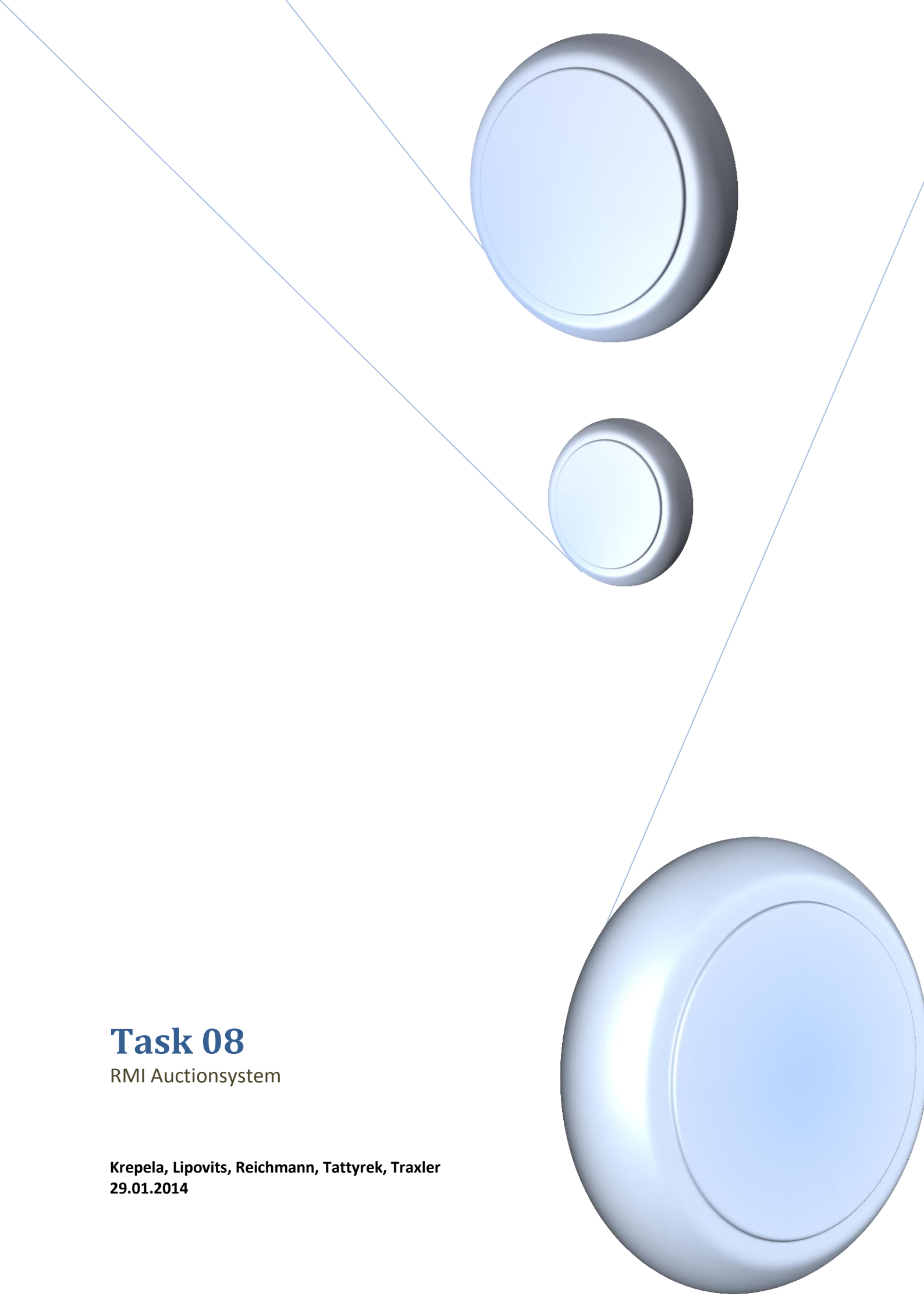


Task 08

RMI Auctionsystem

Krepela, Lipovits, Reichmann, Tattyrek, Traxler

29.01.2014

Insert Specification Here

Designüberlegung

Testing Component

Reading Property File:

TODO: adjust these values

clients = 100

auctionsPerMin = 1

auctionDuration = 2*60

updateIntervalSec: 20

bidsPerMin = 2

Lines, which start with a '#' are comments and do not affect any functionality.
The next line describes the number of clients which should be used within this test.
Afterwards, the auctions per minute, the auction duration, the update interval in seconds and the bids per minute are given.
The attribute and the value can be split by '=' or ':', additionally the number can consist of two multiplicators, which have to be multiplicated before it can be saved.

Exceptions (Lipovits only)

CommandNotFoundException()
→ Thrown if a Command does not exist

IllegalNumberOfArgumentsException()
→ Thrown, if the userinput conists of a wrong number of arguments for the command

WrongInputEception()
→ Thrown, if the command exists and has the right number of arguments, but one or more arguments are of a wrong type. e.g. '!removeSteps 1 miau'

Management Client

Commands

The following management client - commands where implemented as a prototype:

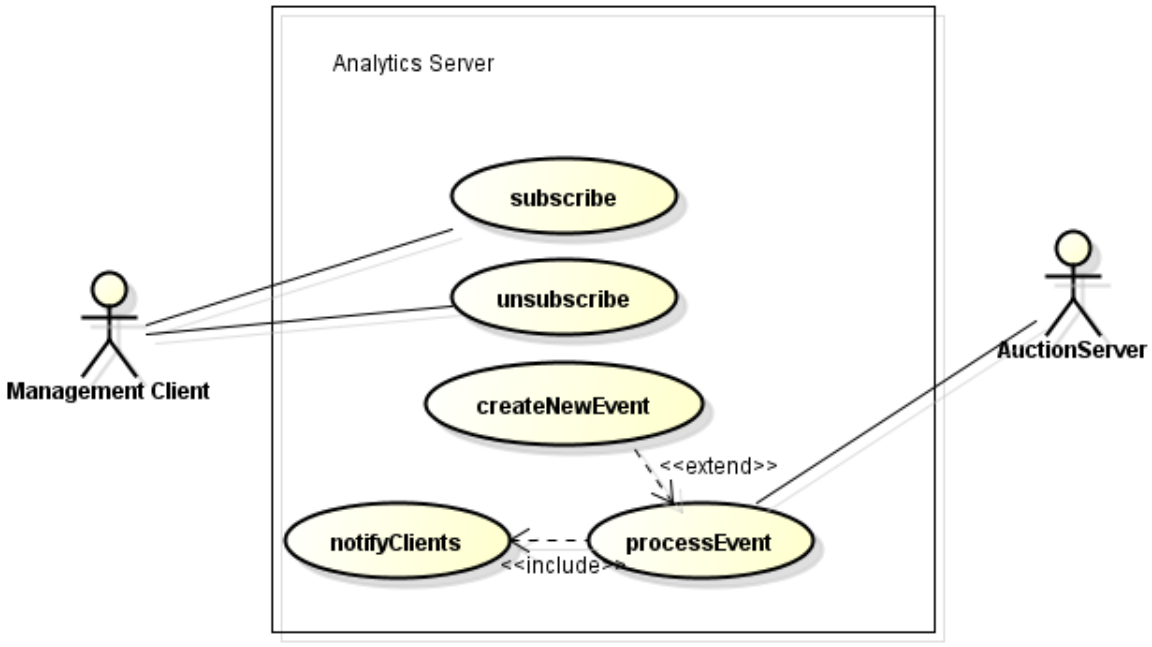
- !login
- !logout
- !steps
- !addStep

- !removeStep
- !bill
- !subscribe
- !unsubscribe

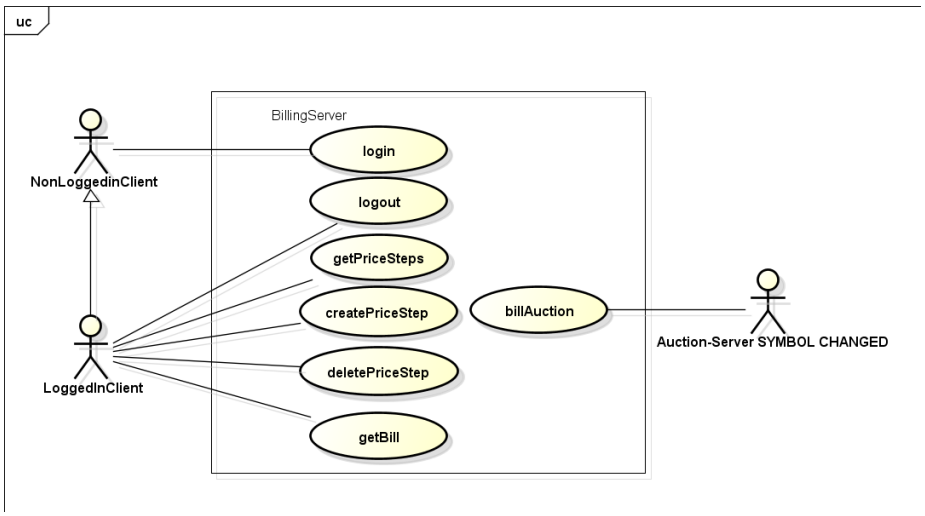
Those commands are recognized and checked by the client and print a response.

