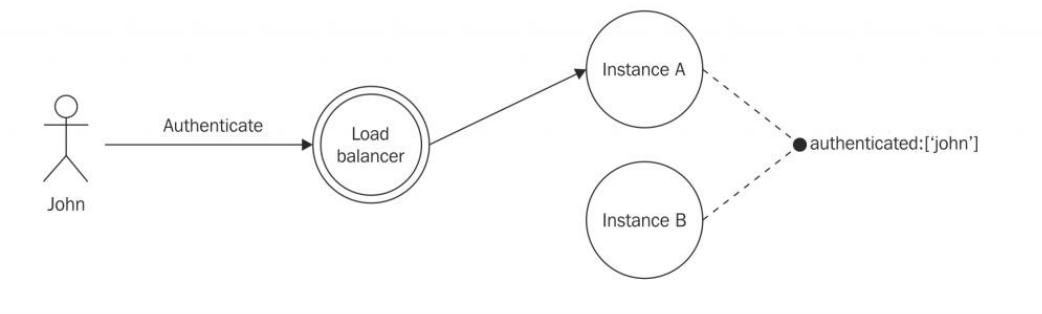
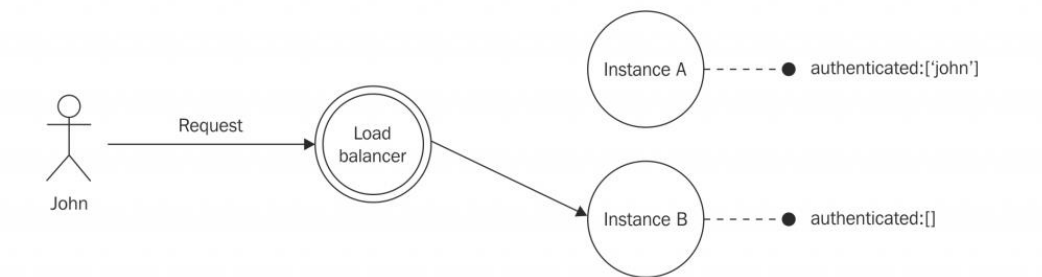
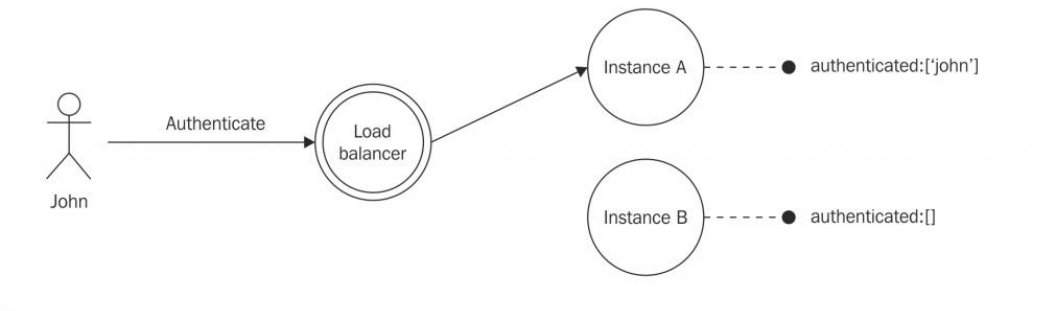
## Chapter 11: Advanced Recipes

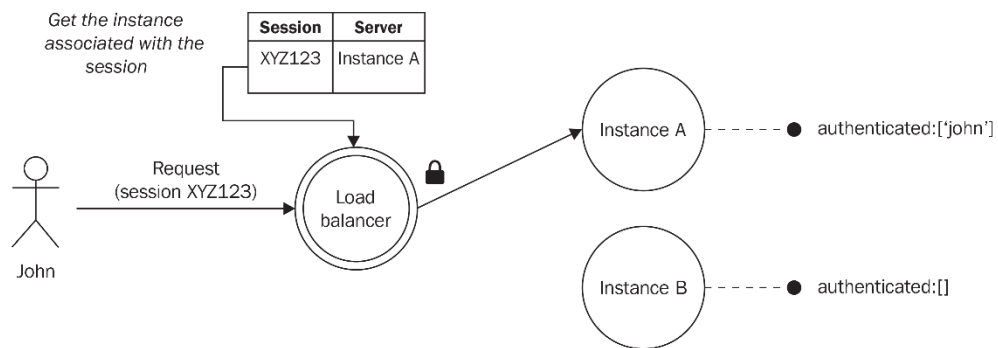
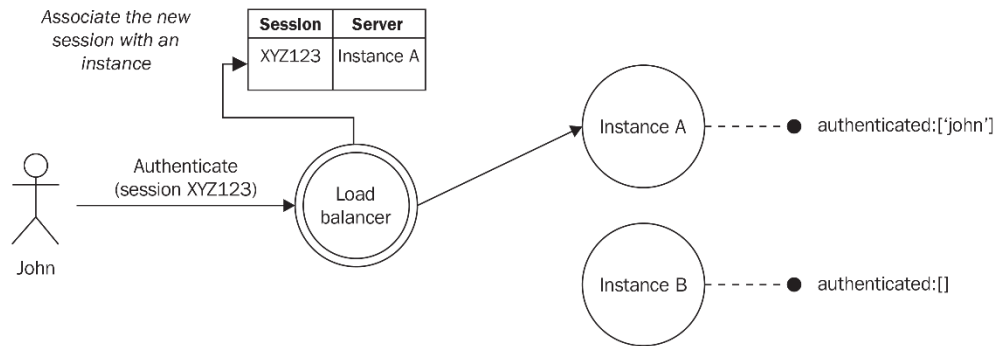


