System Integration Project Presentation

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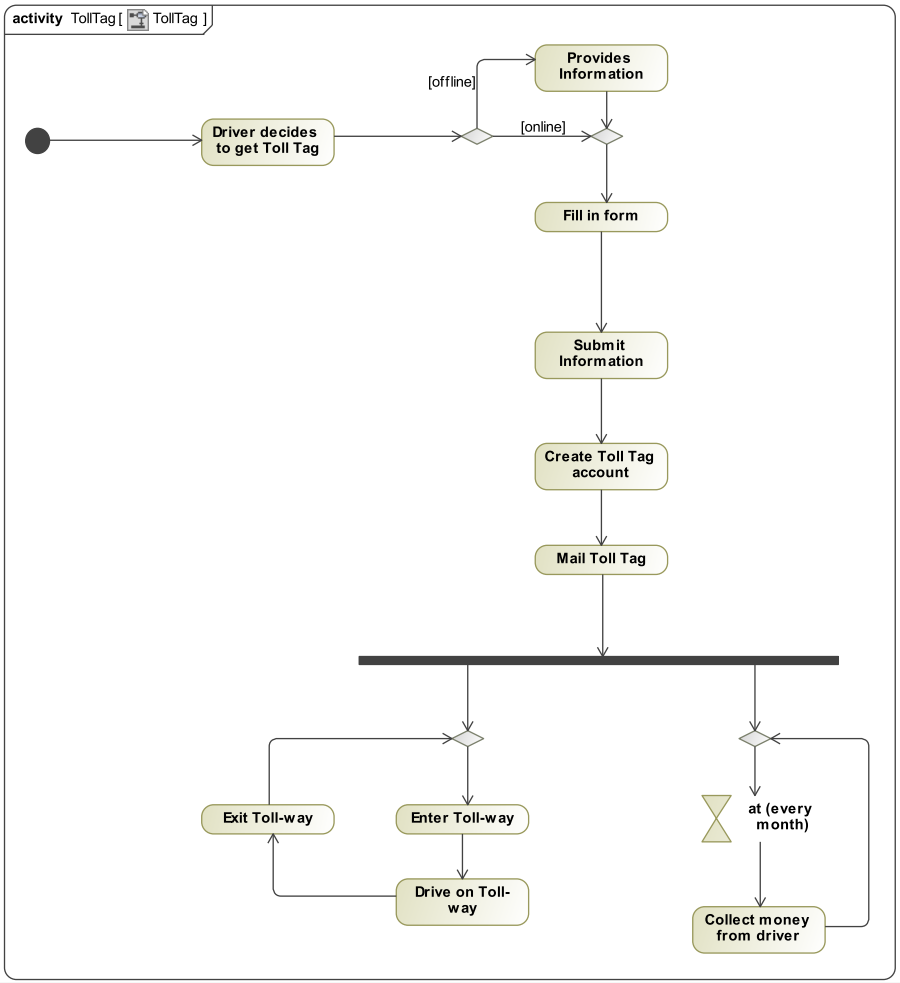
Outline

1. Introduction
2. Overall Design
3. Detailed Design
4. Behavior Design
5. Validation

DTU

Business processes

Toll tag example:



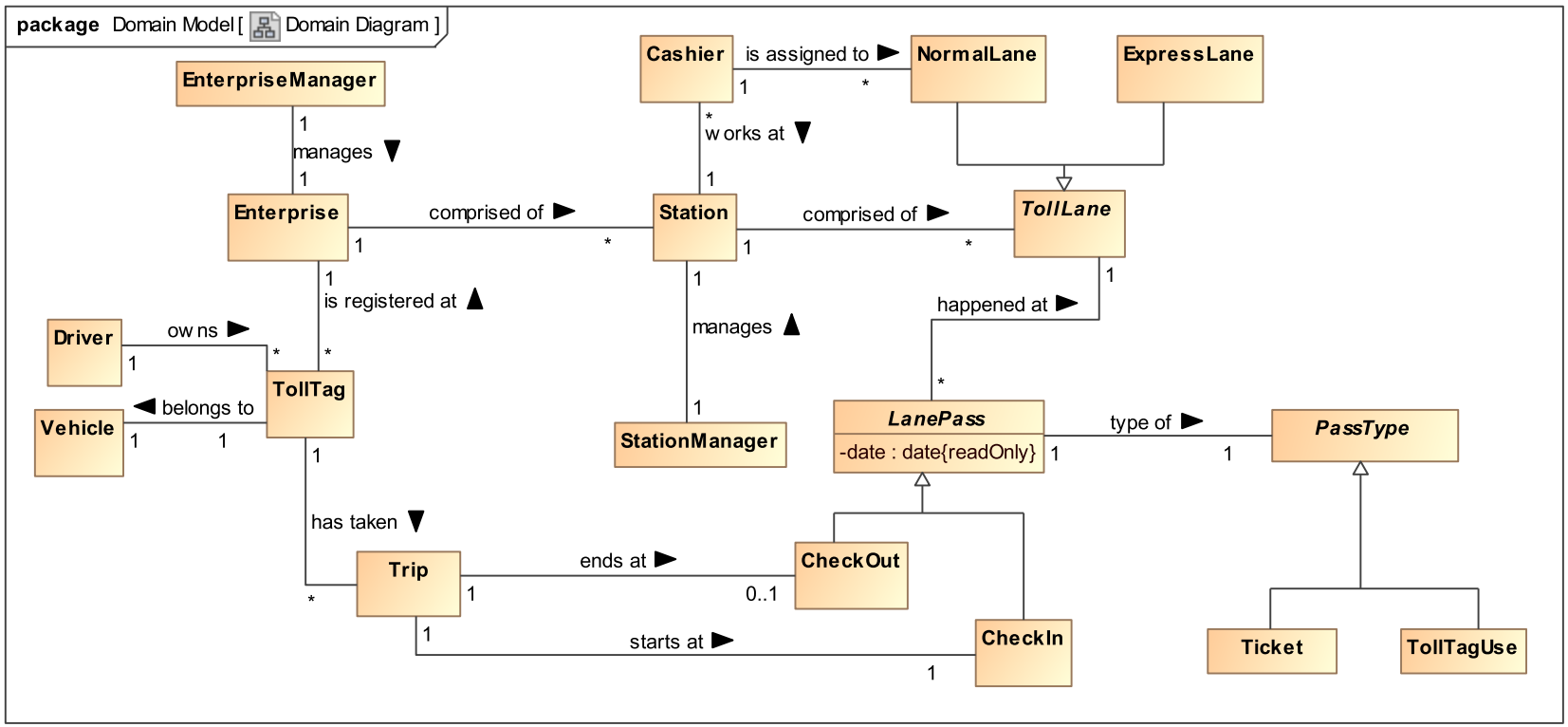
Priority of use cases

- Ticket check-in
- Ticket check-out
- Toll tag check-in
- Toll tag check-out
- Generate reports