Use Case

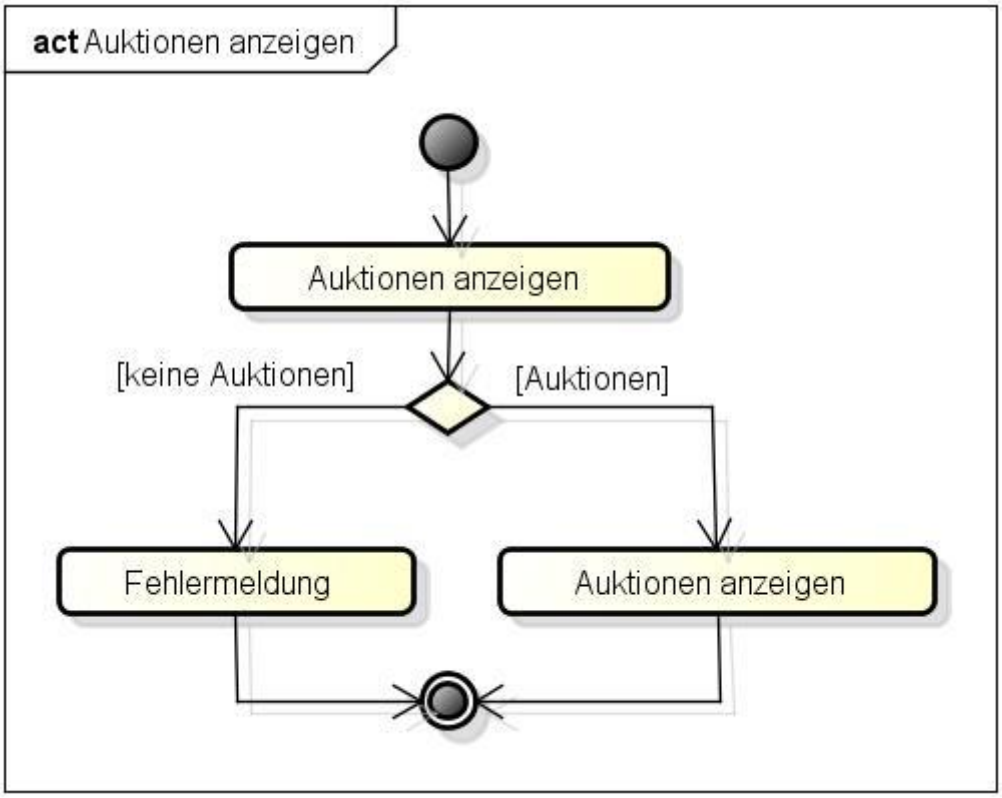
Analytic Server:

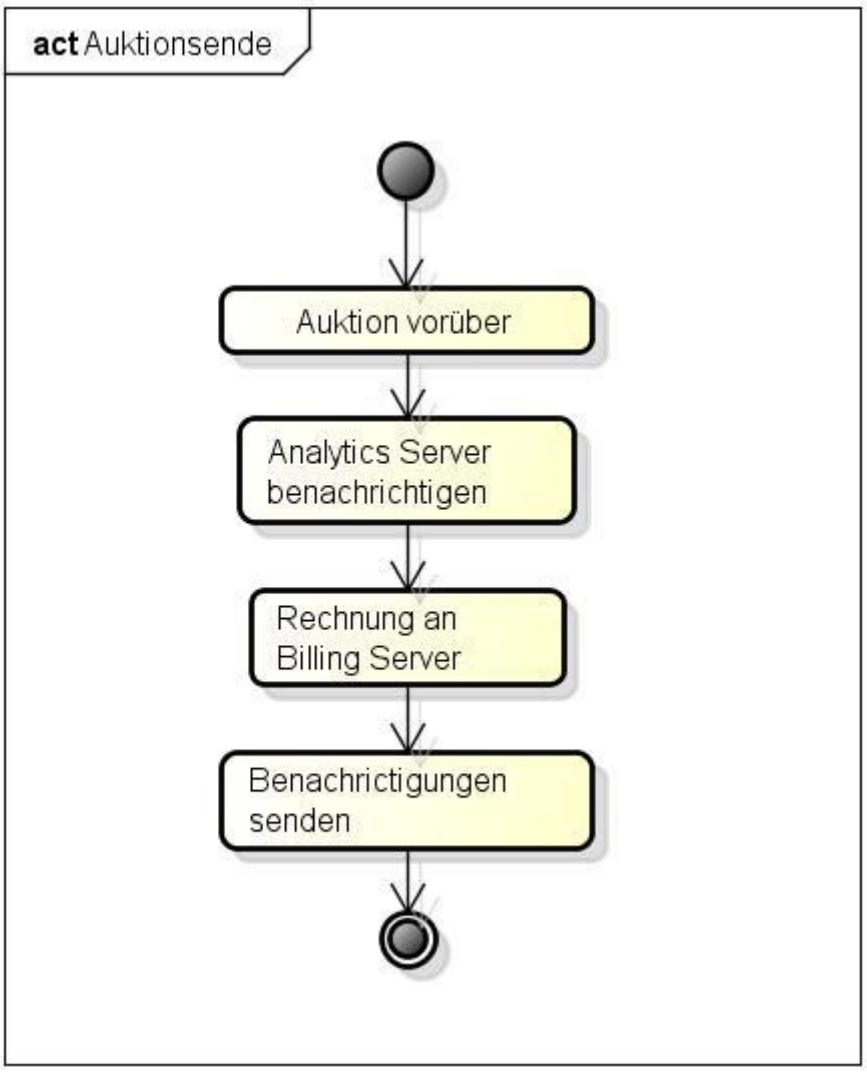


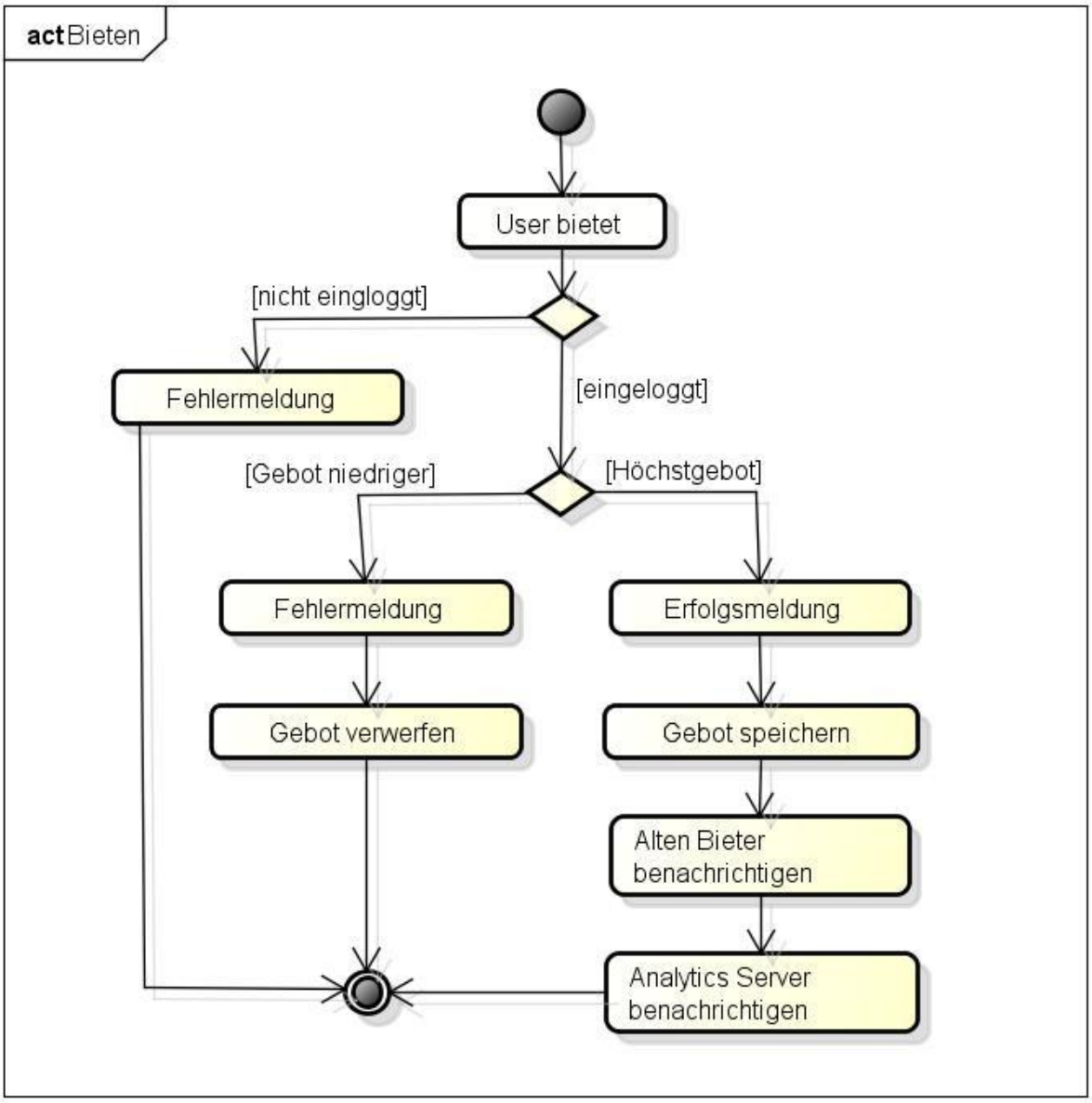
BillingServer:

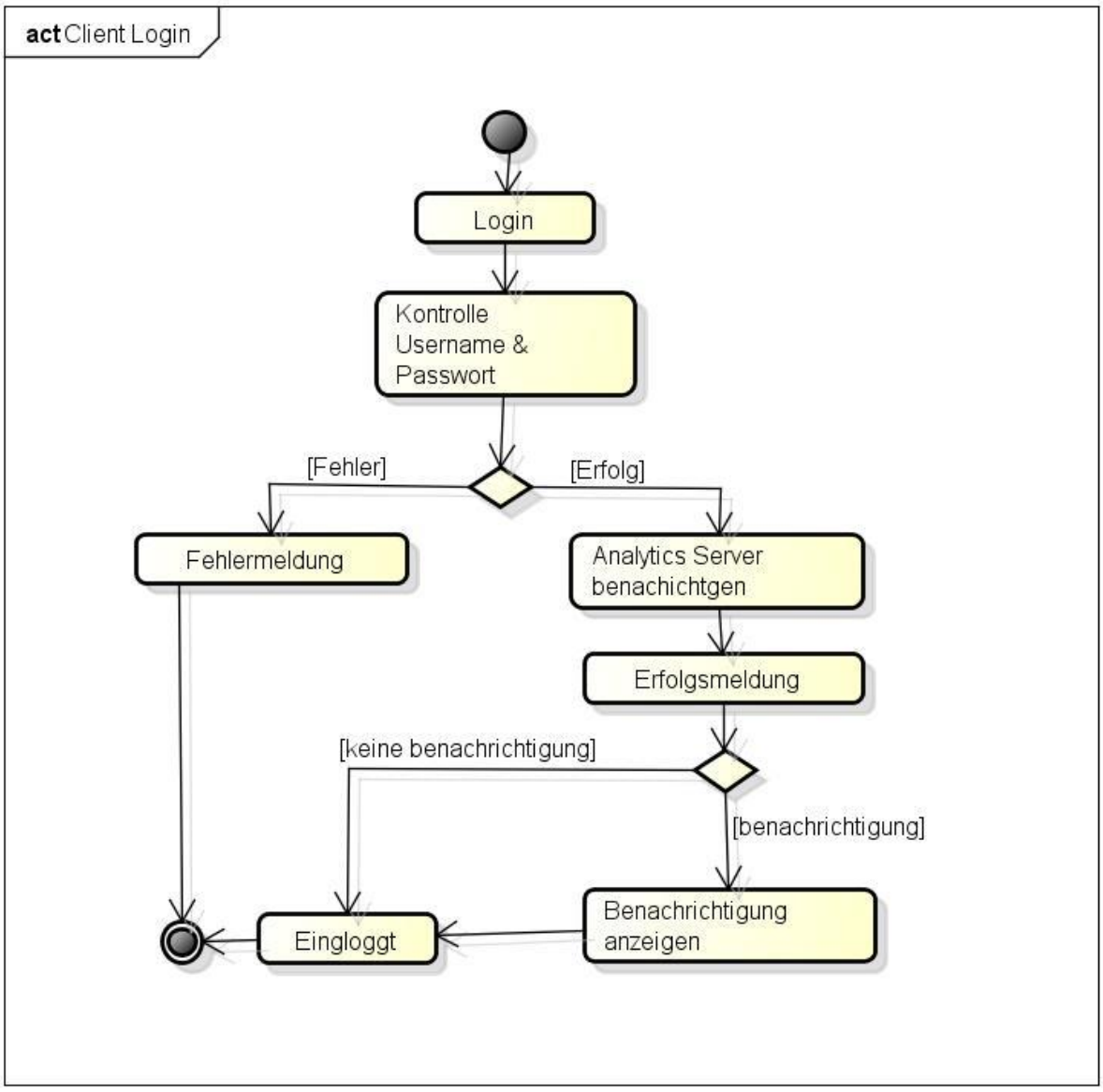


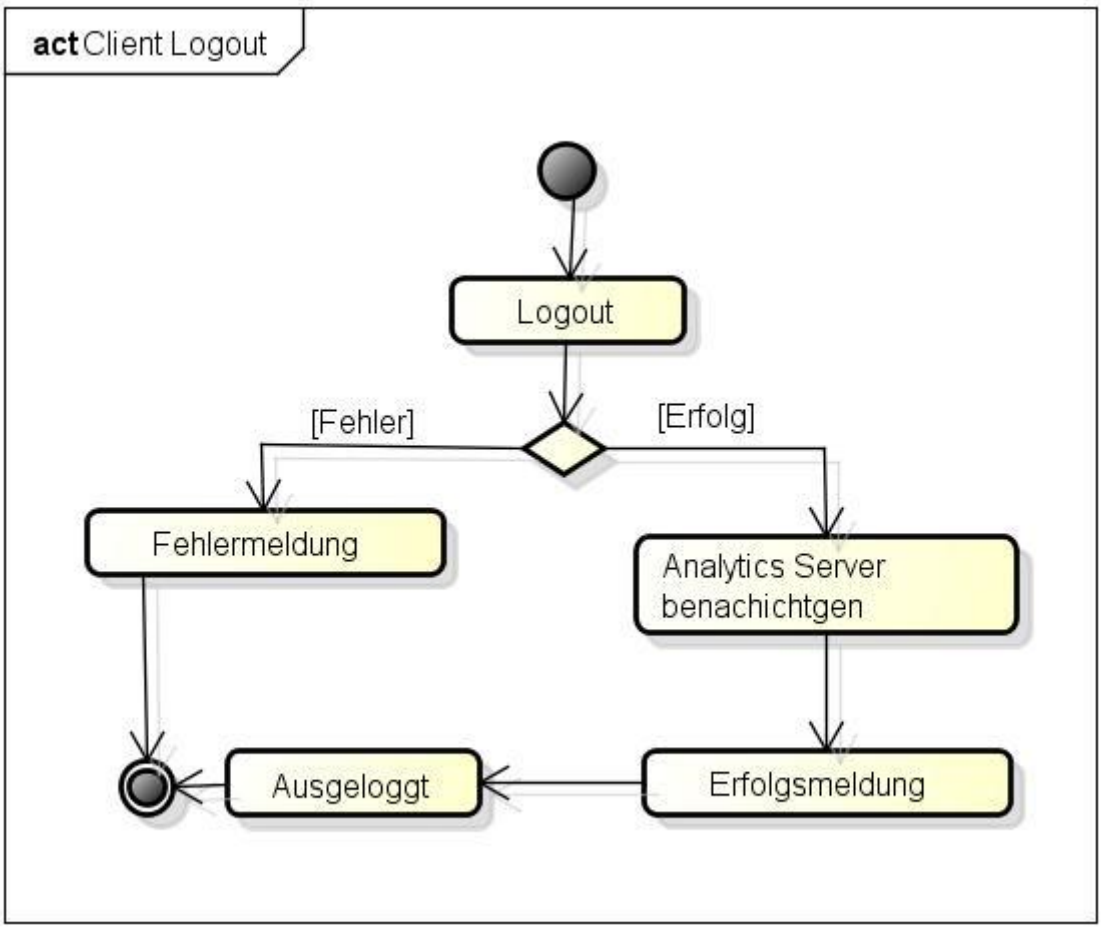
Aktivitätsdiagramm

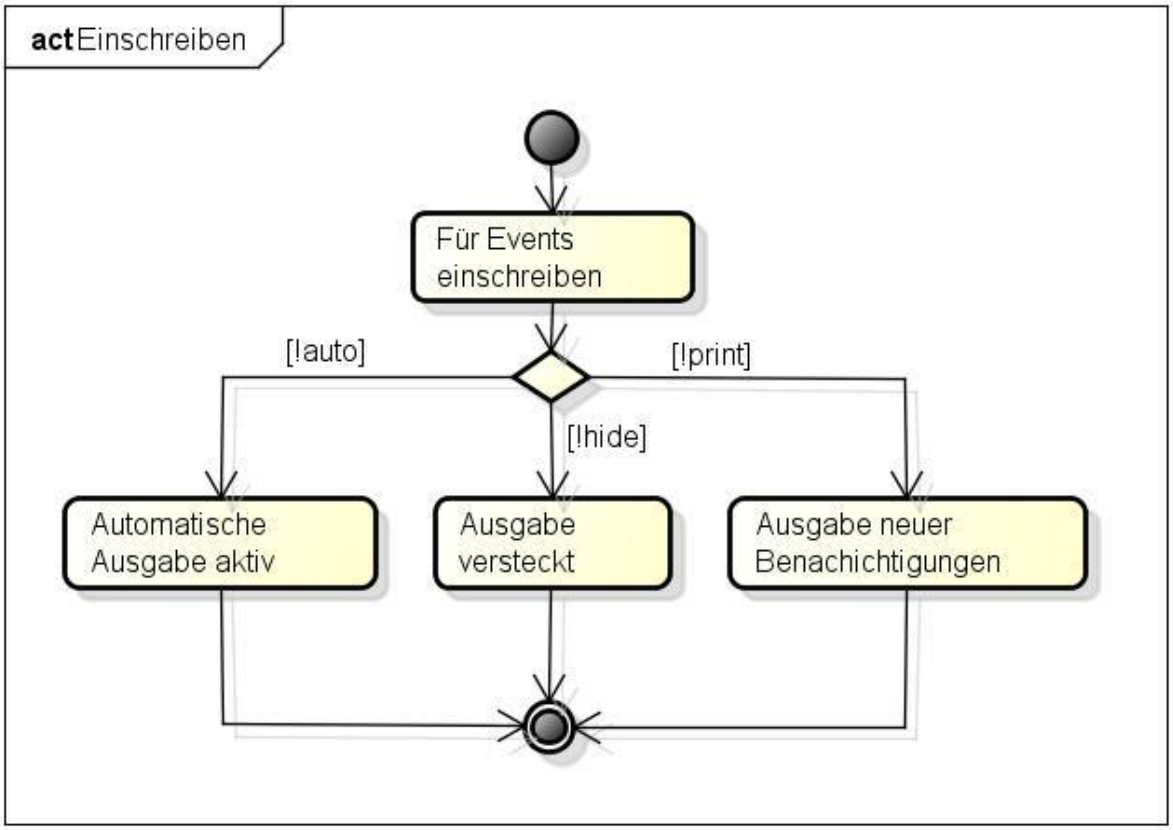


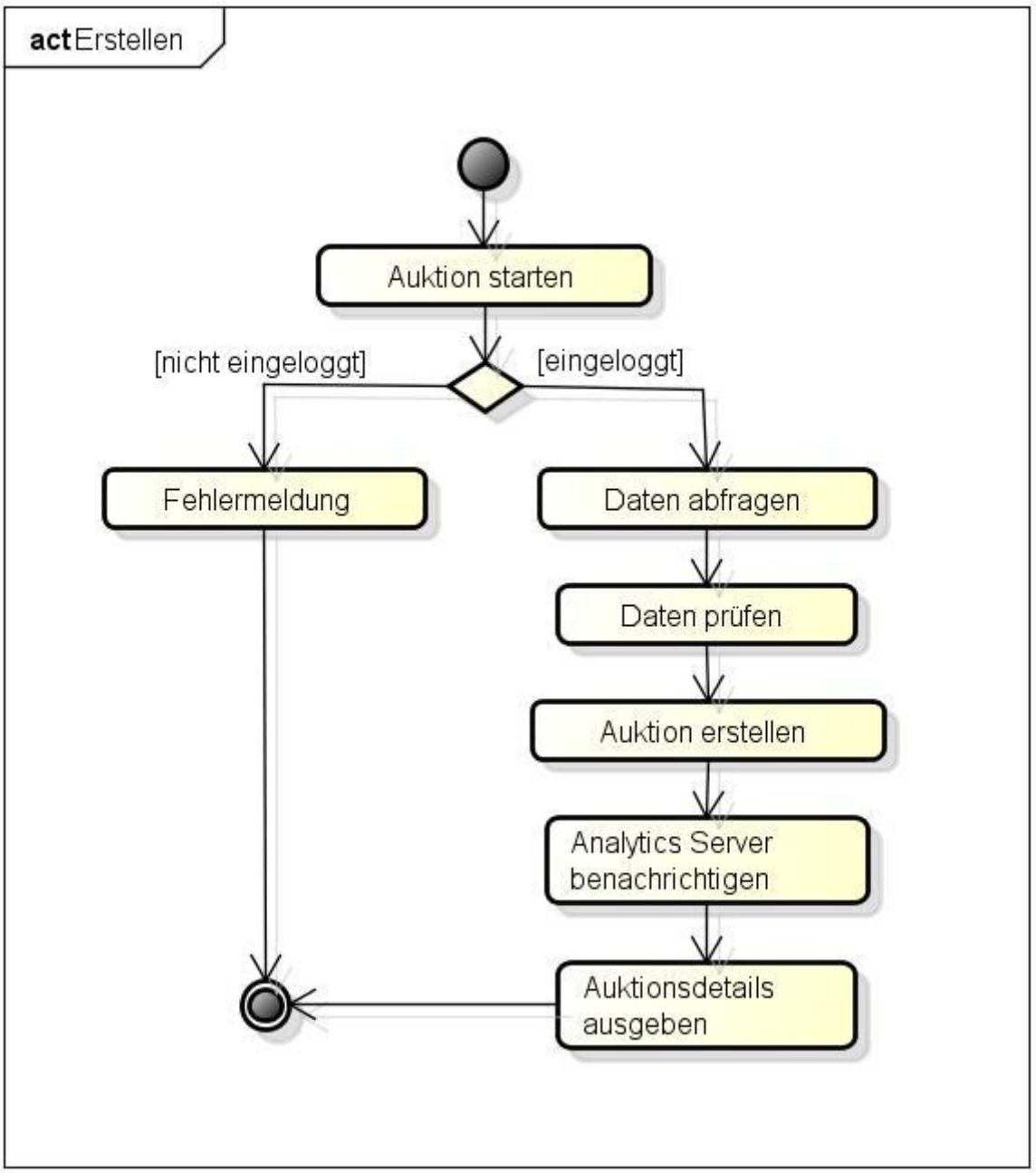

act Auktionsende
Auktion vorüber
Analytics Server benachrichtigen
Rechnung an Billing Server