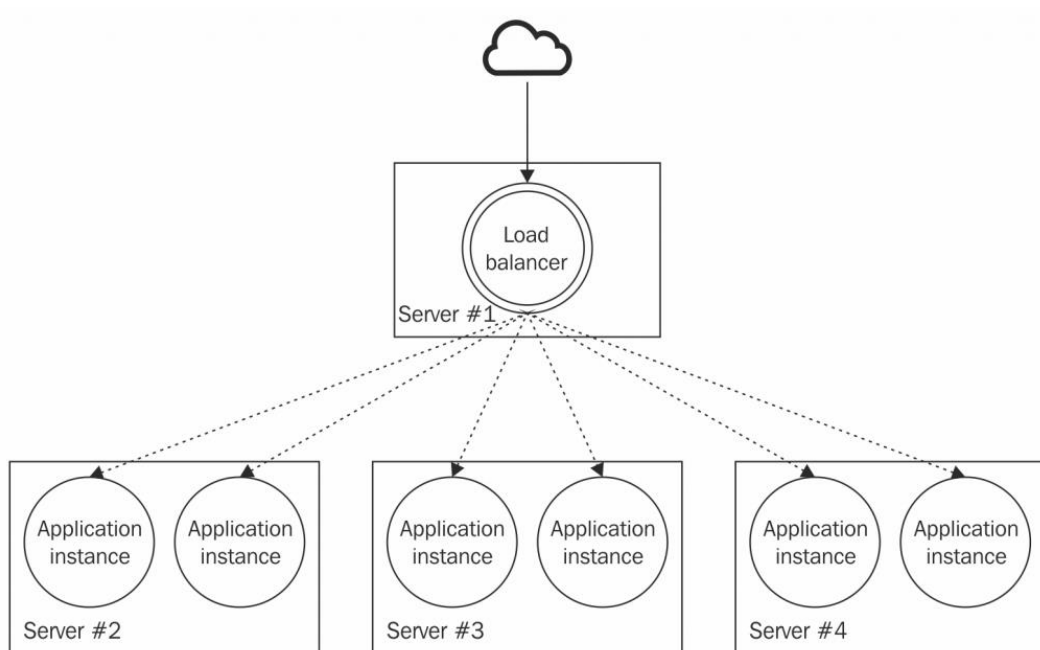


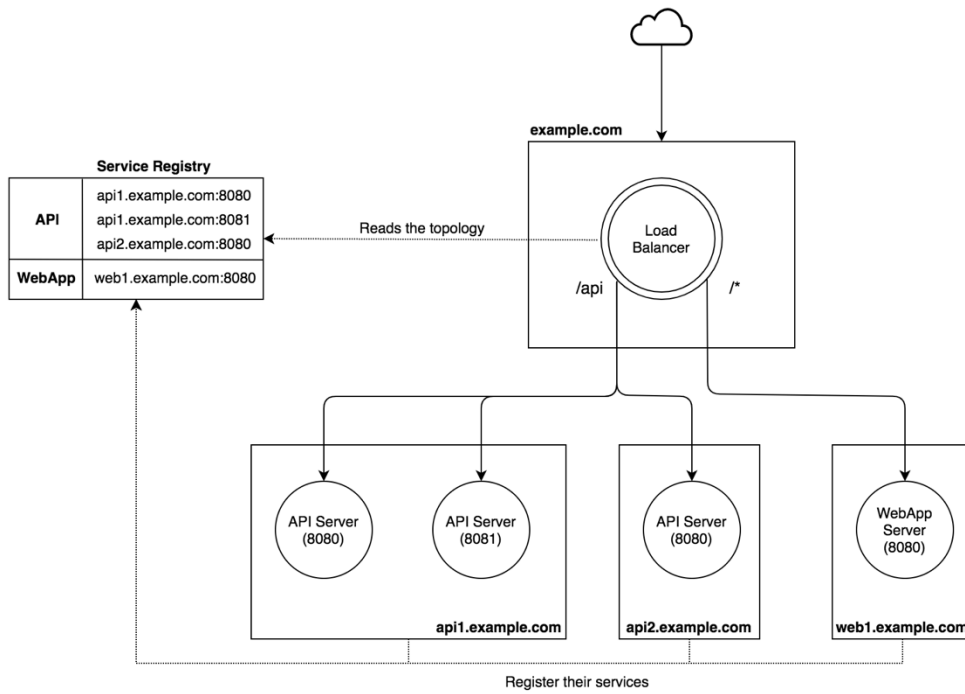
## Chapter 12: Scalability and Architectural Patterns