Use cases

toll tag - check-in/check-out

Domain model



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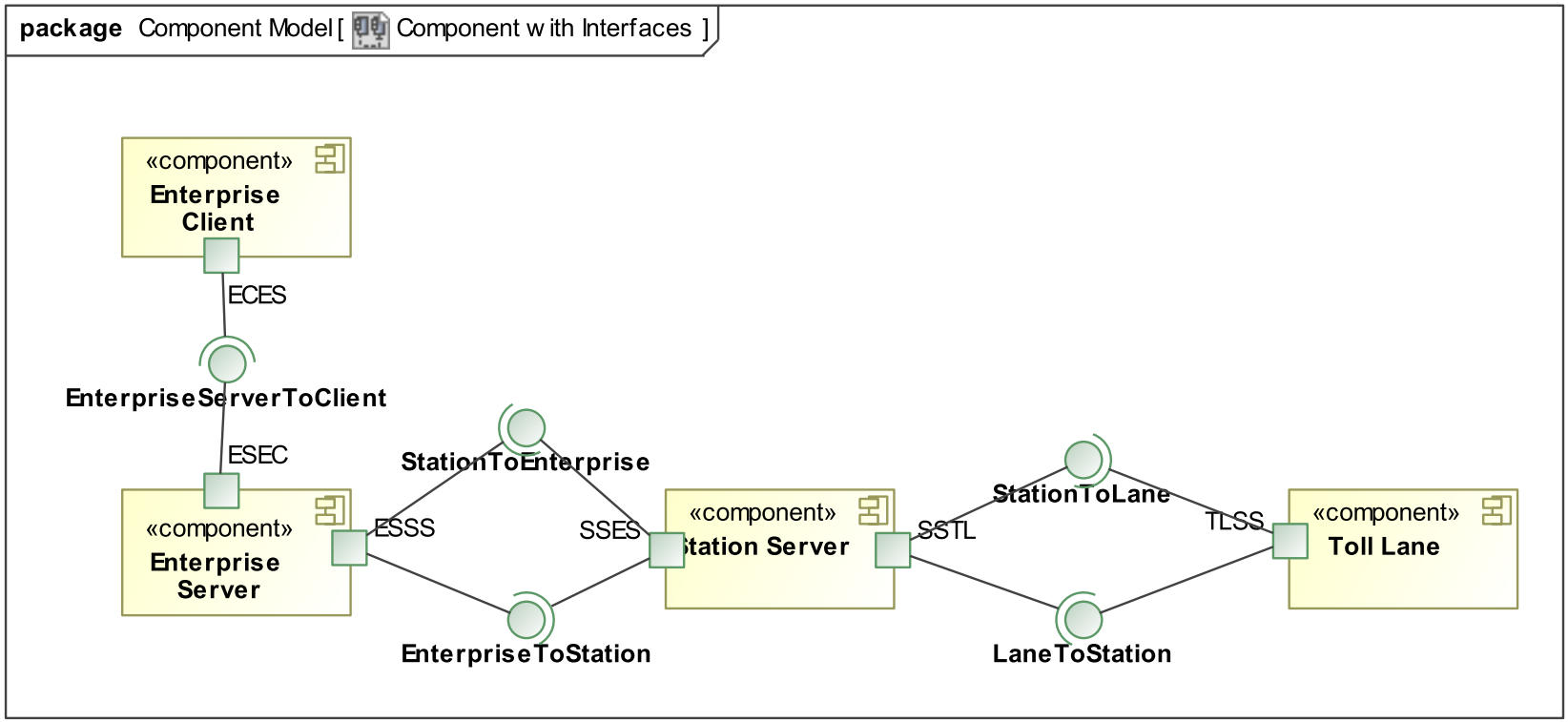
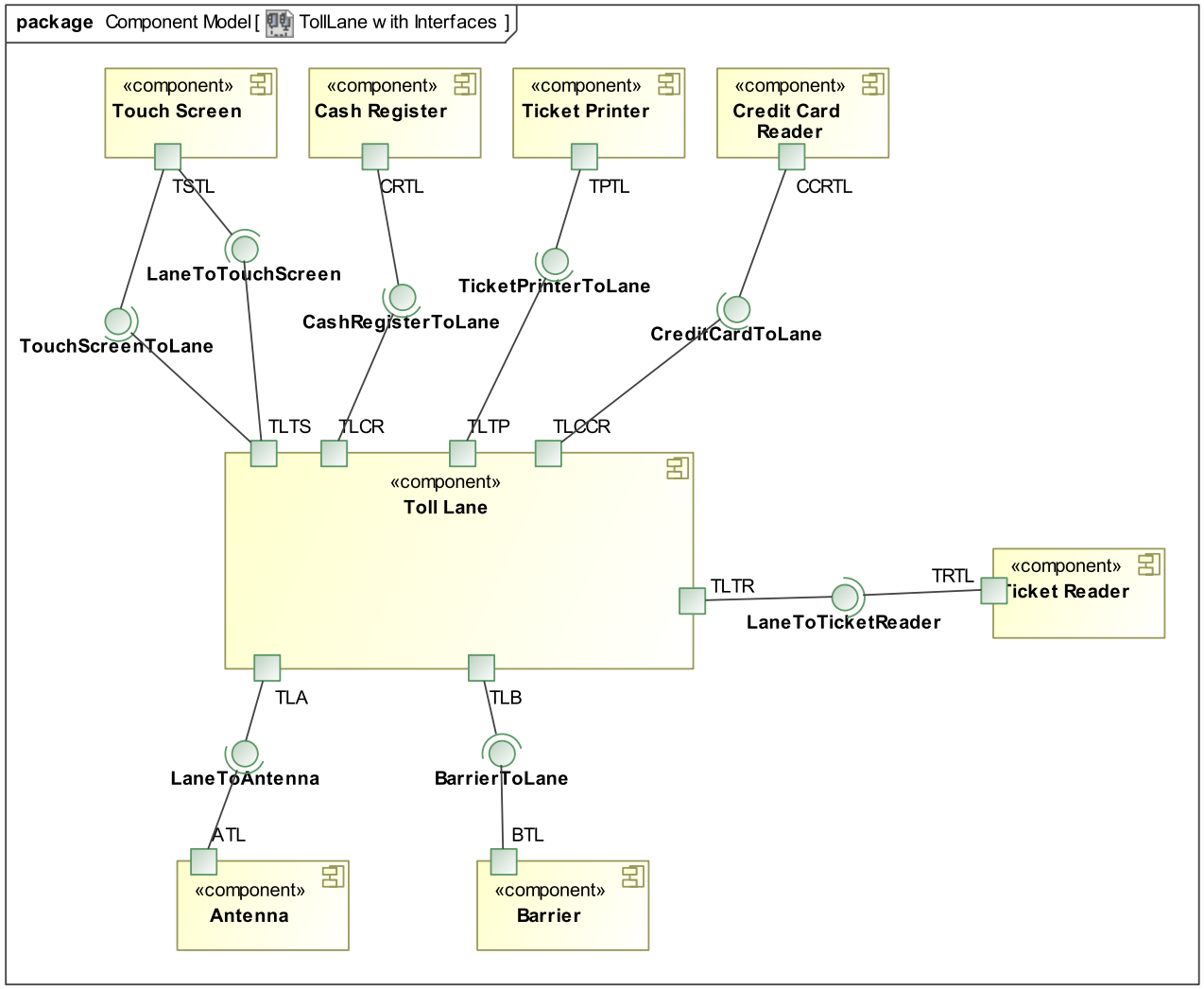
Assumptions