Benachrictigungen senden

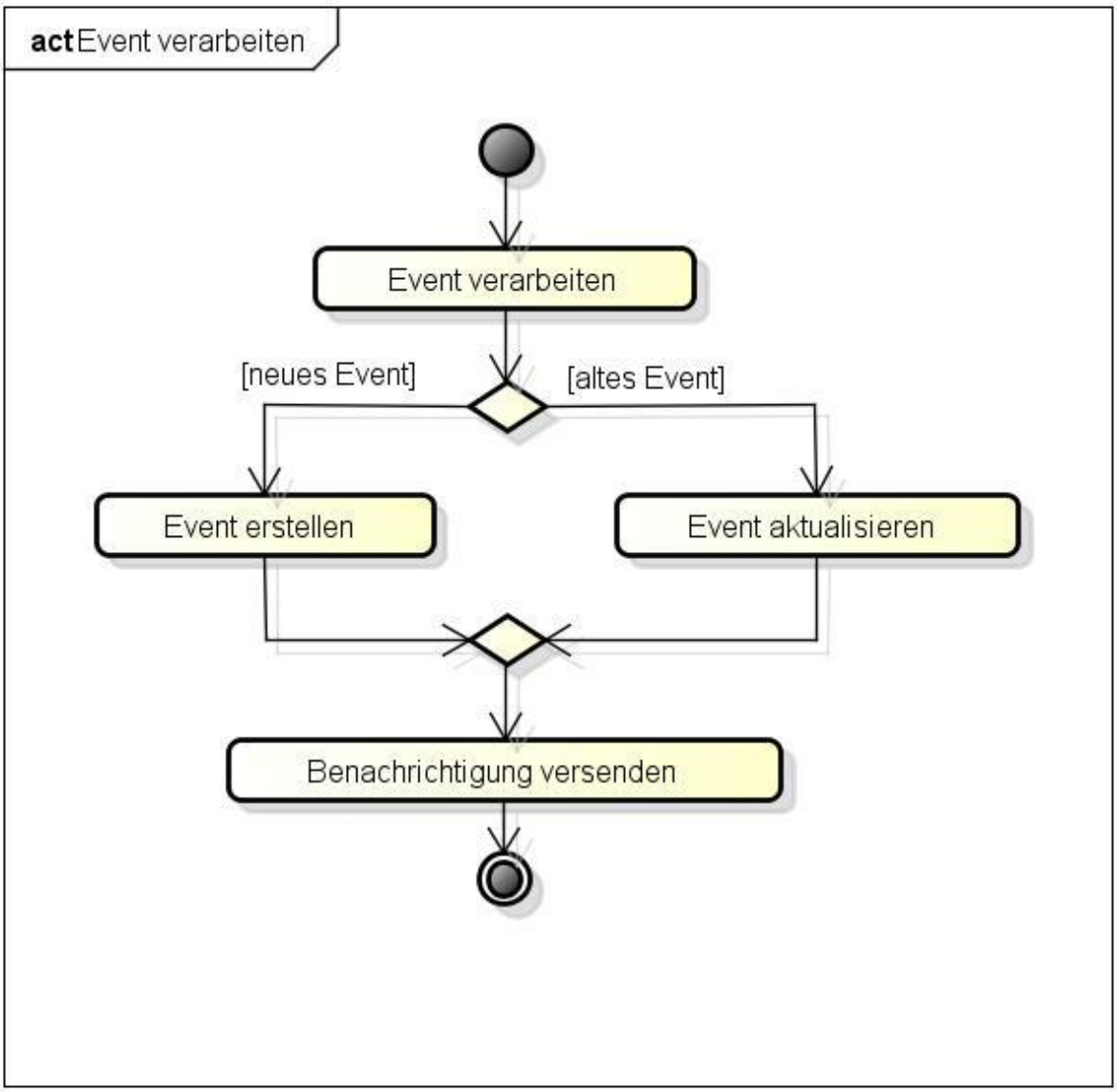

actBieten
User bietet
[nicht eingloggt]
Fehlermeldung
[eingeloggt]
[Gebot niedriger]
[Höchstgebot]
Fehlermeldung
Erfolgsmeldung
Gebot verwerfen
Gebot speichern
Alten Bieter benachrichtigen
Analytics Server benachrichtigen