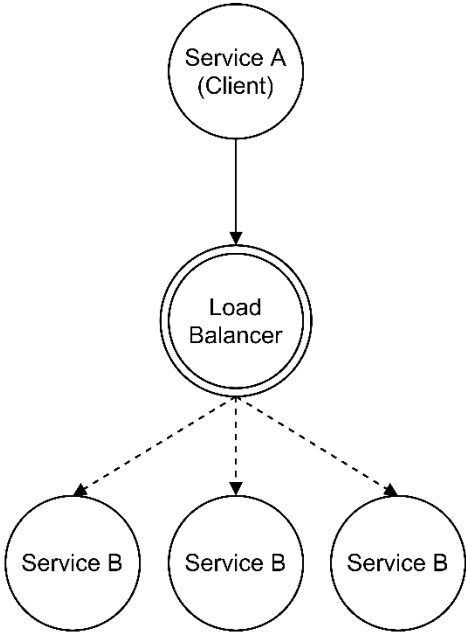




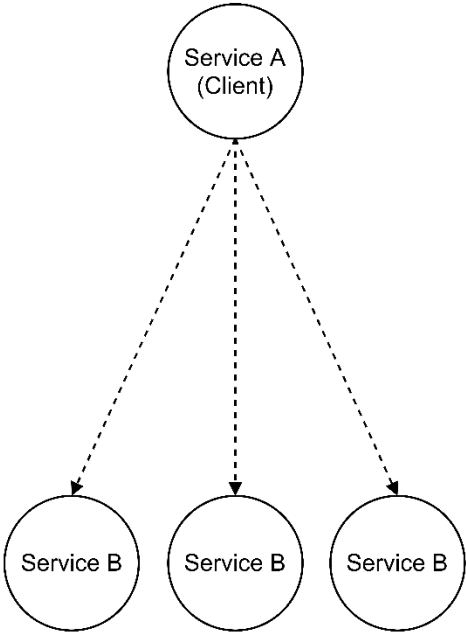




Centralized load balancing

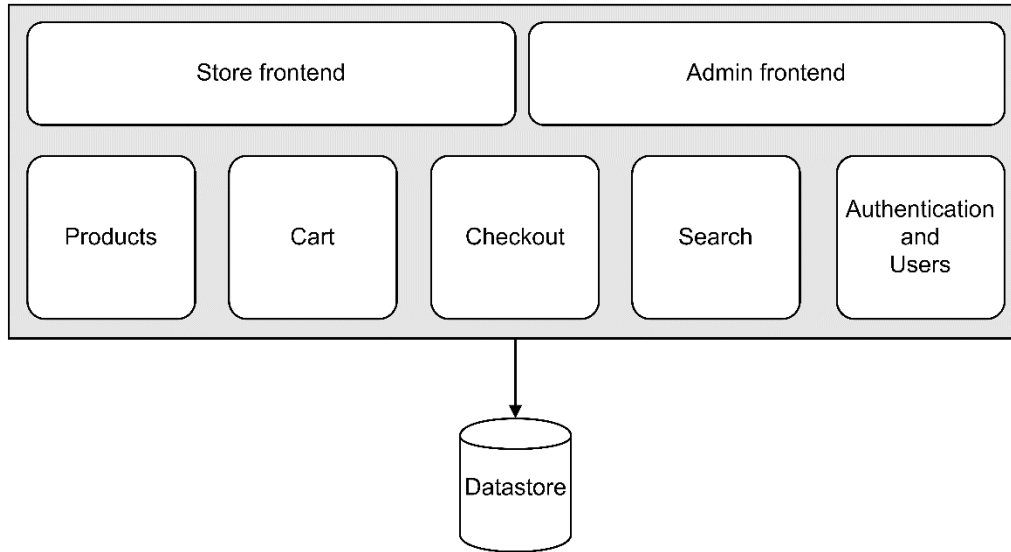


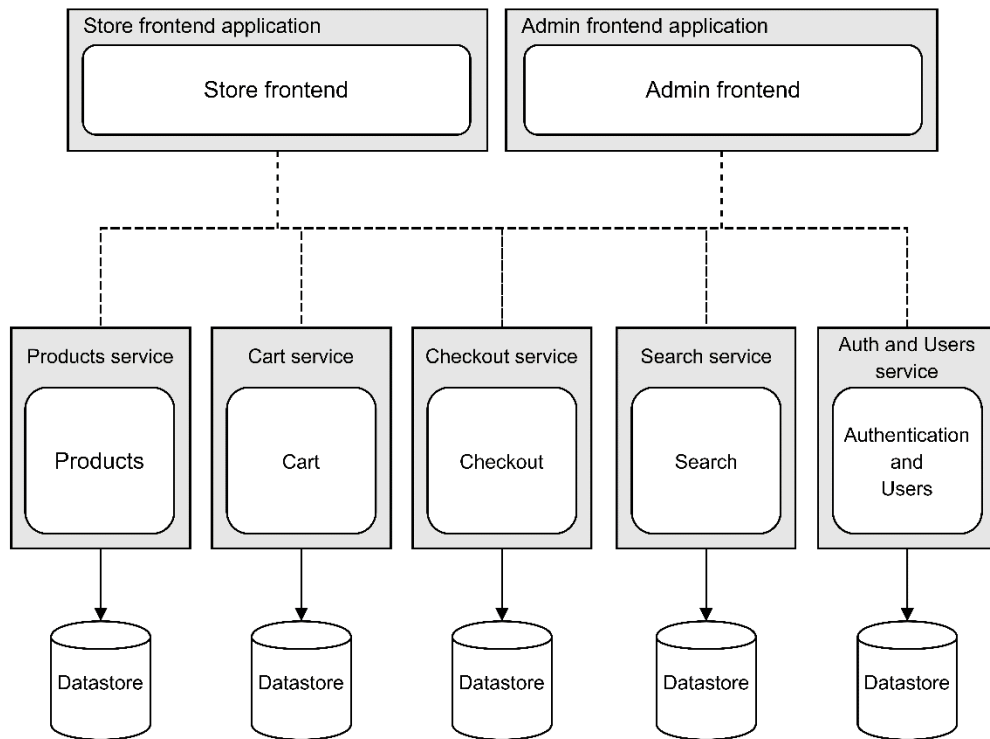