- Barrier functionality
- Bank communication
- Security
- Buy Toll tag implementation

Component Interfaces



TollLane Interfaces



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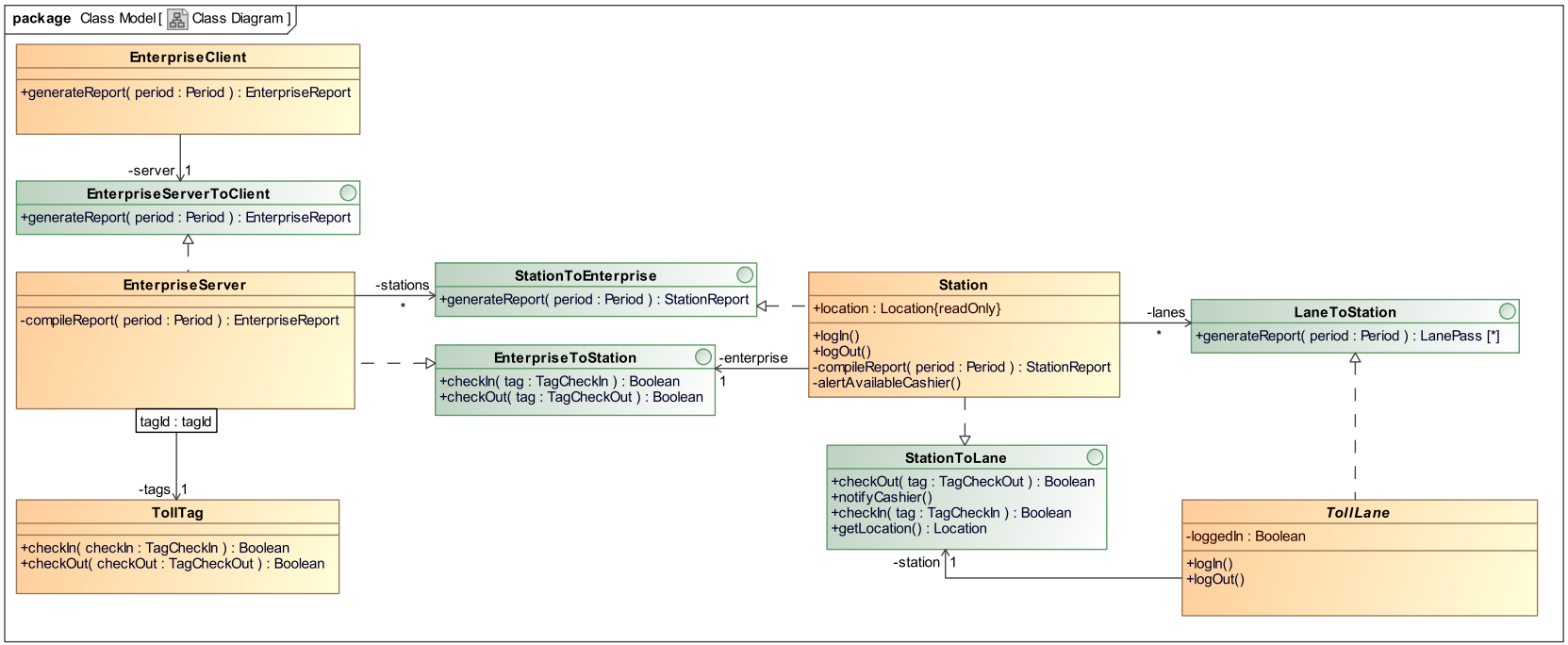
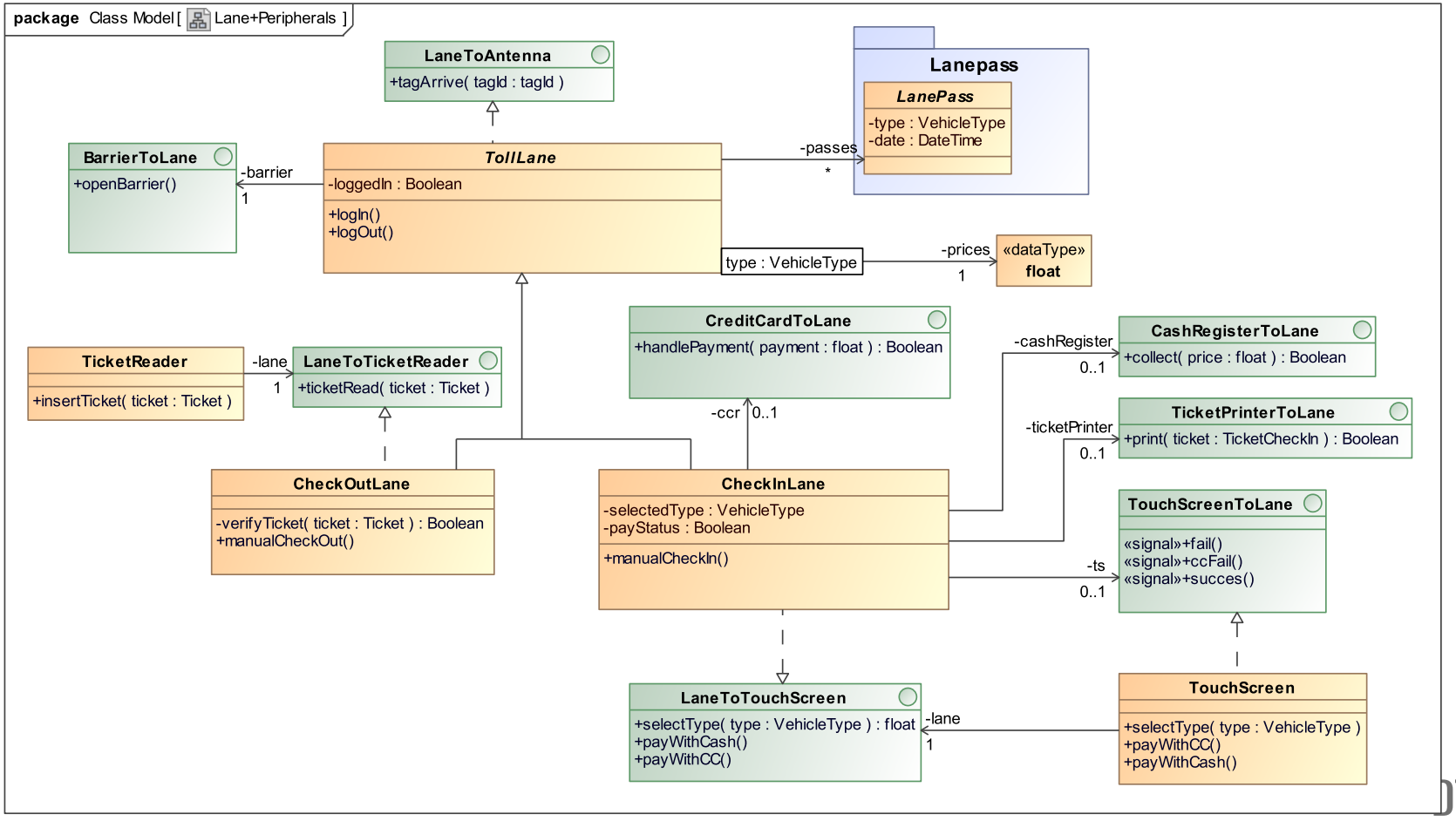
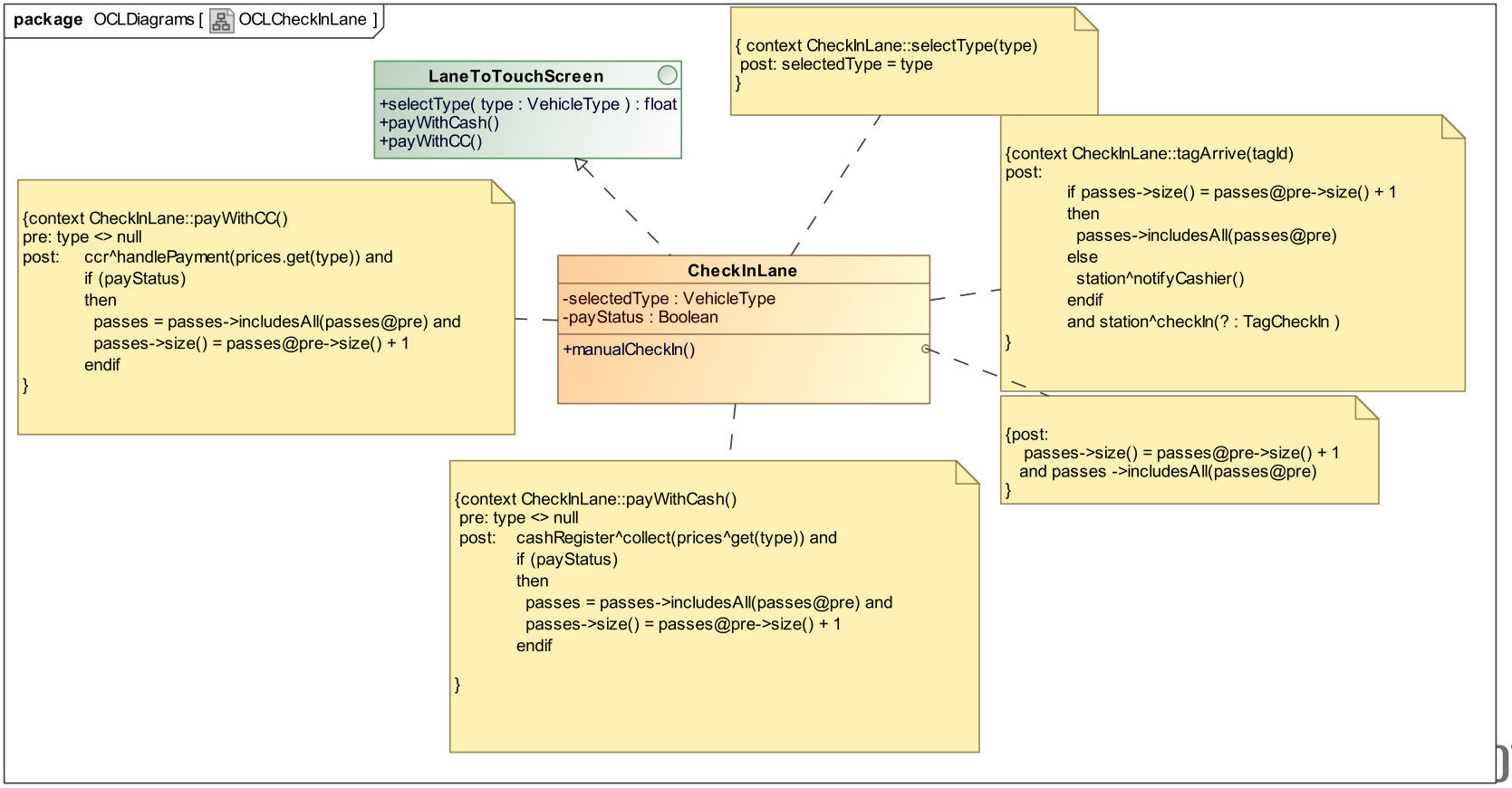
Class Diagram Overall



