

Lab Report 03

Assignment 03 - Sequence Diagrams and State Machine Diagrams

Authors: Dennis Loska, Tony Dorfmeister, Ai Dong 27.11.2017

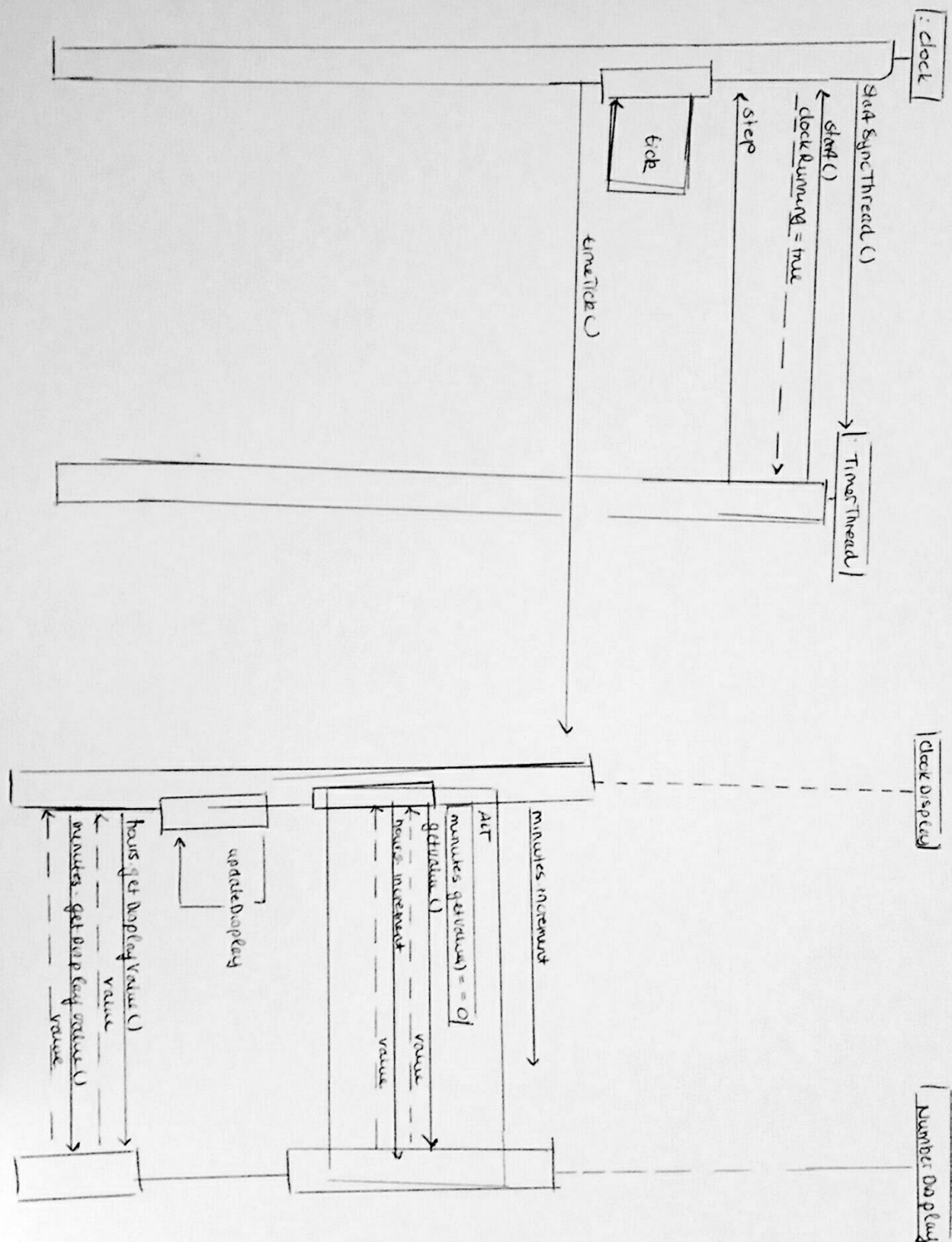
Part 1: Sequence Diagrams

Assignment

As a finger exercise for Sequence Diagrams, pick one of the following example projects from the first semester and draw a sequence diagram for the main use case:

- The Clock Display / Use case: timeTick() is called
- Auction / Use case: makeABid() is called
- Tech Support / Use case: user command is entered (start() method in SupportSystem)
- The Zuul Project / Use case: user enters command (method: play() in Game.java)