Peer-to-peer load balancing

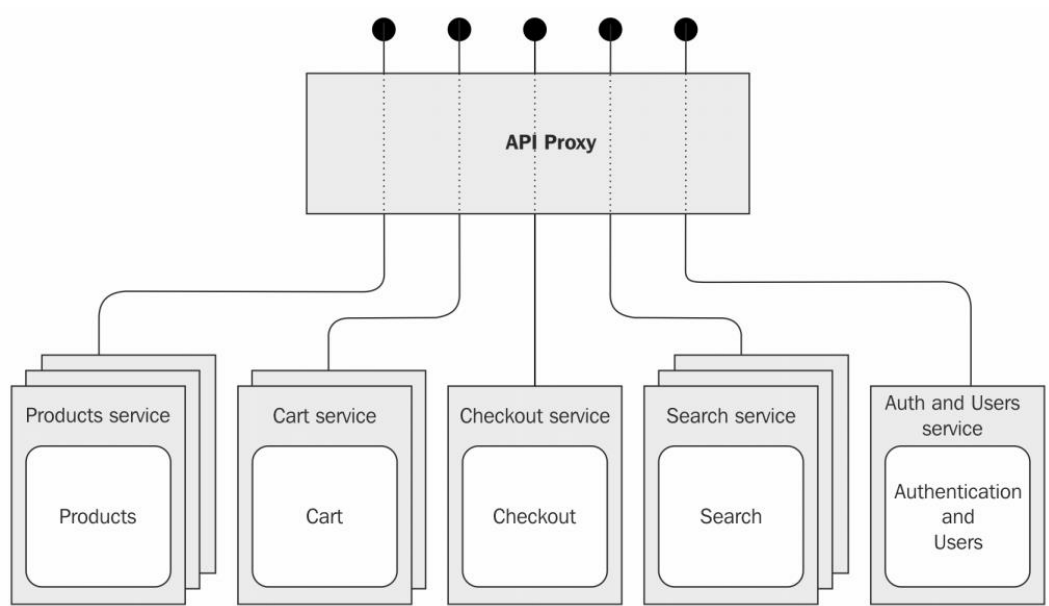


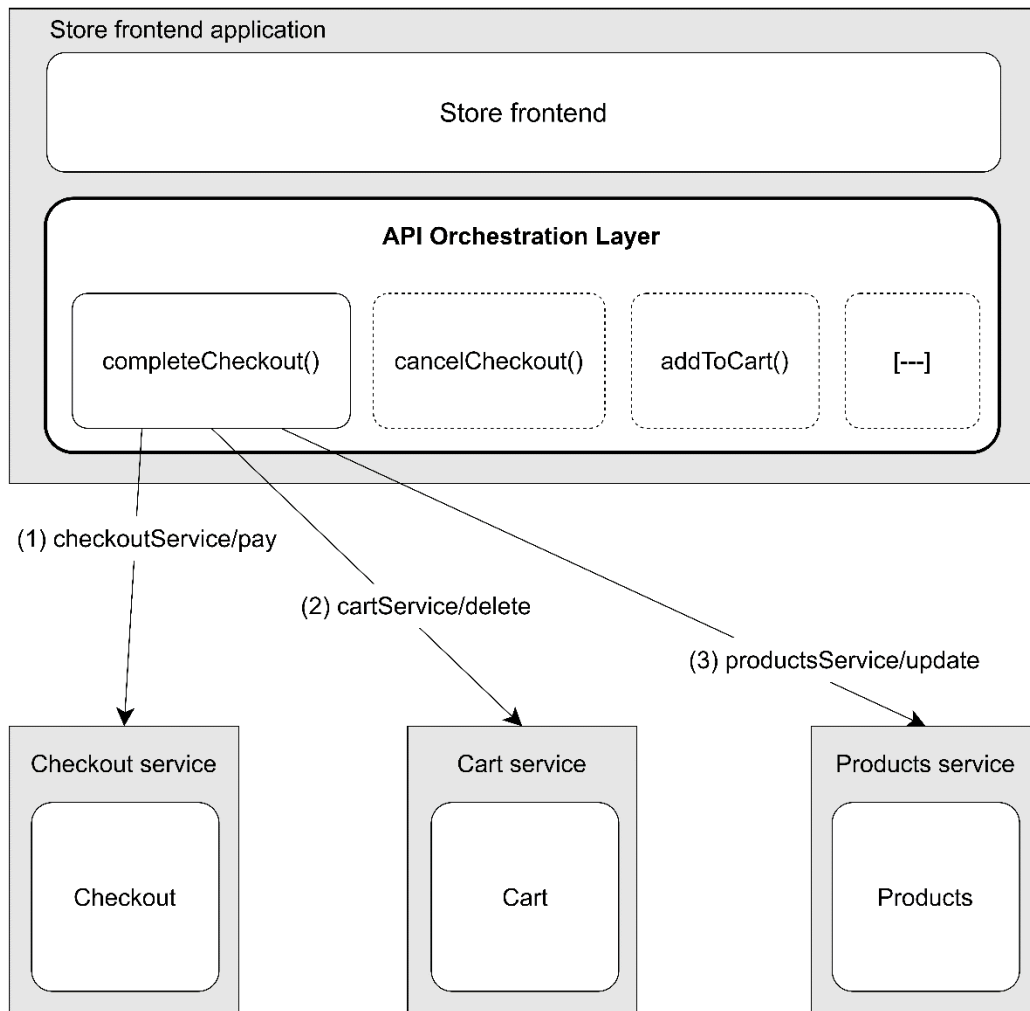


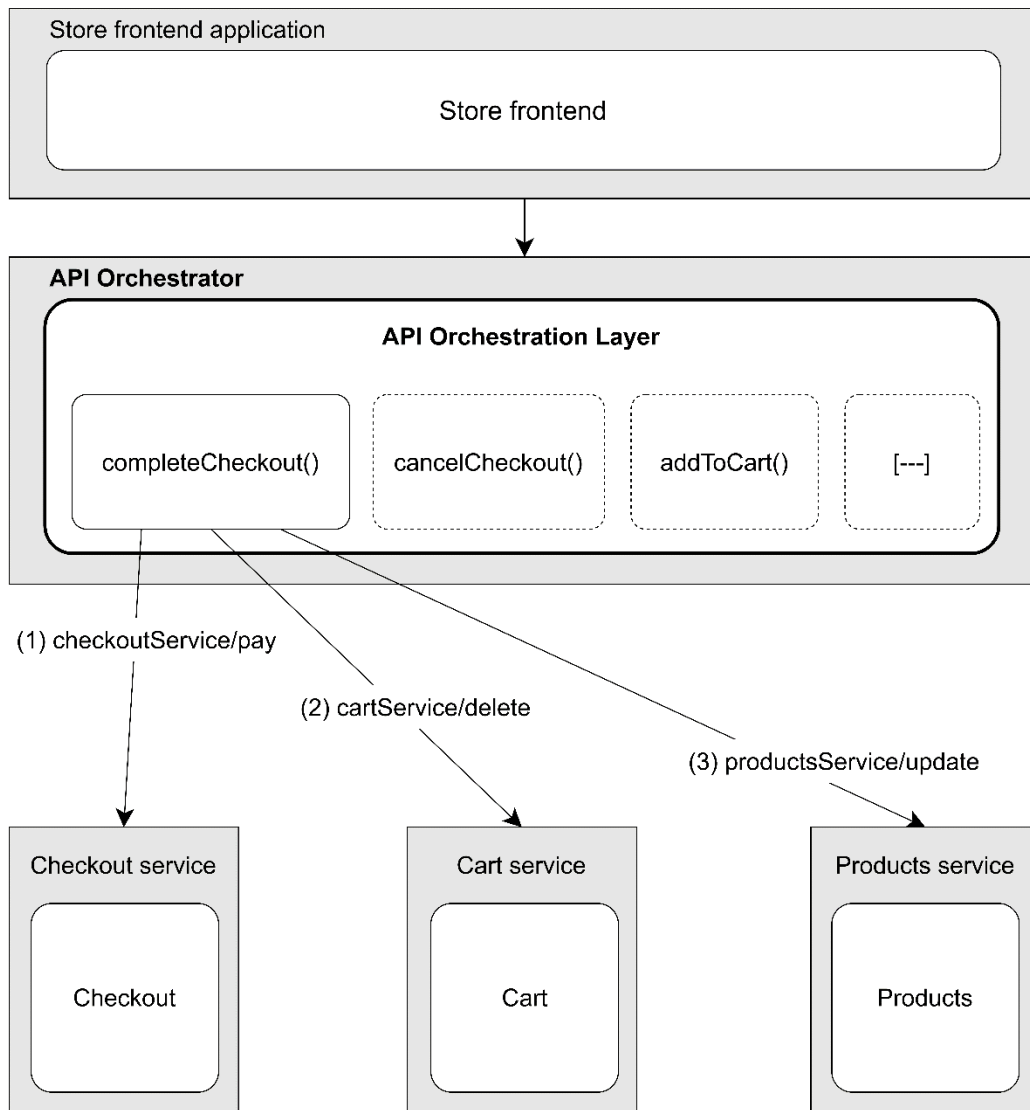