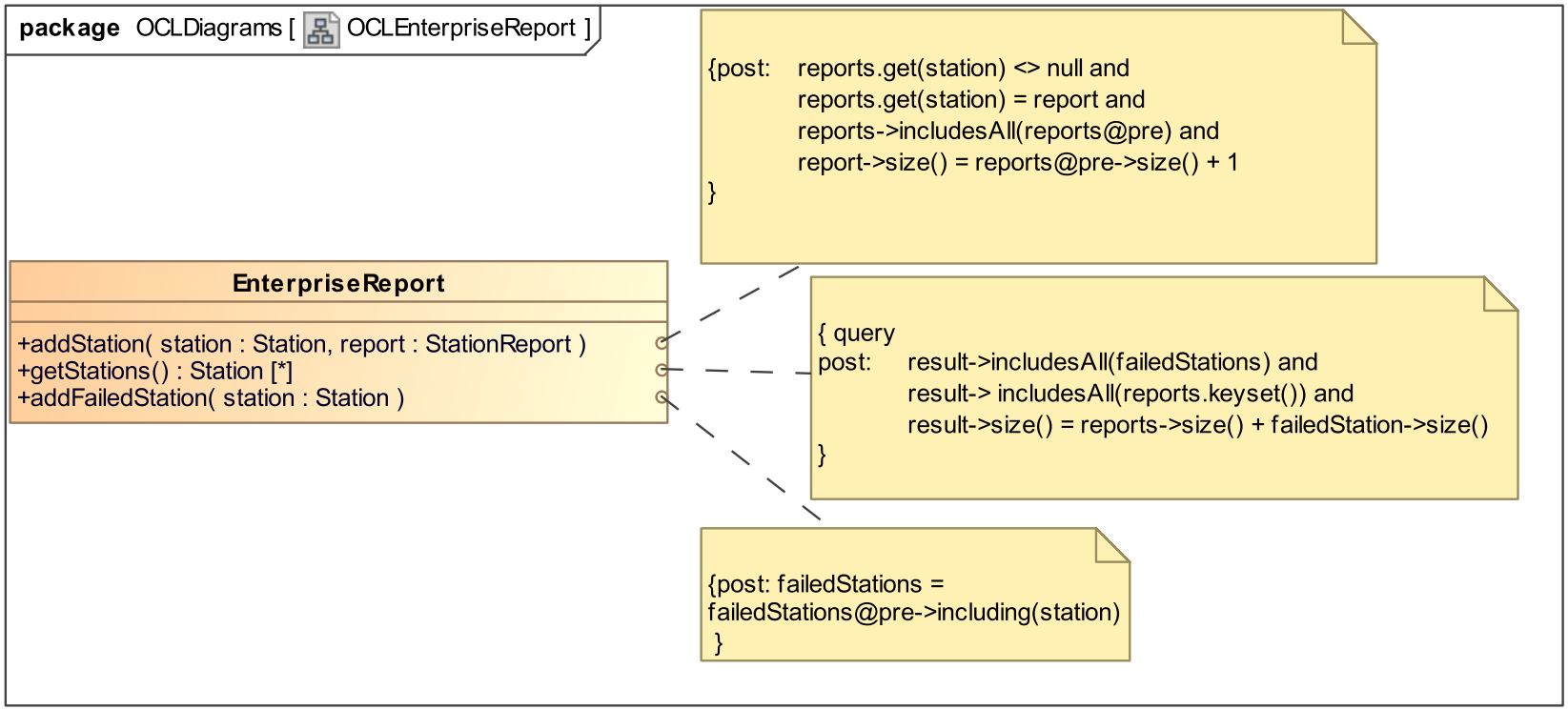
Class Diagram Lane & Peripherals



OCL: Check-in lane



OCL: Enterprise Report