Von den obem gennanten Use Cases haben wir uns für **timeTick()** entschieden:

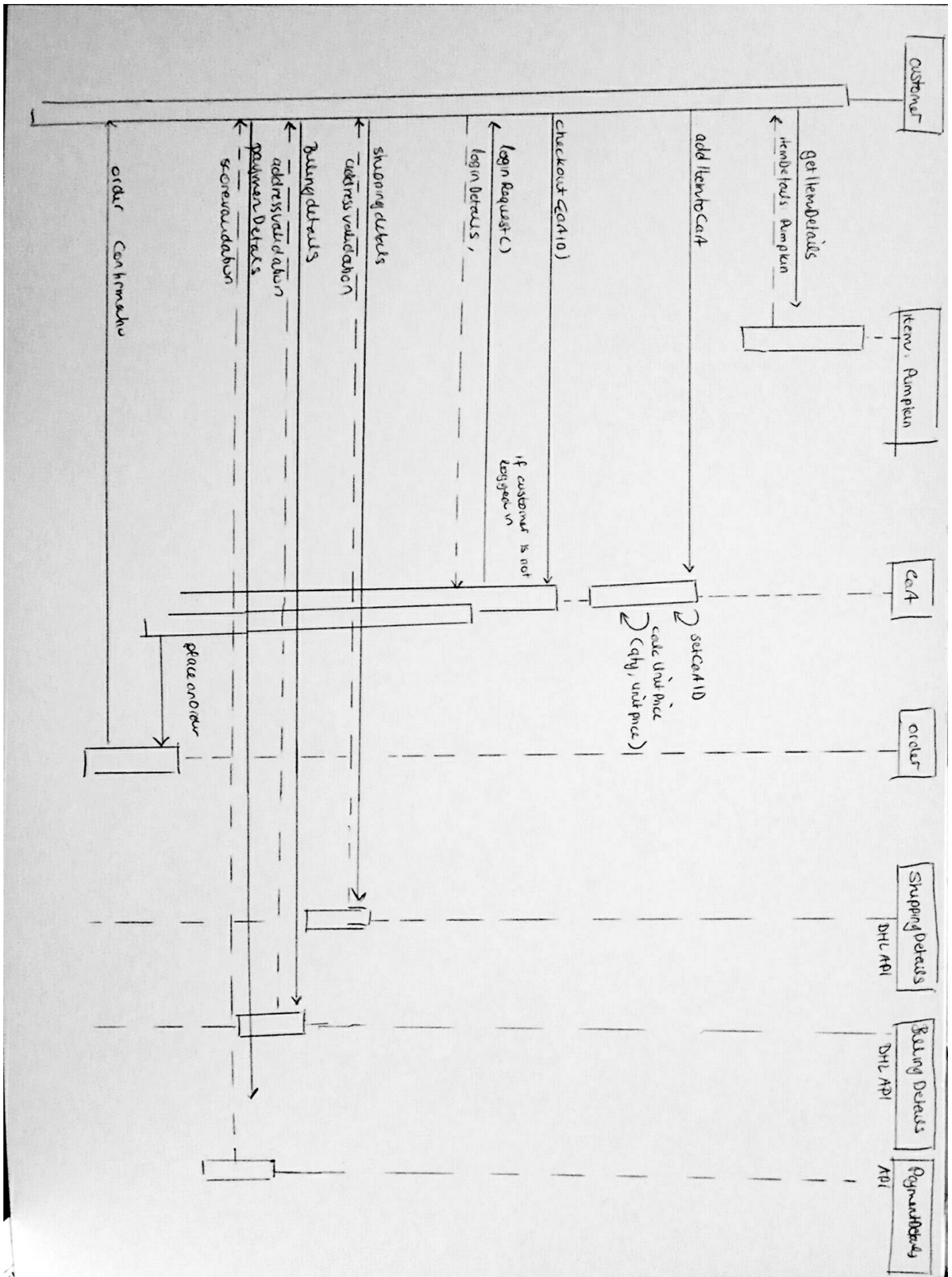


HIER KOMMT DEIN KONTENT REIN AI!!!!!!