### E-commerce application

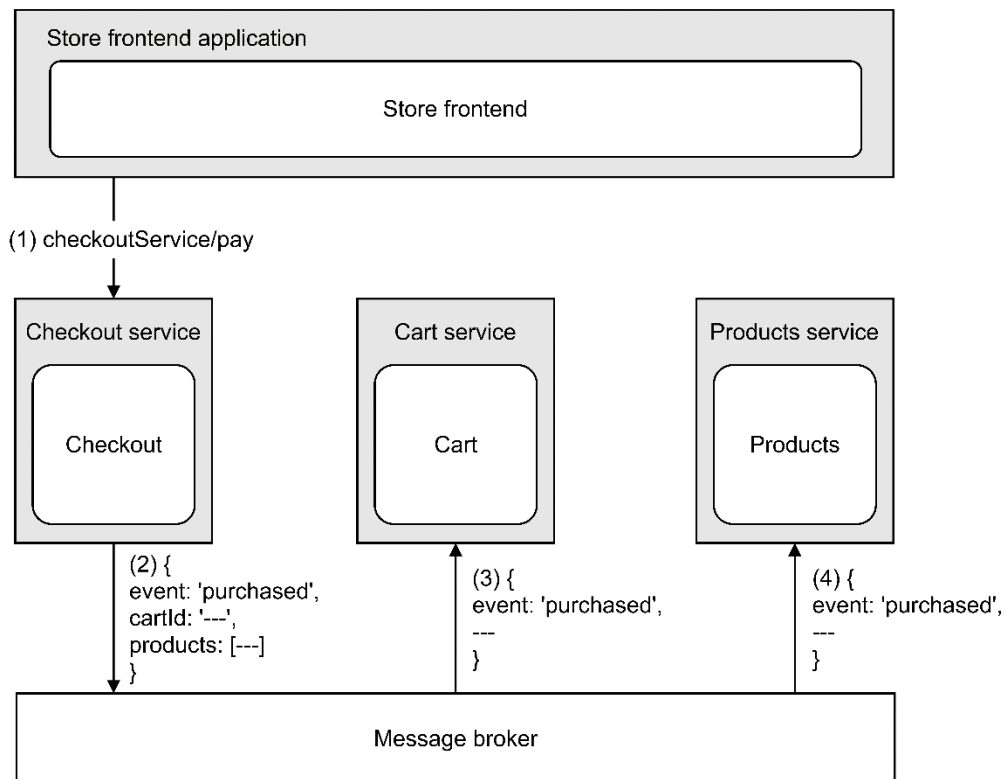




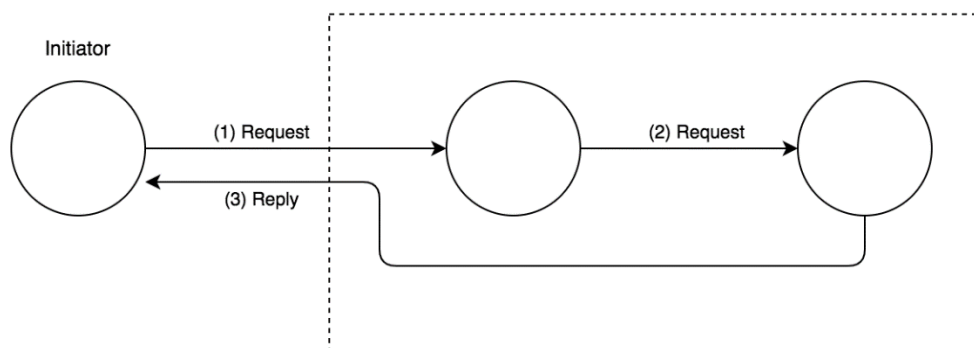
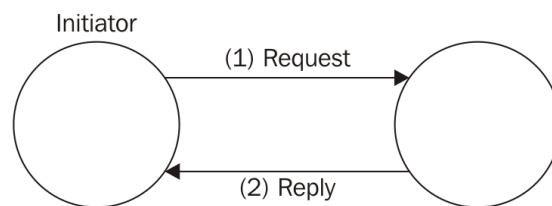
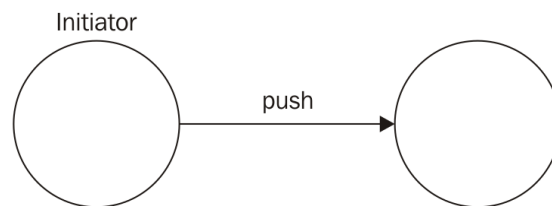


