

Lab for Software Engineering

Online Banking Application

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1 Analysis

1.1 A1

1.1.1 Requirements & Domain-Knowledge

Requirements

R1 First...

R2 Second...

Facts

F1 First...

F2 Second...

Assumptions

A1 First...

A2 Second...

1.1.2 Contextdiagram

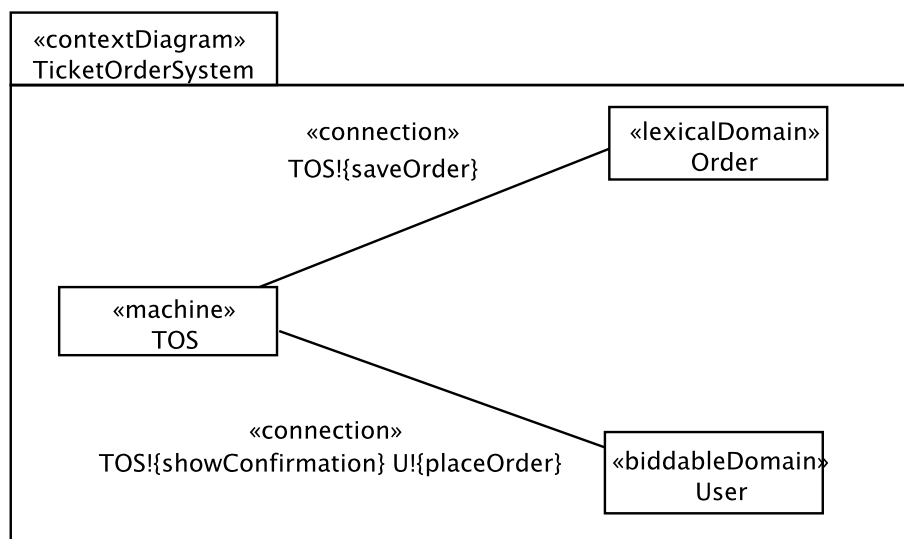


Figure 1.1: Contextdiagram

1.2 A2

We can derive the following problem diagrams

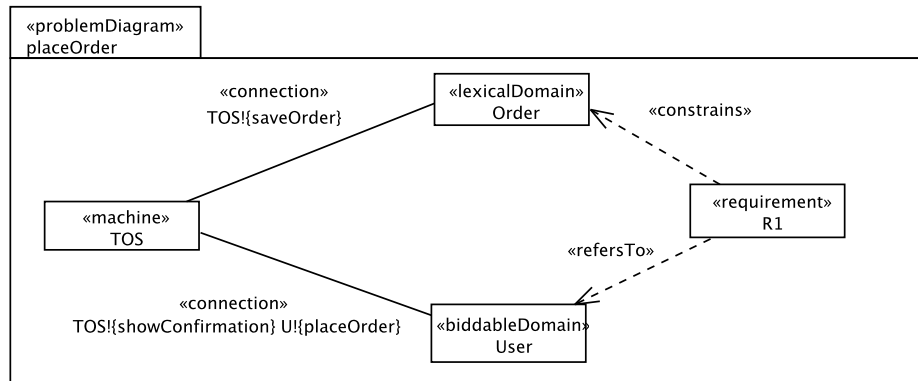


Figure 1.2: Problemdigram for R1

1.3 A3

1.4 A4

1.5 A5

A short OCL example:

```
1 context Person inv: self.alter >=0
2
3 pre alter >30
4 post alter=alter@pre+1
```


1.6 A6

Examples of a life-cycle using the math-environment:

$$LC_{guest} = (Browse^+; [Book])^*$$

2 Design

2.1 D1

2.2 D2

2.3 D3

2.4 D4

State diagrams with tikZ:

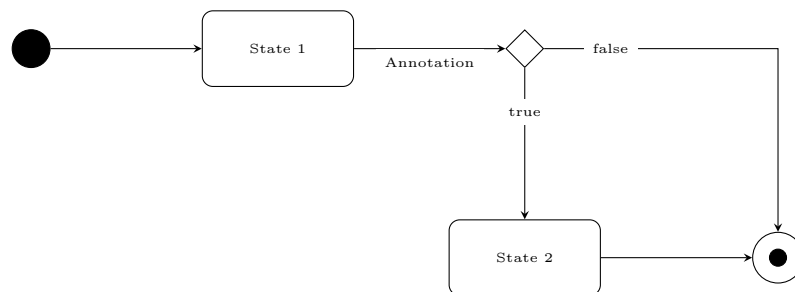


Figure 2.1: Zustandsdiagramm Person 1

3 Implementation & Testing

3.1 I

3.2 T1

3.3 T2

3.4 T3

4 Glossary

Table 4.1: Glossary

Name	Type	Description	Source
A			
Anton	biddable Domain	User of the system	Contextdiagram
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
L			
M			
N			
O			
P			
Q			
R			
S			
Stakeholder	biddable Domain	User of the system	contextdiagram
T			
TOS	machine Domain	Software	contextdiagram
U			

Table 4.1: Glossar

Name	Type	Description	Source
User	biddable Domain	User of the system	contextdiagram
V			
W			
X			
Y			
Z			