Now take your scenarios from the second exercise and have a good look at them. There are a number of processes that you should have detailed in your scenarios - if not, now you learn how to be thorough :) You need to draw sequence diagrams for the following use cases:

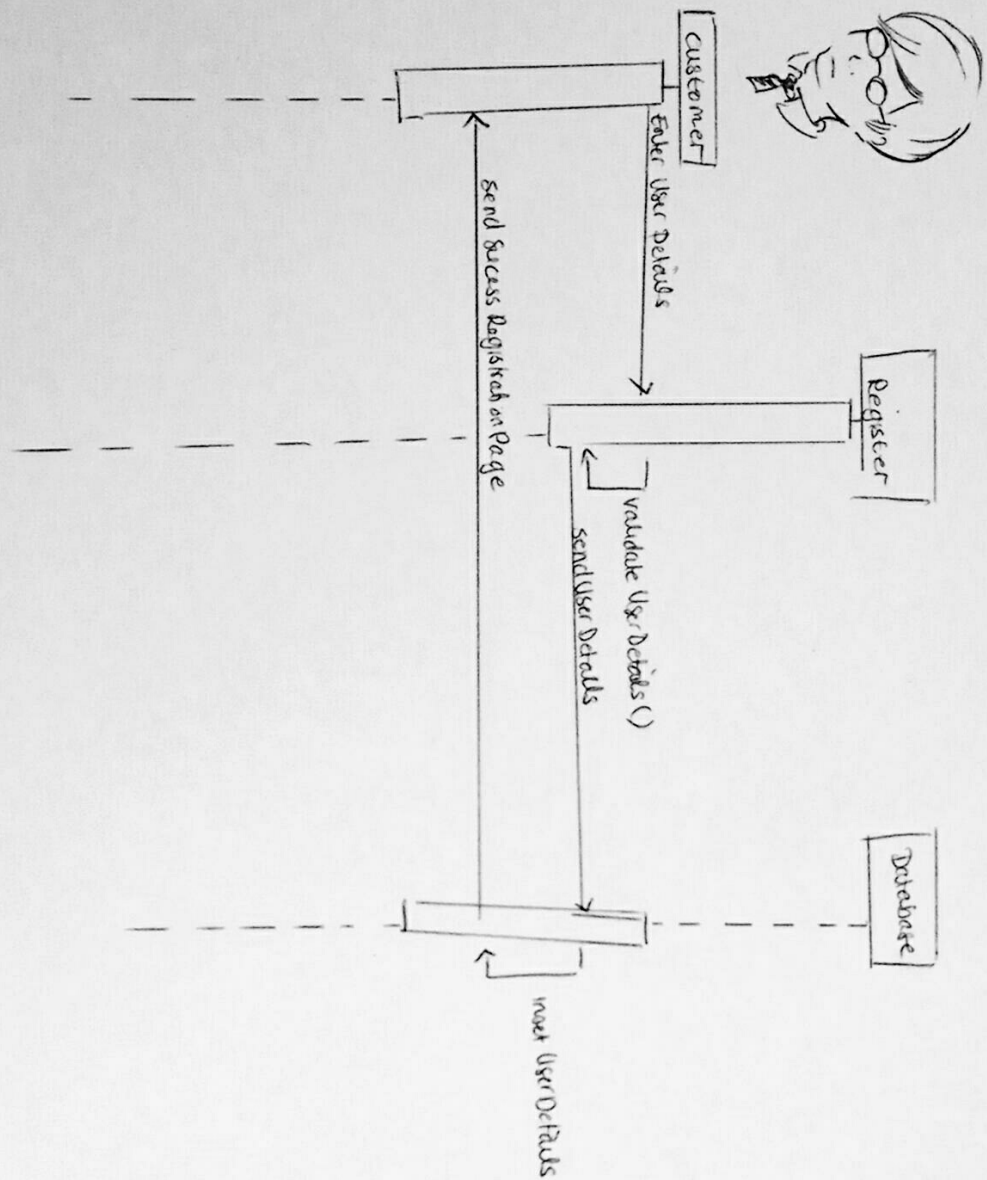
- Ordering a Pumpkin/Treat
- one other use case of your choosing

