

Modelling of Distributed Systems - Tutorial 5

28th June 2017

Exercise 1 Coordination

- (a) Draw an *activity diagram* for cash withdrawal from an cash machine (ATM).
- (b) Draw a *condition event net* diagram for the above description of an ATM.
- (c) Describe an *event trace* for the above condition event net.
- (d) (Homework) Convert the above condition net diagram to a *predicate transition network* (Petri-net).

Exercise 2 Execution

- (a) Draw a *sequential interaction diagram* for an airline booking website. Assume that the website consists of a client-side application and a server side.
- (b) (Homework) Extend the above execution to include other modes of transport, viz. train, bus and rental cars.

Hint: Remember to use the `create()` and `destroy()` methods where necessary.