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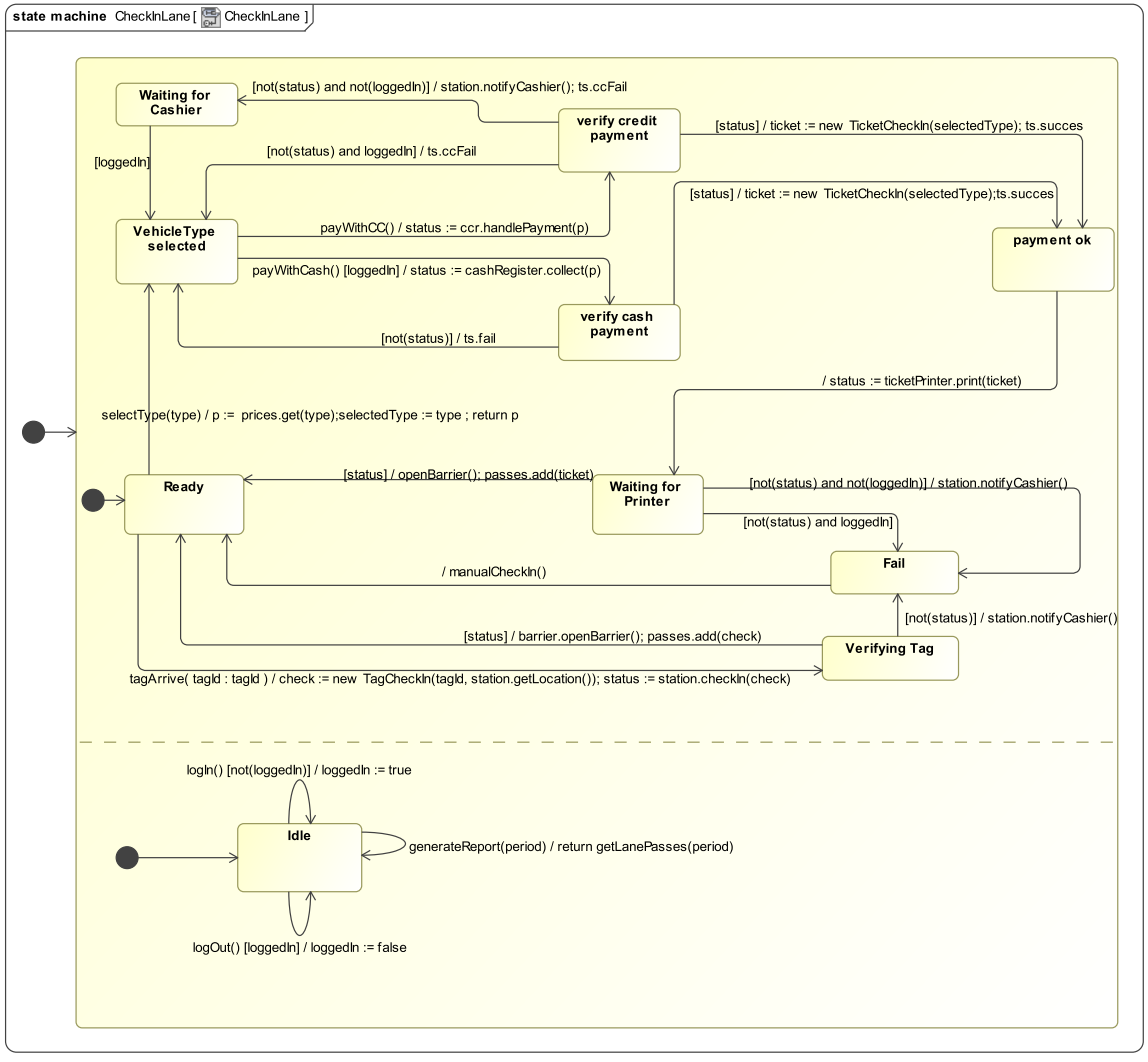
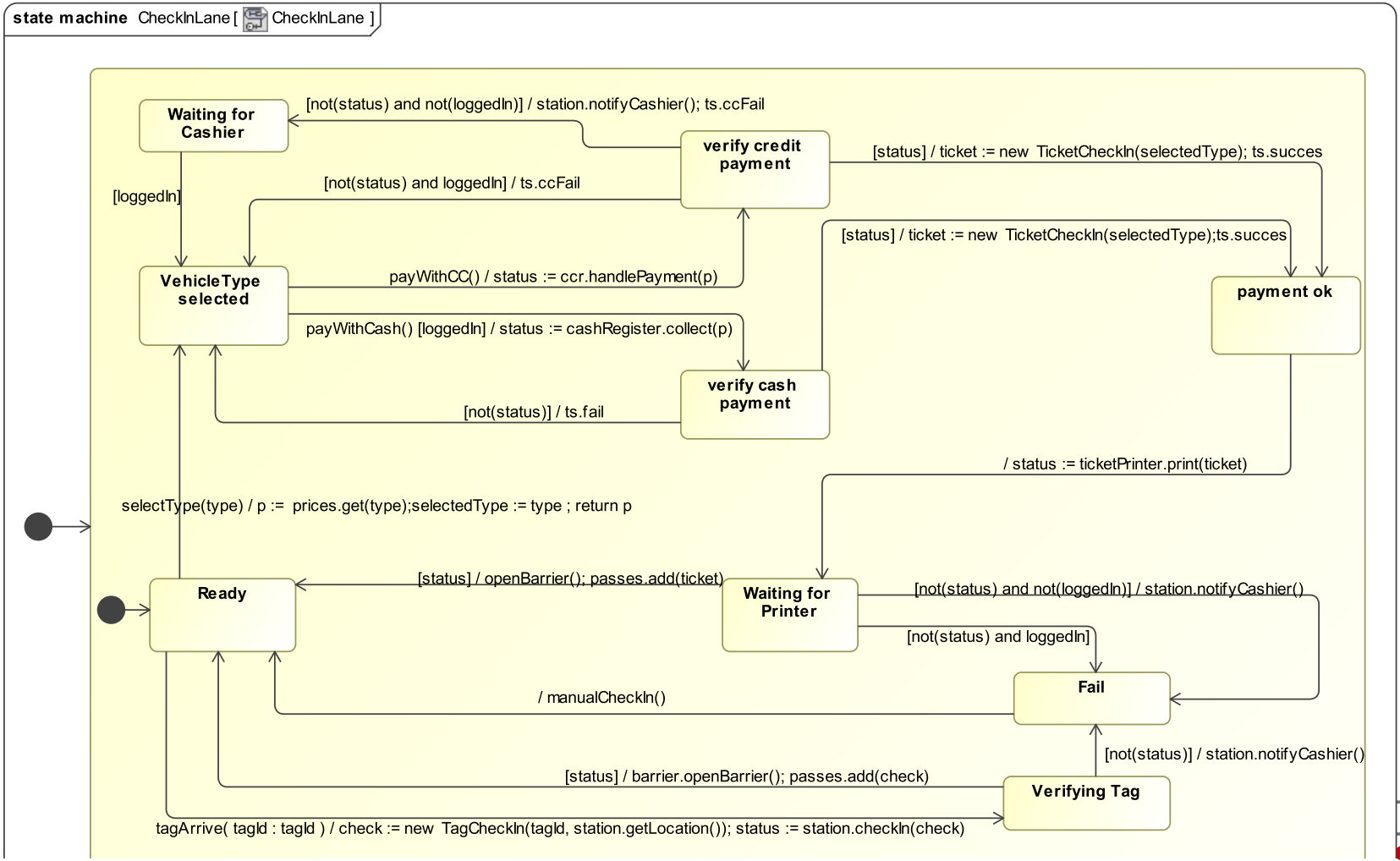
State Machine: Check-in Lane