Ordering a Pumpkin/Treat



Registration at the HTW Shop

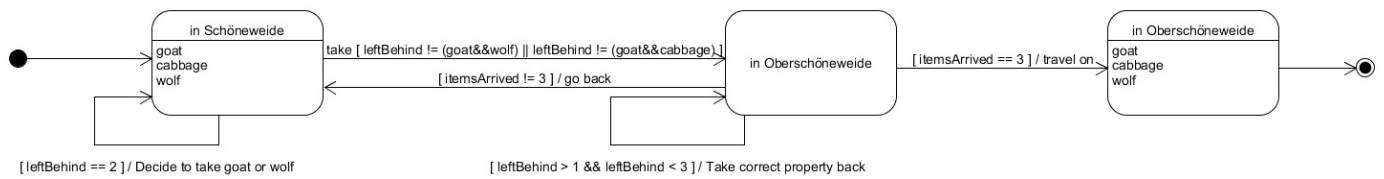
Neben dem Use Case "Ordering a Pumpkin/Treat" haben wir uns außerdem für ein Use Case entschieden, welches die Registrierung eines Users im HTW-Shop beschreibt.



HIER KOMMT DEIN KONTENT REIN AI!!!!

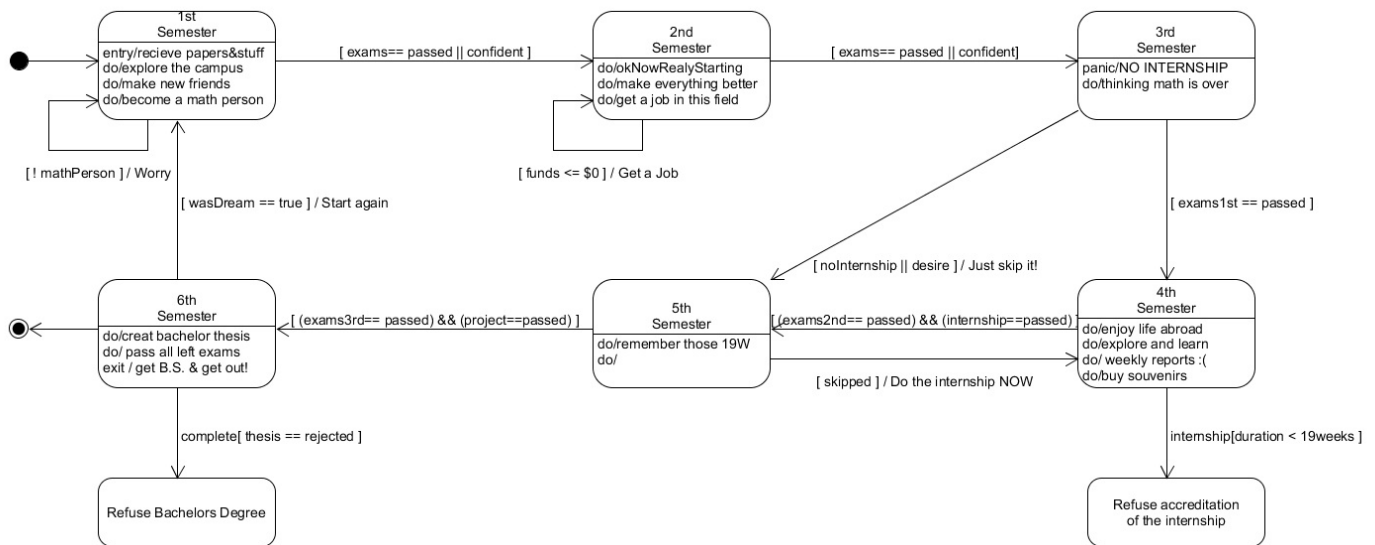
Part 2: State Machine Diagrams

Model the modified goat/cabbage/wolf problem: The farmer is in Schöneweide and wants to get his goat, his cabbage and his wolf over to Oberschöneweide. Only one thing can fit in his boat at a time beside himself. He cannot leave the cabbage and the goat or the goat and the wolf alone on the same side of the river, for obvious reasons. Is it possible for him to get all three possessions across the Spree? Draw a State Machine Diagram modelling both solutions to this problem.



Beschreibung folgt hier noch...

Model the states an IMI student passes through from the first until the sixth semester. (Special prize for the most humorous model that is not offensive.)



Beschreibung folgt hier noch...

Model the states of a parser that determines if a given string is a proper floating-point number.

HIER KOMMT DEIN KONTENT REIN TONY!!!!

Model the states a Pumpkin order in the HTW system can be in.

HIER KOMMT DEIN KONTENT REIN TONY!!!!