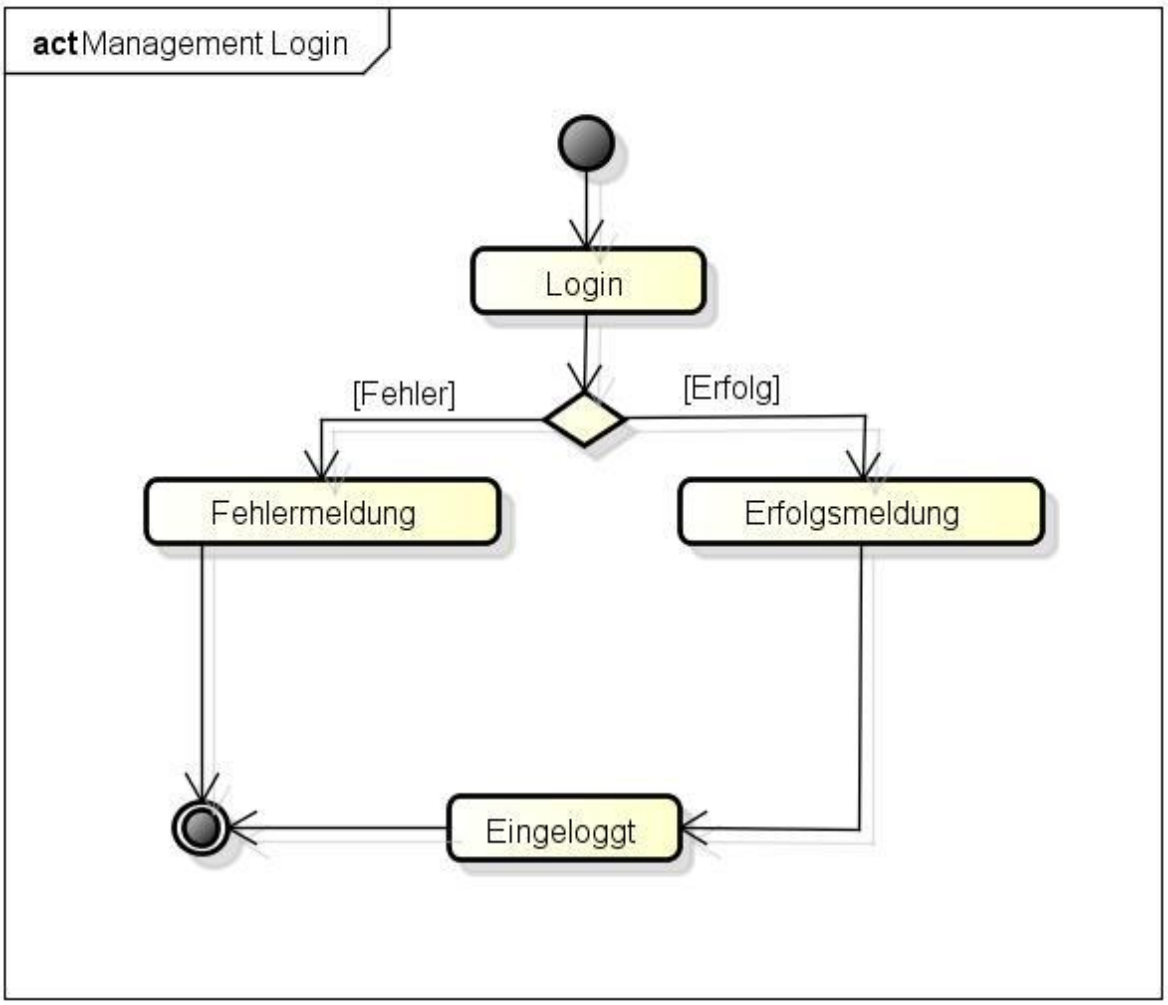

act Client Login
Login
Kontrolle
Username &
Passwort
[Fehler]
[Erfolg]
Fehlermeldung
Analytics Server
benachichtgen
Erfolgsmeldung
[keine benachrichtigung]
[benachrichtigung]
Benachrichtigung
anzeigen
Eingloggt

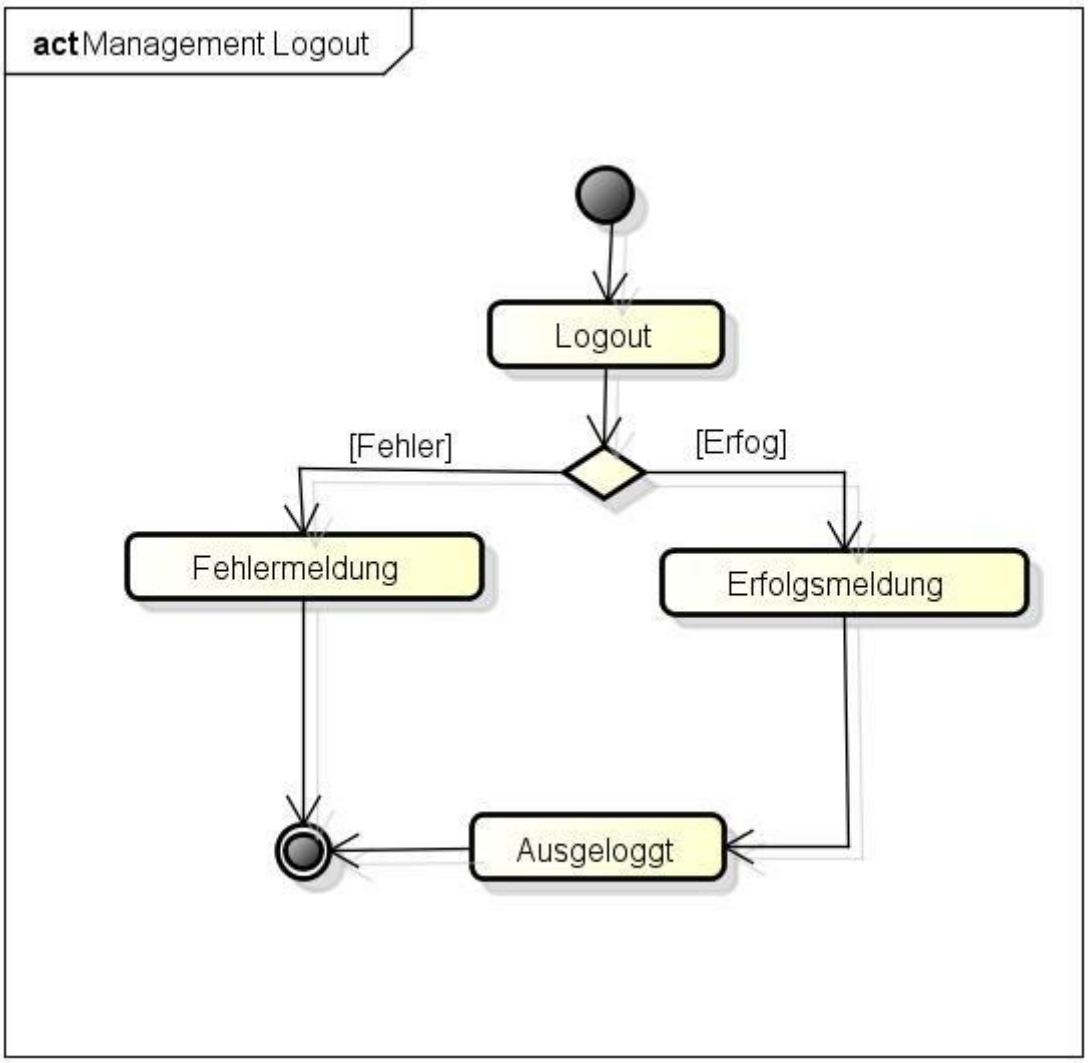

act Client Logout
Logout
[Fehler]
[Erfolg]
Fehlermeldung
Analytics Server benachichtgen
Ausgeloggt
Erfolgsmeldung

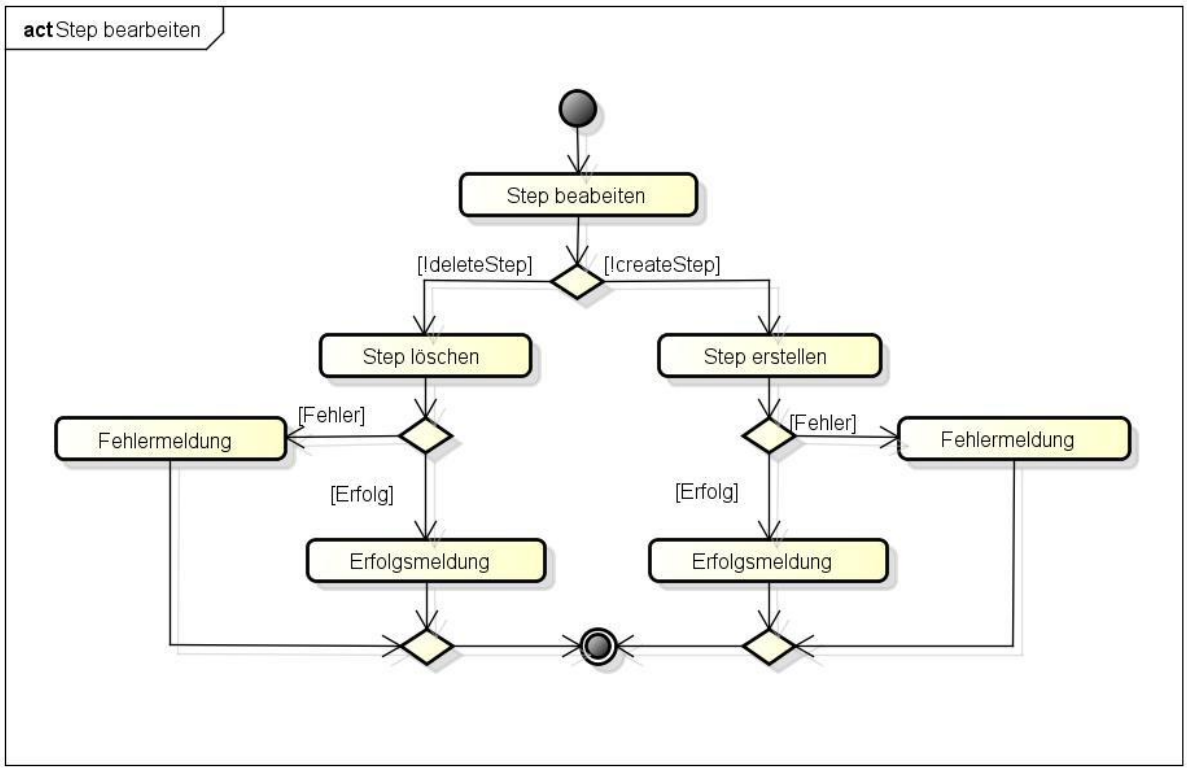

act Einschreiben
Für Events einschreiben
[!auto]
[!print]
[!hide]
Automatische Ausgabe aktiv
Ausgabe versteckt
Ausgabe neuer Benachichtigungen