State Machine: Check-in Lane



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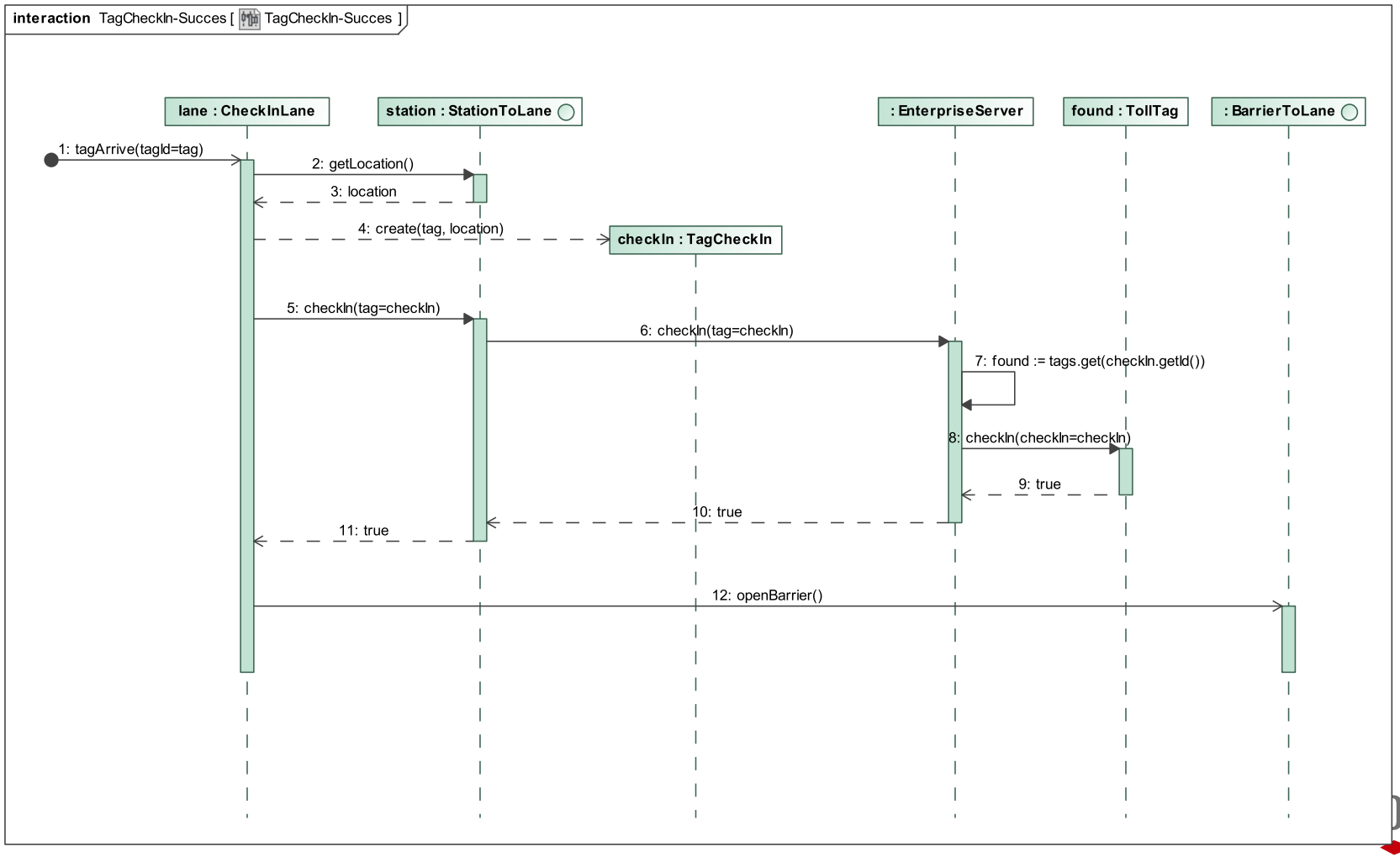