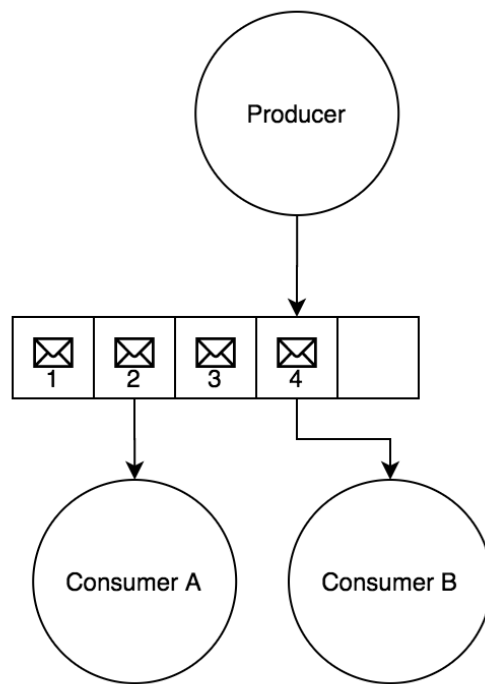
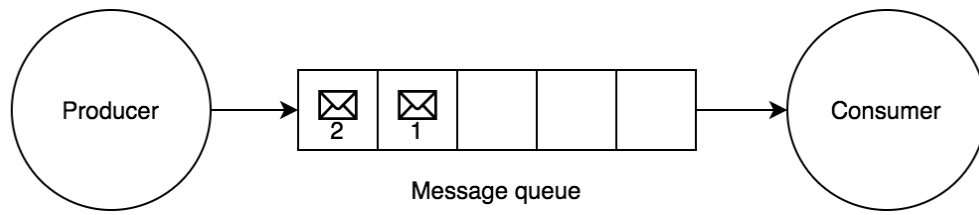






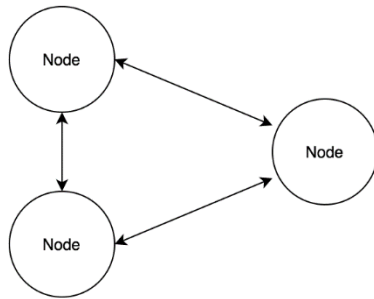
## Chapter 13: Messaging and Integration Patterns