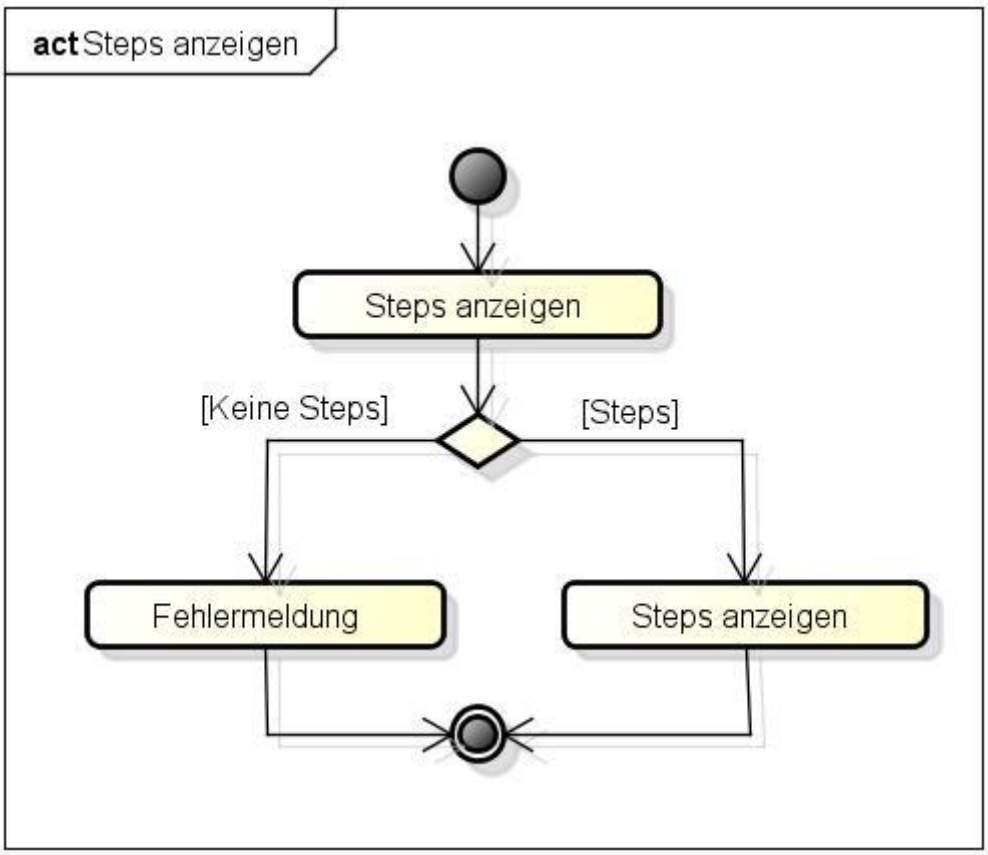

actErstellen
Auktion starten
[nicht eingeloggt]
[eingeloggt]
Fehlermeldung
Daten abfragen
Daten prüfen
Auktion erstellen
Analytics Server benachrichtigen
Auktionsdetails ausgeben


act Event verarbeiten
Event verarbeiten
[neues Event]
[altes Event]
Event erstellen
Event aktualisieren
Benachrichtigung versenden


act Management Login
Login
[Fehler]
[Erfolg]
Fehlermeldung
Erfolgsmeldung
Eingeloggt

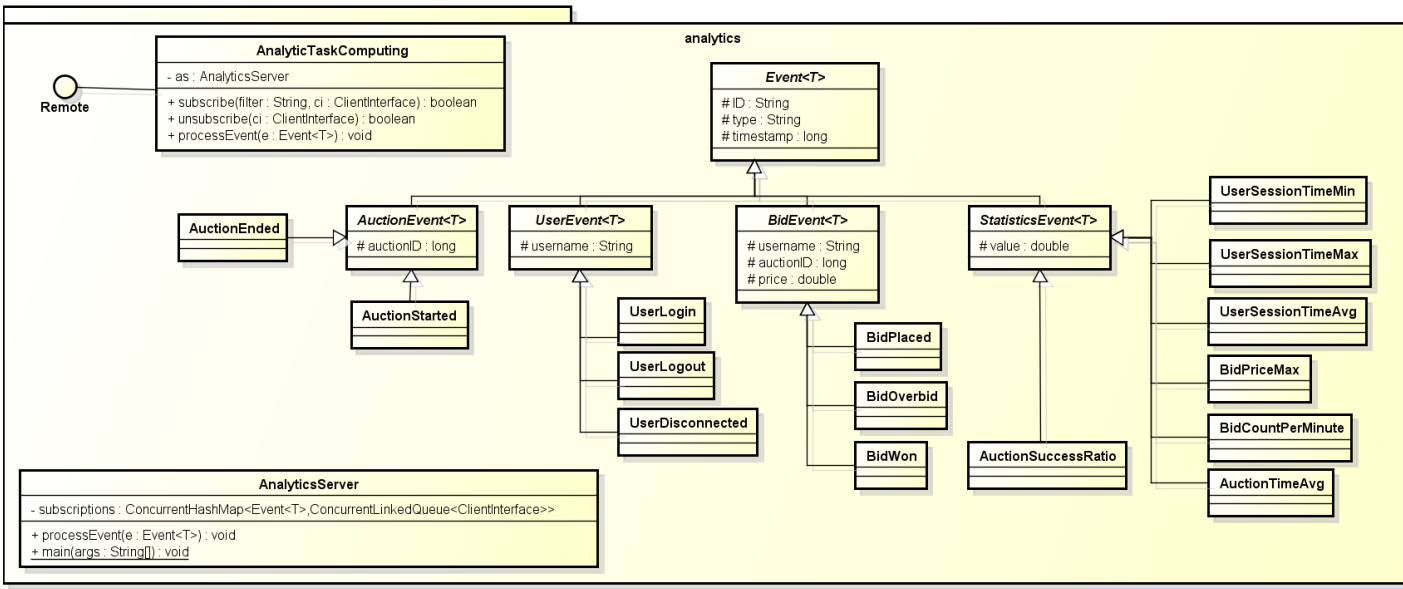

act Management Logout
Logout
[Fehler]
[Erfog]
Fehlermeldung
Erfolgsmeldung
Ausgeloggt


act Step bearbeiten
Step beabeiten
[!deleteStep]
[!createStep]
Step löschen
Step erstellen
[Fehler]
[Fehler]
Fehlermeldung
Fehlermeldung
[Erfolg]
[Erfolg]
Erfolgsmeldung
Erfolgsmeldung

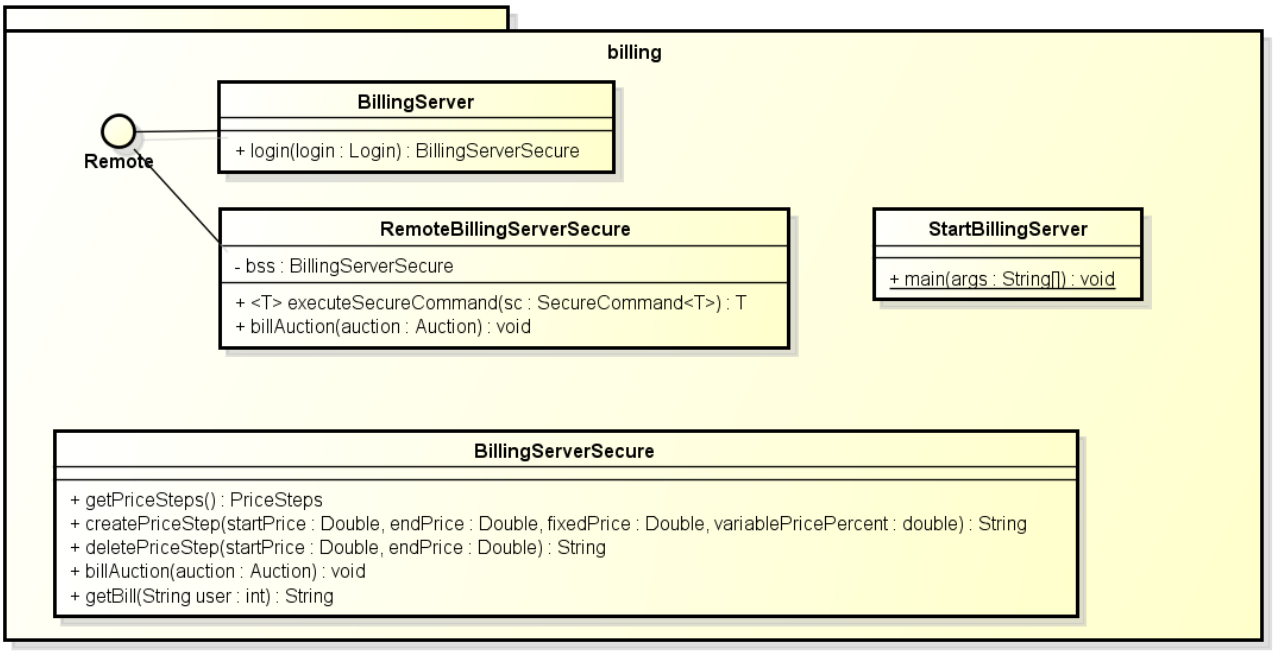

act Steps anzeigen
Steps anzeigen
[Keine Steps]
[Steps]
Fehlermeldung
Steps anzeigen