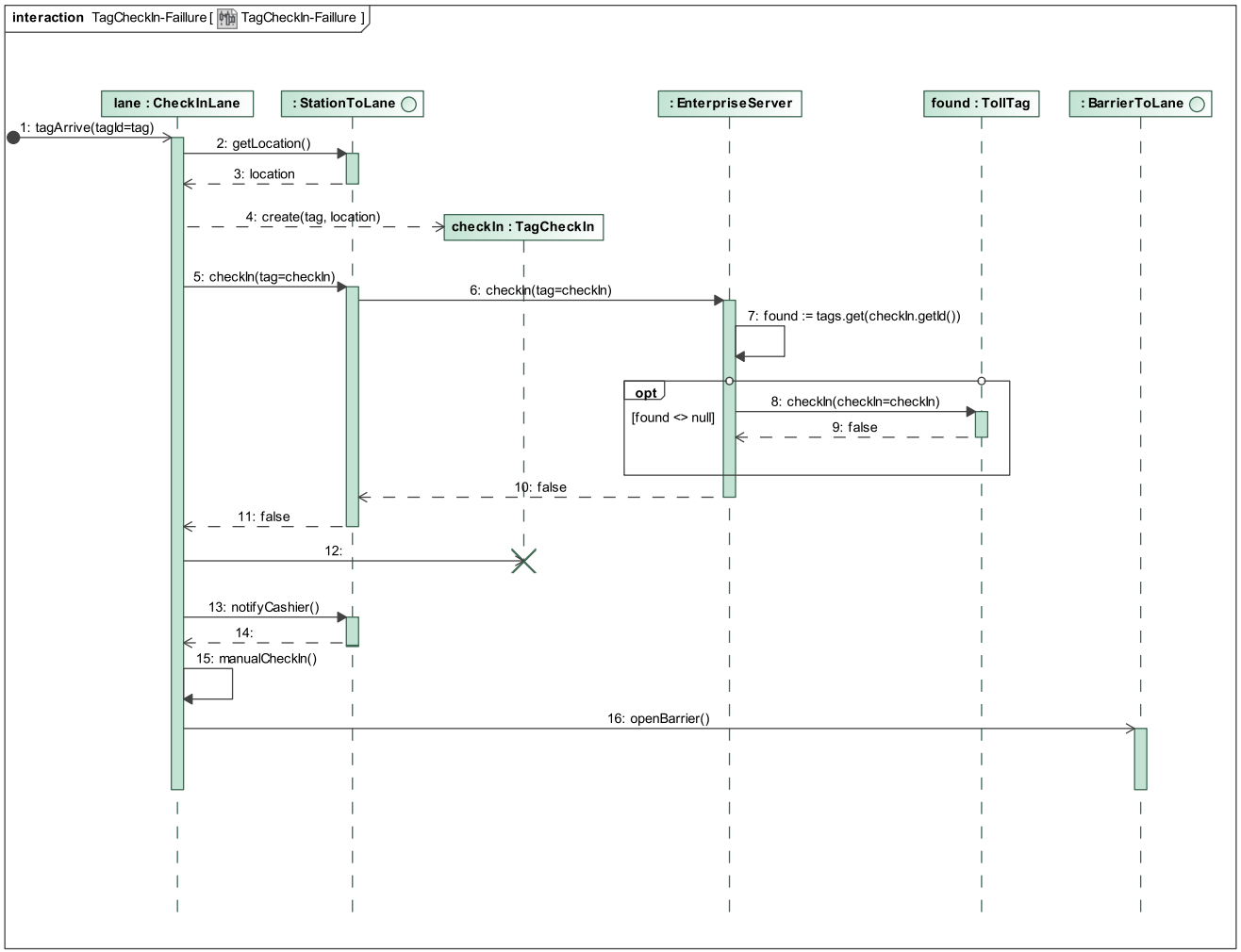
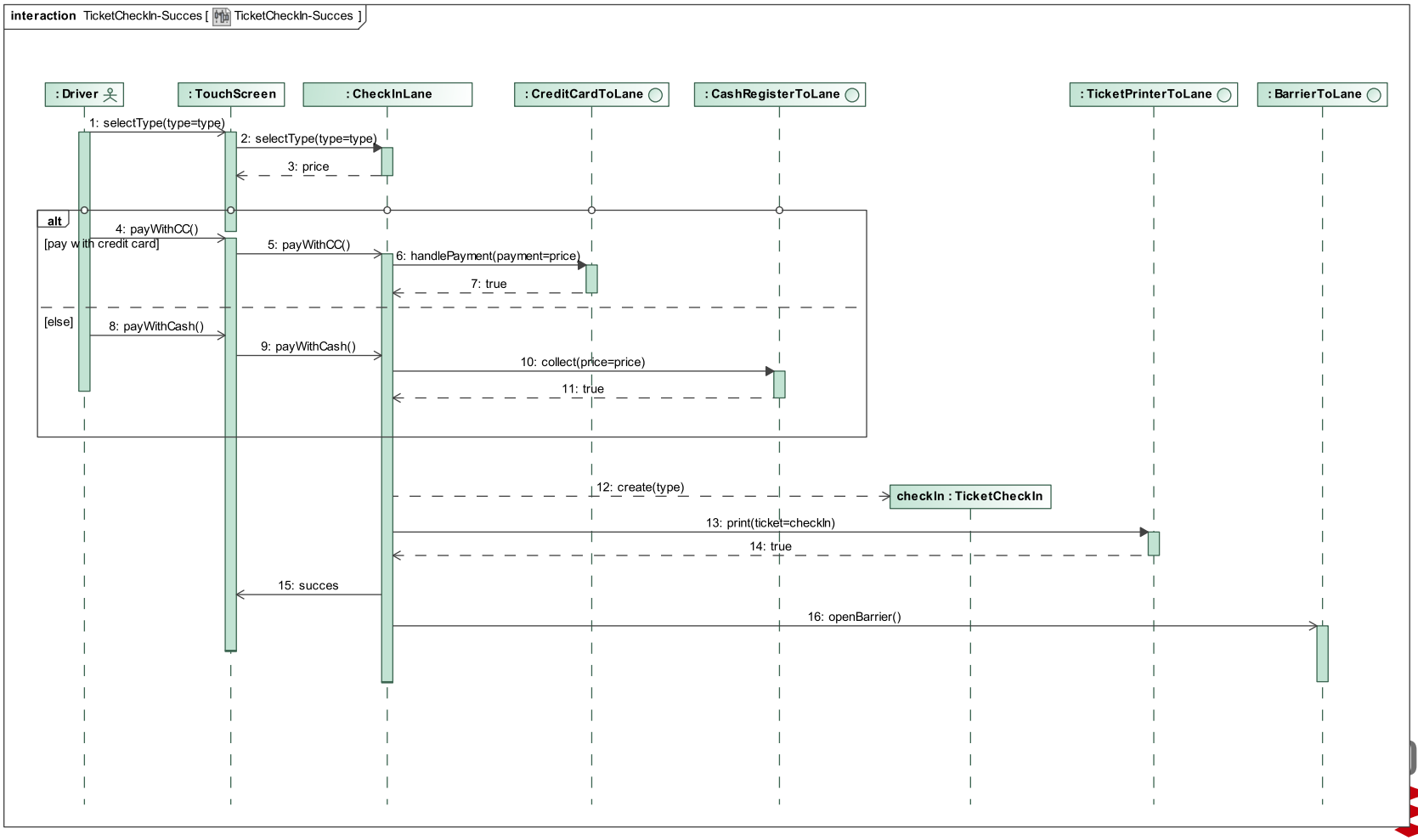
Sequence: Tag Check-in Success



