Thierry Géraud

EPITA Research and Development Laboratory (LRDE)

2006



- 1 Introduction
- 2 UML Functional Diagrams
 - Use Case
 - Activity
- 3 UML Static Diagrams
 - Class
 - Package
 - Component
 - Deployment
- UML Dynamic Diagrams
 - Statechart
 - Sequence
 - Collaboration



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Objectives

- modeling / designing a software project
- introduction to a method

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Use Case (1/1)

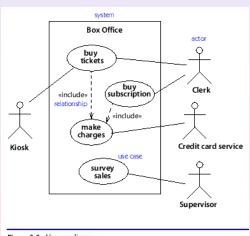


Figure 3-2. Use case diagram

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Activity (1/3)

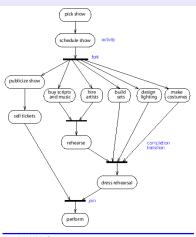


Figure 3-6. Activity diagram

Activity (2/3)

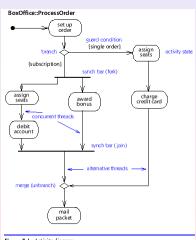


Figure 7-1. Activity diagram

Activity (3/3)

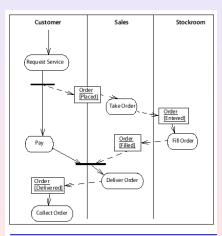
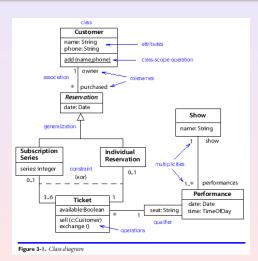


Figure 7-2. Swimlanes and object flows

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Class (1/2)



Class (2/2)

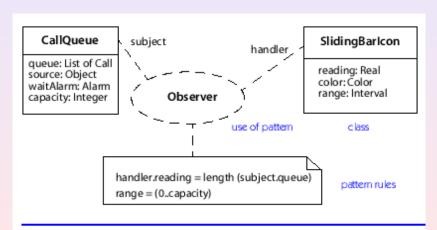
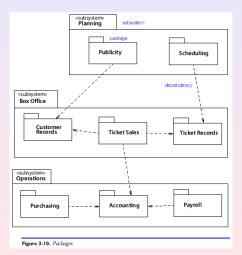


Figure 8-5. Pattern usage

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Package (1/2)



Package (2/2)

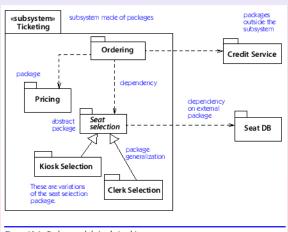
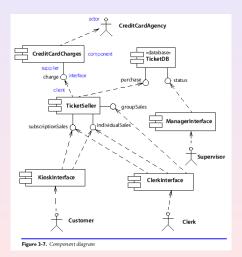


Figure 10-1. Packages and their relationships

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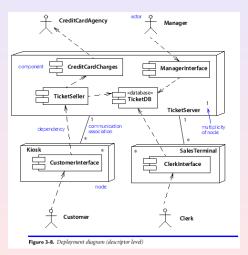
Component (1/1)



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Deployment (1/2)



Deployment (2/2)

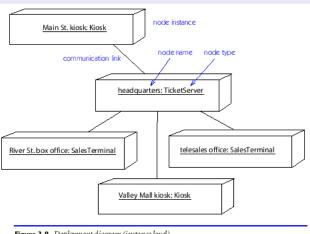


Figure 3-9. Deployment diagram (instance level)

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Statechart (1/4)

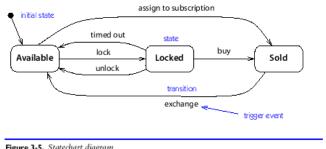


Figure 3-5. Statechart diagram

Statechart (2/4)

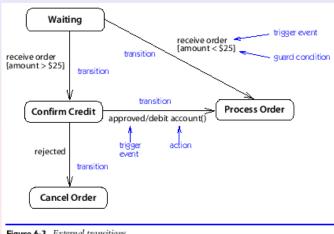
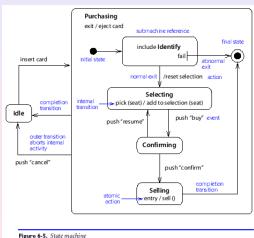
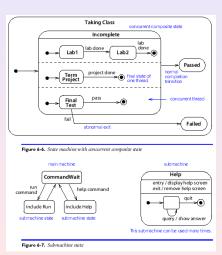


Figure 6-3. External transitions

Statechart (3/4)



Statechart (4/4)



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Sequence (1/3)

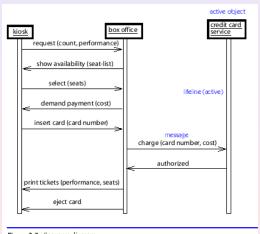


Figure 3-3. Sequence diagram

Sequence (2/3)

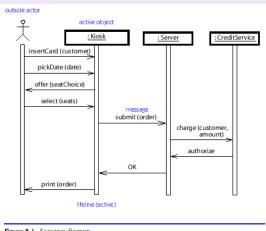


Figure 8-1. Sequence diagram

Sequence (2/3)

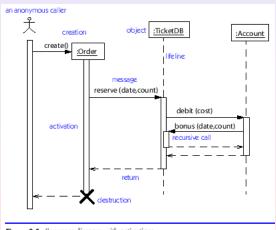
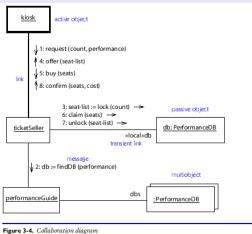


Figure 8-2. Sequence diagram with activations

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Collaboration (1/2)



Collaboration (2/2)