Klassendiagramme

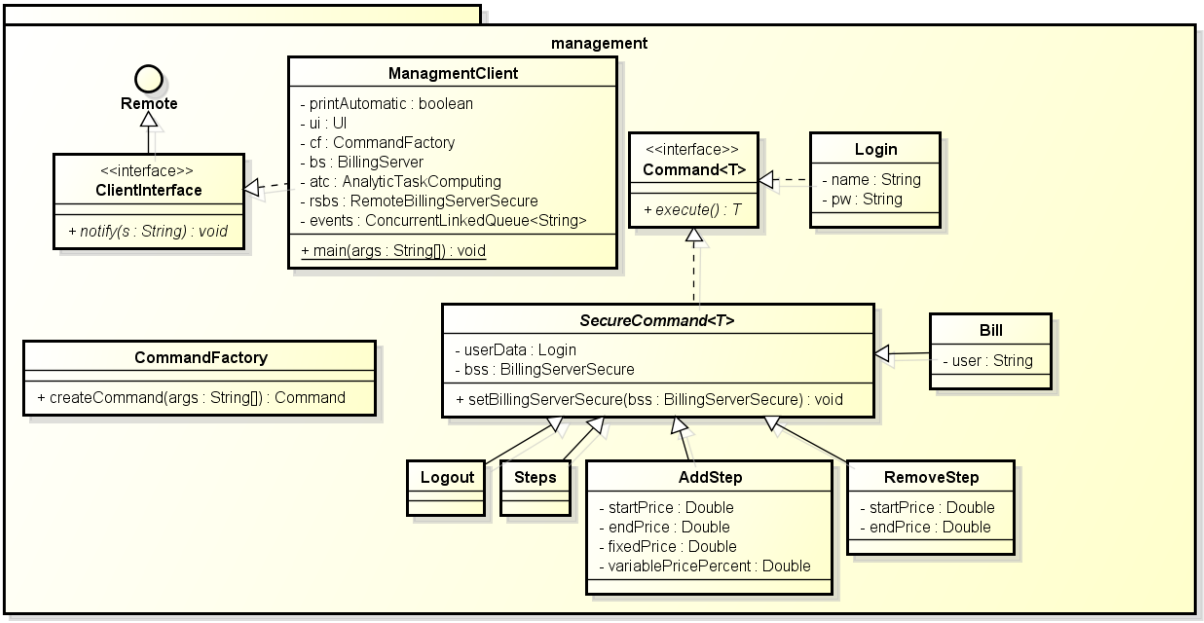
Analytic + Events



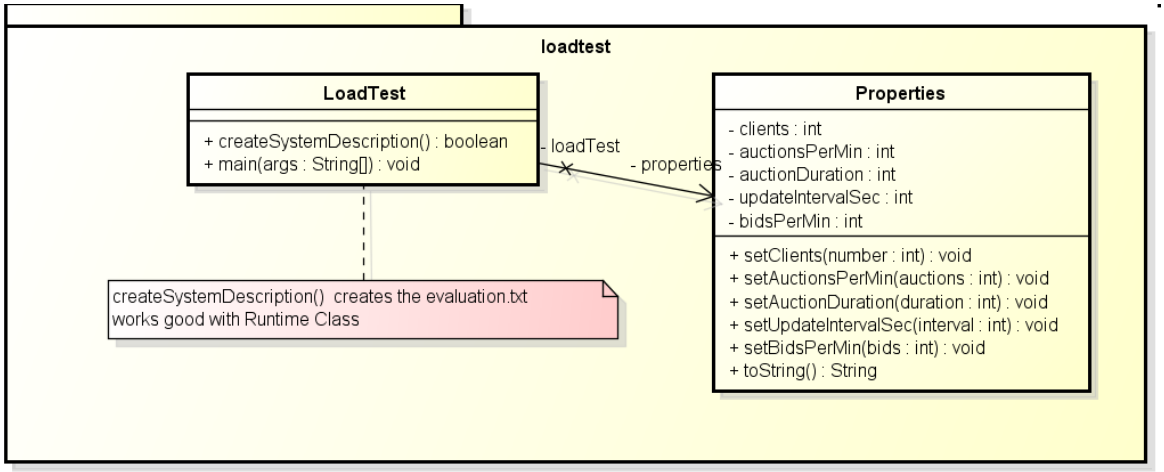
Billing



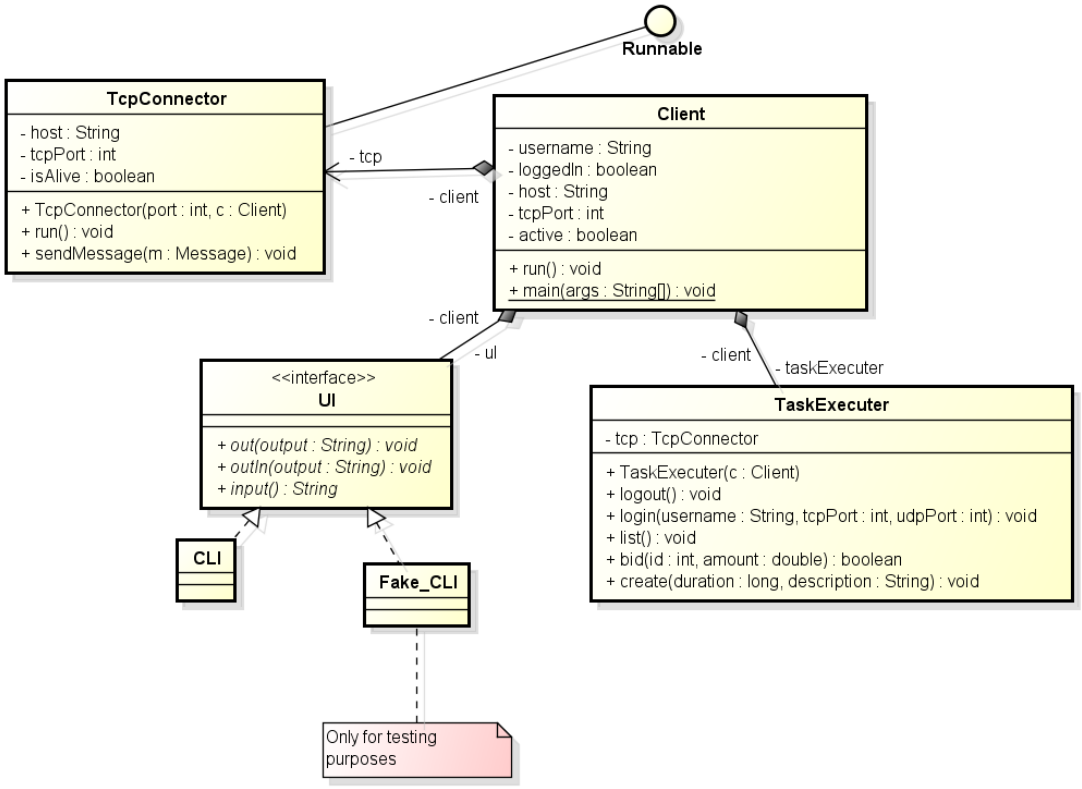
Managemenclient



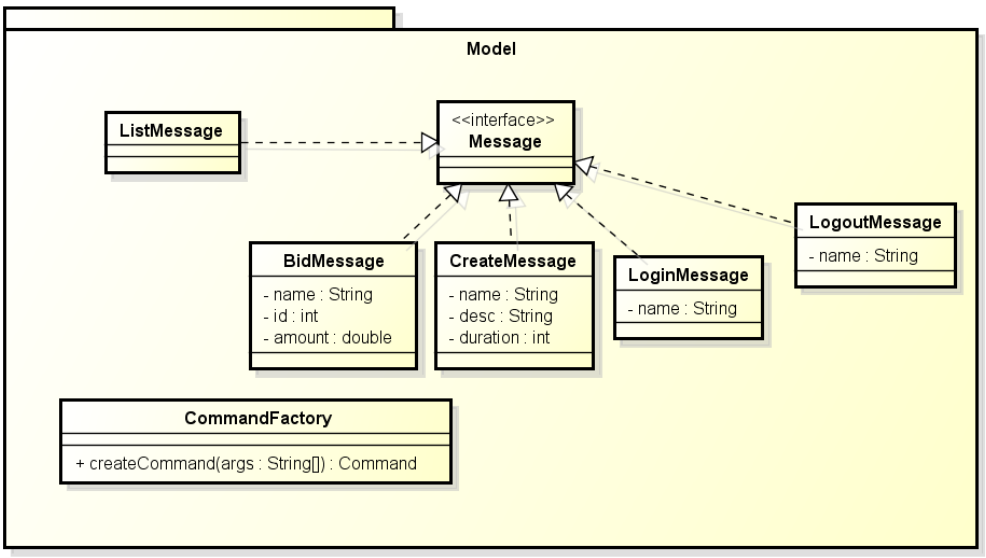
Testing Component



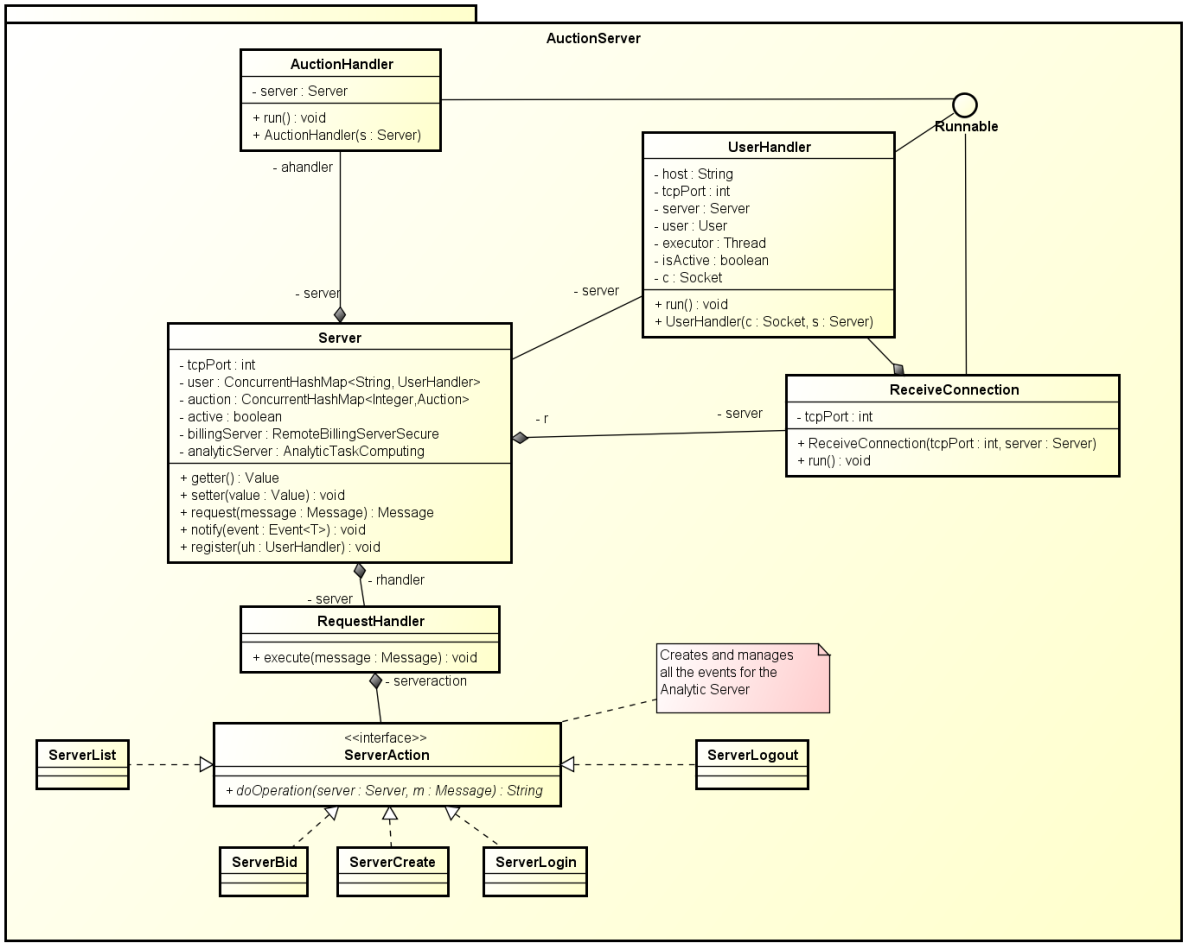
Client



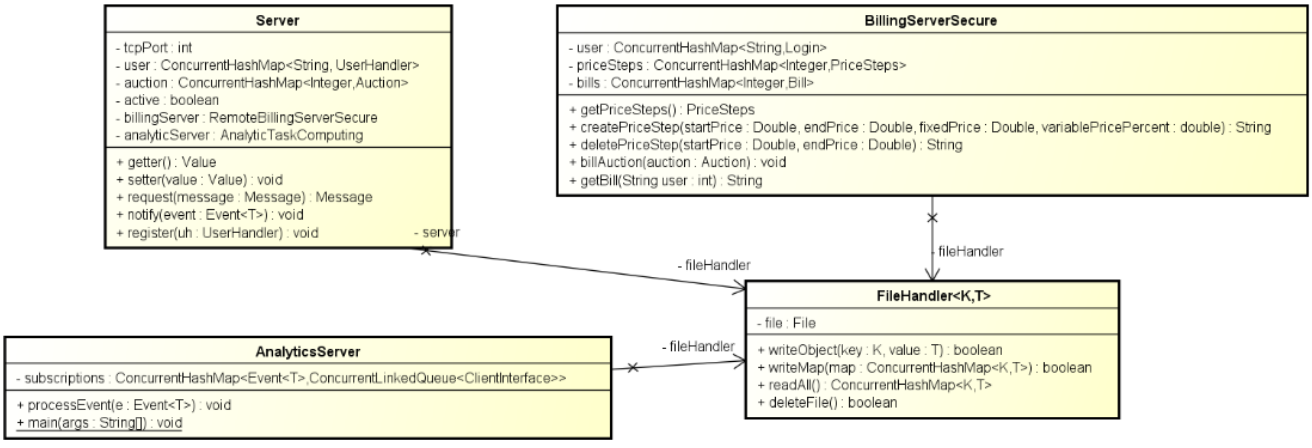
Message-Model



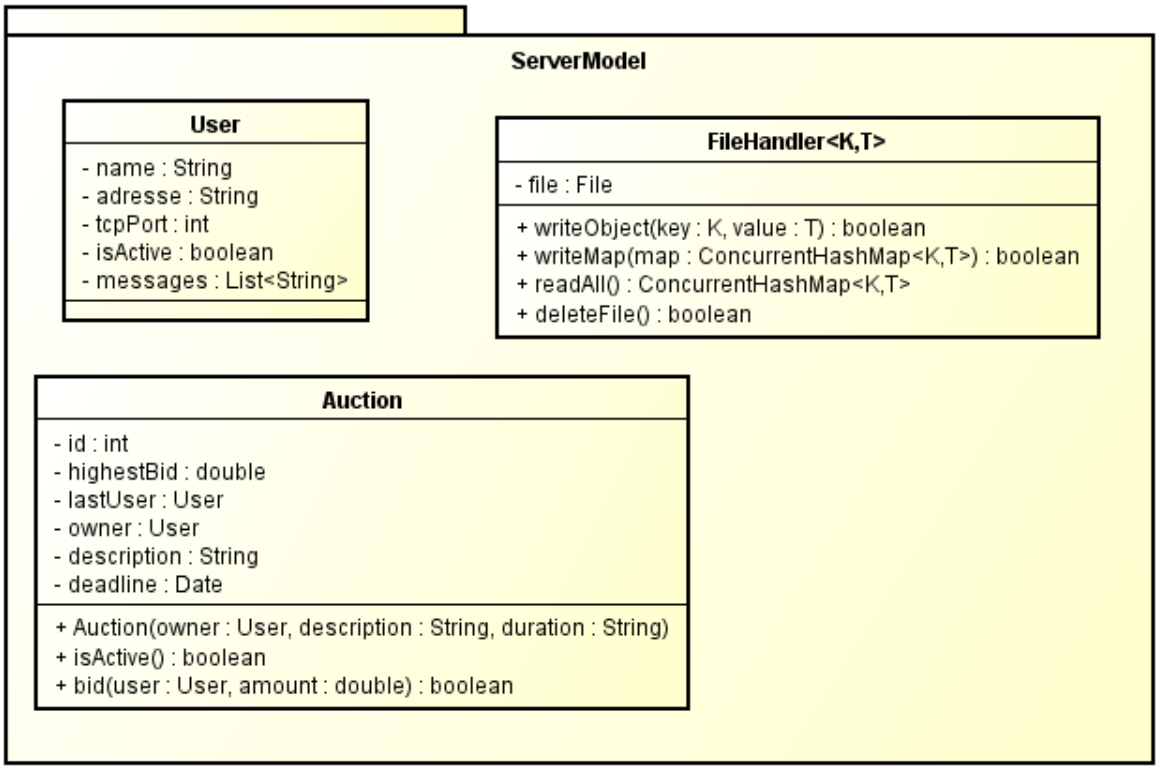
Server



FileHandler



Model Server



Zeitschätzungen und Arbeitsaufteilung

work package	Reichmann		Krepela		Lipovits		Tattyrek		Traxler	
	e.	r.	e.	r.	e.	r.	e.	r.	e.	r.
UML Klassendiagramm		1,5	2						2	4
UML Aktivitätsdiagramm					2,5	2				
UML Use-Case	1	0,5								
UML überprüfen							0,5			
Analytics-Server implementieren	6						3			
Billing-Server implementieren			6						4	
Management-Client impl.					3		3			
Testing Component impl.					4					
Model-Klassen (Events, Bill, Steps)							1,5			
File-Persistence							2			
Refactoring old Source	2	1,5							2	
RMI-Verbindungen implementieren	1,5								3	
RMI-Verbindungen testen			1						1	