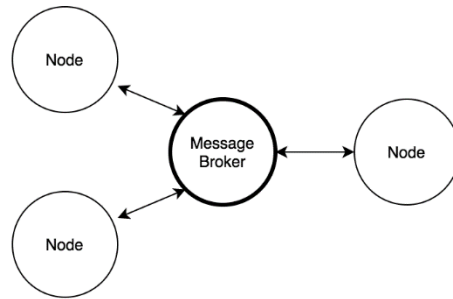




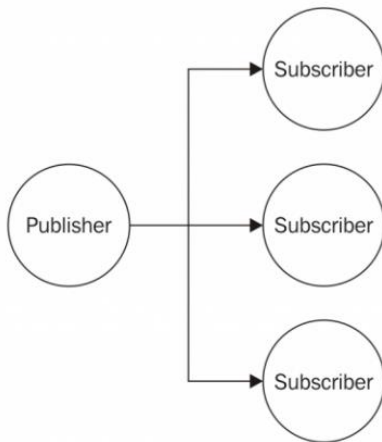
**Peer-to-peer**



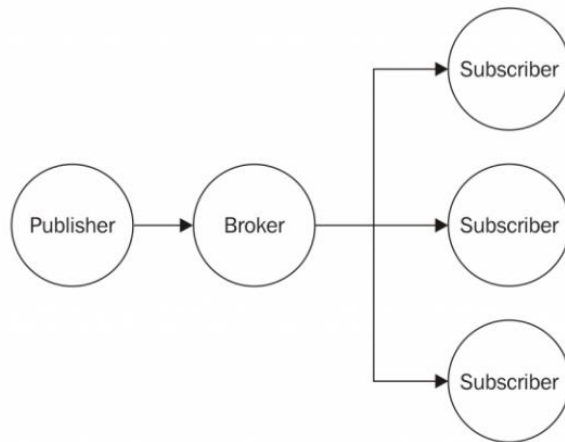
**With a message broker**

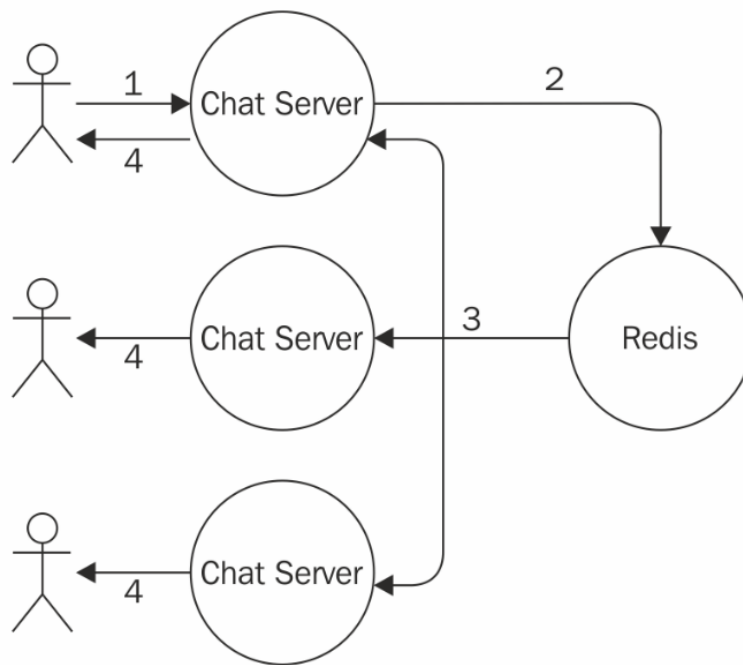
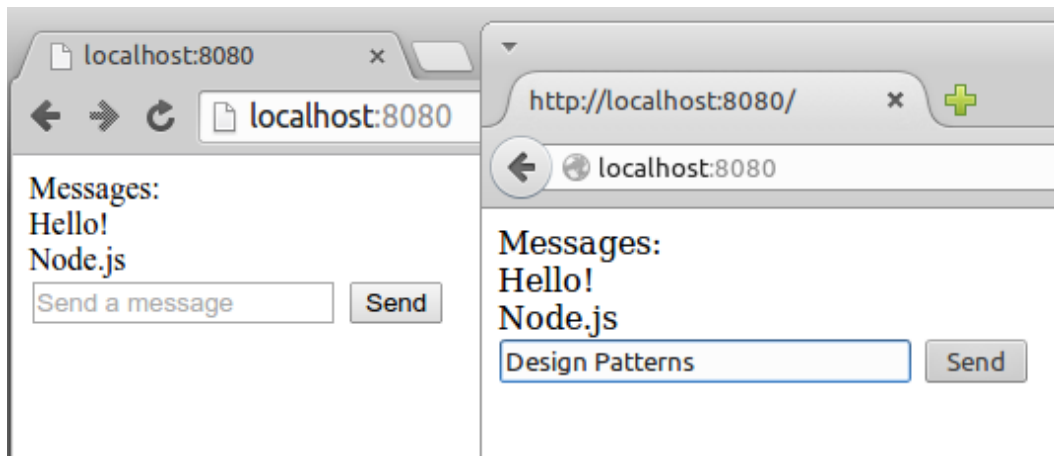