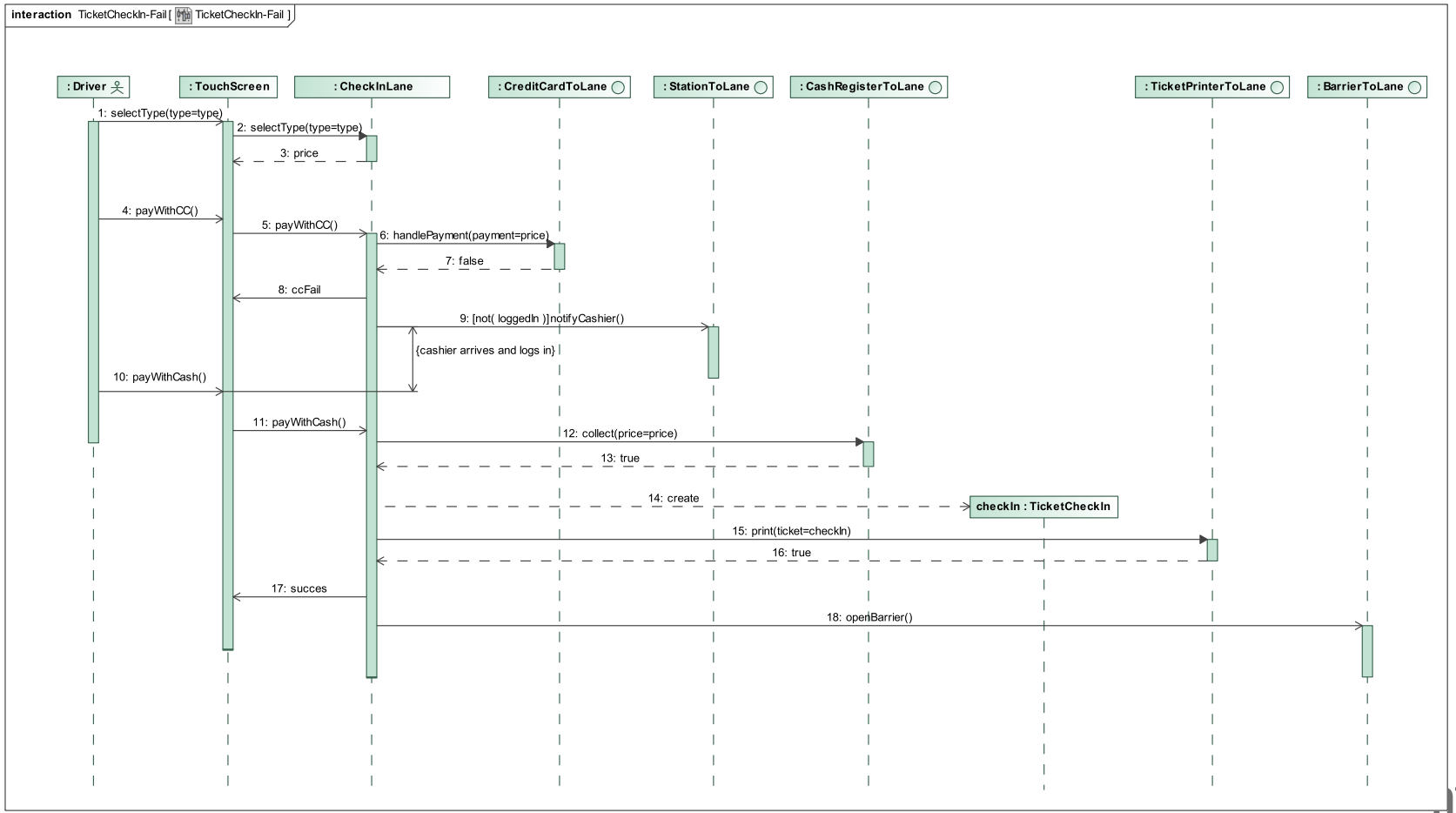
Sequence: Tag Check-in Failure



Sequence: Ticket Check-in Success



Sequence: Ticket Check-in Failure



Design Decisions

- Who creates the check-in objects
- Error handling (true/false vs. enums vs. exceptions)