Analytics Unit testen	2						2			
Billing Unit testen			2							
Management-Client Unit testen					2					
Testing Component Unit testen					2					
Protokoll	2	1	2		1		1		1	
total	14,5	4,5	13	0	14,5	2	13	0	13	4
sum	68						10,5			

Absprachen

-> Analytic Server

-> Billing Server (Frage GRAFIK?) schritte setzen, abrechnung erstellen -> keine persistenz

-> Testing Load Client (Viele Clients machen bids etc.)

-> Management Client (Befehle für Billing Server, Benachrichtungungen etc)

Altes Programm → List-> ConcurrentHashMap, Eigene Exceptions → UDP Notification brauchen wir nicht mehr

UML-Klassendiagramm → Krepela, Traxler

Aktivitätdiagrann → Lipovits

Use Case Diagramme → Reichmann

Checker → Tattyrek

Tasks:

- RMI-Verbindungen → Traxler
- Analytics Server → Reichmann, Tattyrek
- Billing Server → Krepela
- Management Client → Lipovits
- Testing Component → Lipovits
- Model →Tattyrek (Model JUnitTests)
- Ausbesssern alten Code → Traxler, Reichmann
- Ant,Protokoll → Reichmann

JEDER TESTET SEINEN TEIL + TECHNOLOGIEBESCHREIBUNG FÜRS PROTOKOLL!!!