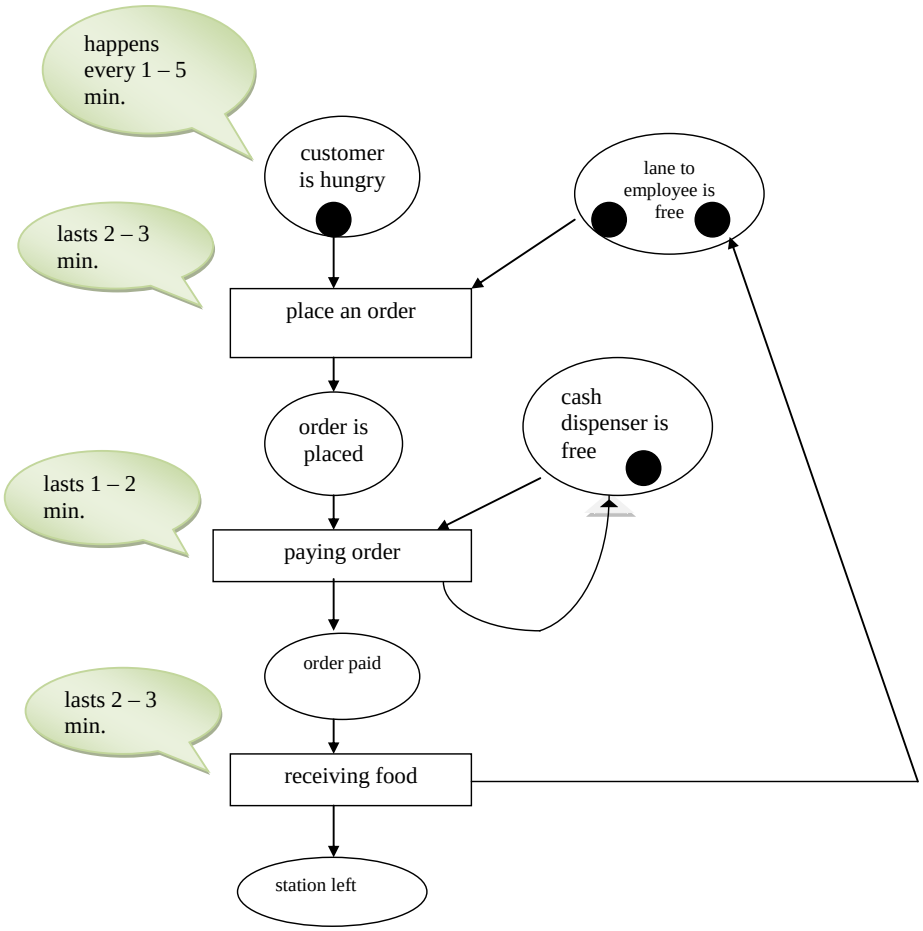
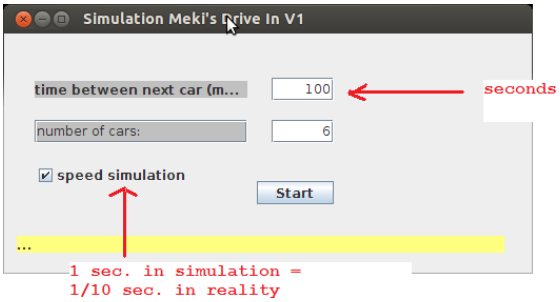
Overview
Simulation of a DriveIn – Feeding Station
Petri Net



User's view



To do

implementation of simulation
    generate a variable number of car drivers with hunger
    the time between arriving car drivers is also variable
appropriate output to console, that is
transparency,
every step / status is printed (example see user's view)

Protocoll (Example)

```
driver 1: hungry ==> arriving to Meki's DriveIn
driver 1: waiting for free lane
driver 1: driving on free lane                                  watch, that displays
driver 1: starts placing order                                  every 10 seconds
.....................................................................10
.....................................................................20
.....................................................................30
.....................................................................40
.....................................................................50
.....................................................................60
.....................................................................70
.....................................................................80
.....................................................................90
driver 2: hungry ==> arriving to Meki's DriveIn
driver 2: waiting for free lane
driver 2: driving on free lane
driver 2: starts placing order                                  after 100 sec. next car
.....................................................................100
.....................................................................110
.....................................................................120
.....................................................................130
.....................................................................140
driver 1: order placed (lasts: 150 sec.)                         after 150 sec. order placed
driver 1: waiting for cash dispenser
driver 1: starts paying
.....................................................................150
.....................................................................160
.....................................................................170
.....................................................................180
.....................................................................190
driver 3: hungry ==> arriving to Meki's DriveIn                  next 100 sec. next car
driver 3: waiting for free lane
.....................................................................200
.....................................................................210
.....................................................................220
.....................................................................230
.....................................................................240
driver 1: paying finished (lasts: 99 sec.)
driver 1: waiting for finished order
.....................................................................250
...and so on
.....................................................................390
driver 5: waiting for free lane
driver 1: food received (lasts: 155 sec.)
driver 1: leaving Mekis Drive In; total waiting time==>404
driver 3: driving on free lane
driver 3: starts placing order
.....................................................................400
.....................................................................410
...and so on, finally
driver 6: food received (lasts: 151 sec.)

driver 6: leaving Mekis Drive In; total waiting time==>349

.....................................................................1290

.....................................................................watch stopped
```

Class Diagram