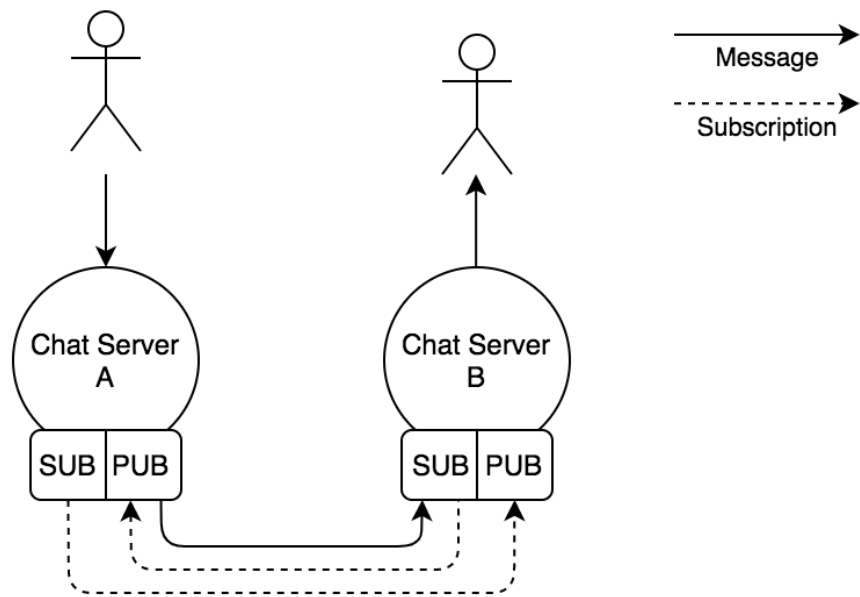
**Peer-to-peer Pub/Sub**



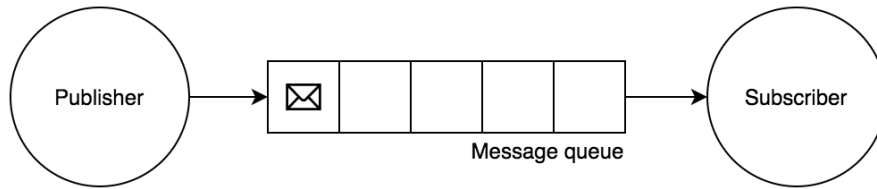
**Pub/Sub with a broker**



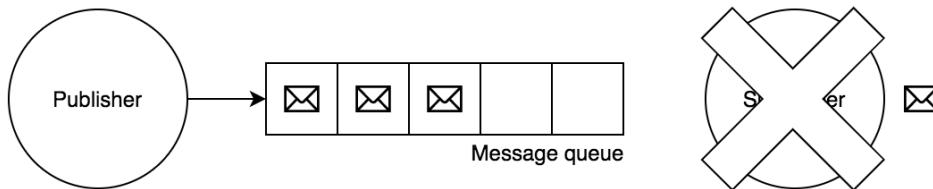




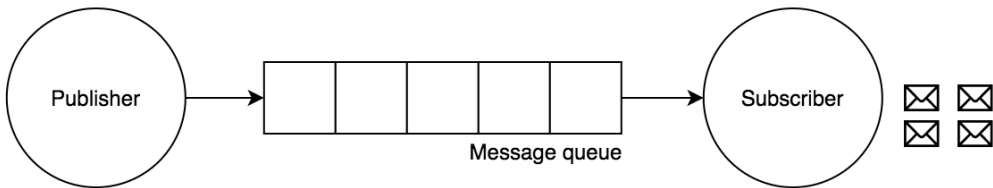
① Normal operations

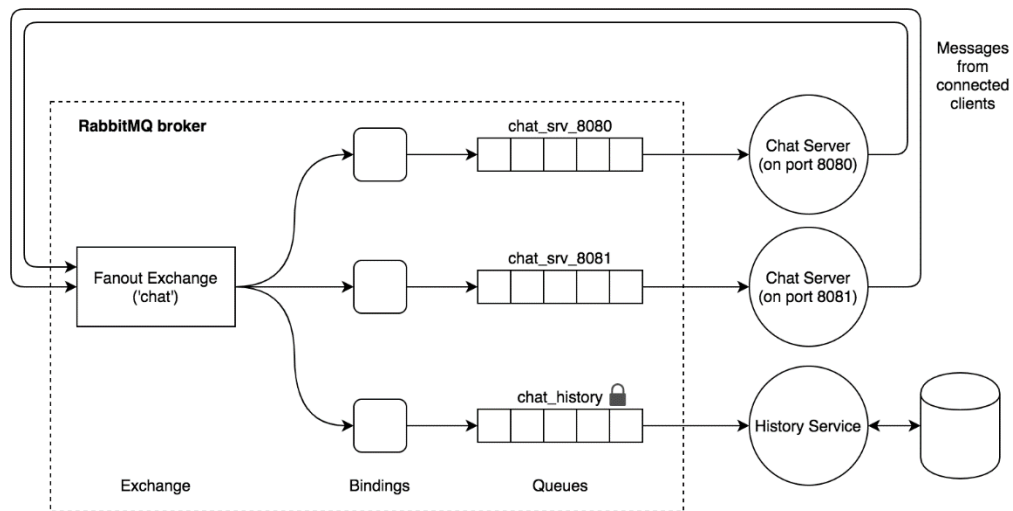
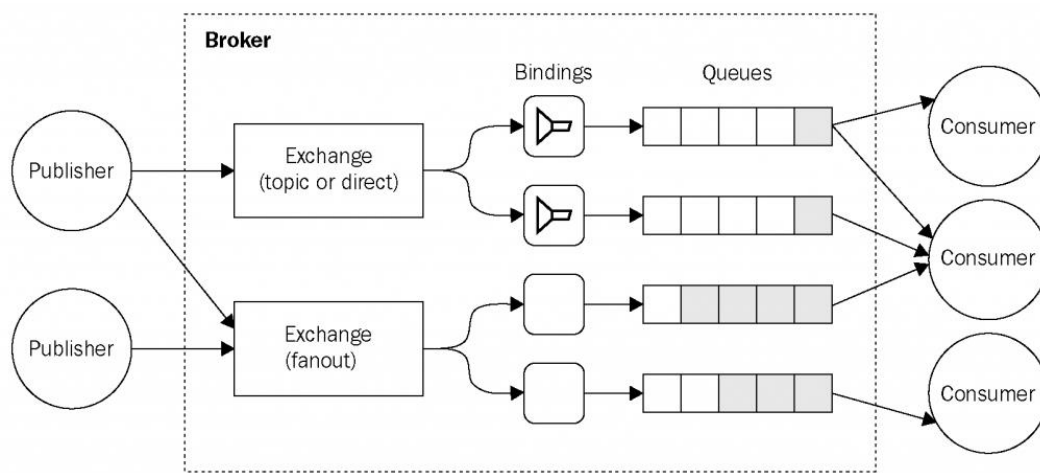


② Subscriber not available

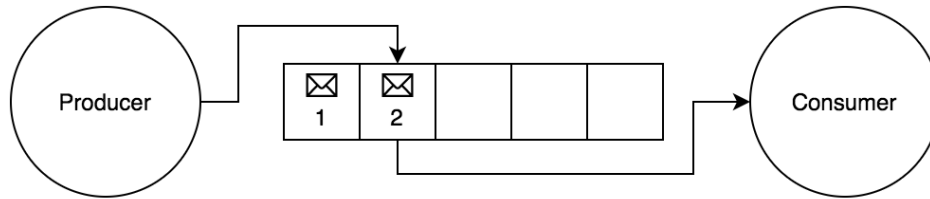


③ Subscriber reconnects

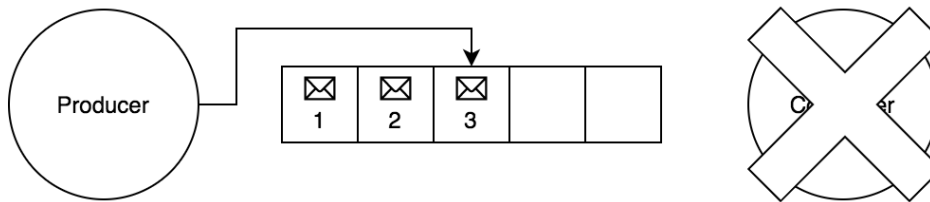




① Normal operations



② Consumer not available



③ Consumer back online

