Assignment 02 exercises

some@itu.dk

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1 C-sharp part

Link to github repo: https://github.com/Soplight/Csharp-assignments

2 Software Engineering part

2.1 Exercise 1

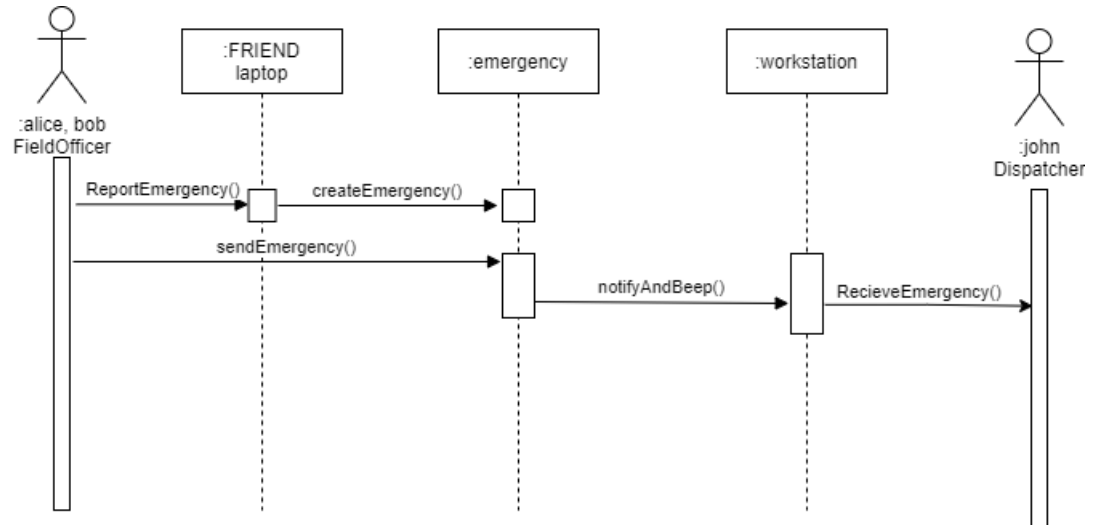#### 2.1.1 What is the difference between a scenario and a use case? When do you use each construct?

A scenario describes the usage of a single feature of the system from the viewpoint of a single a user or actor.

A use case however specifies all possible scenarios for a given piece of functionality of a system. It is initiated by an actor, and a use case may interact with other actors, compared to a scenario that only works with one. several scenarios can be instances of use cases.
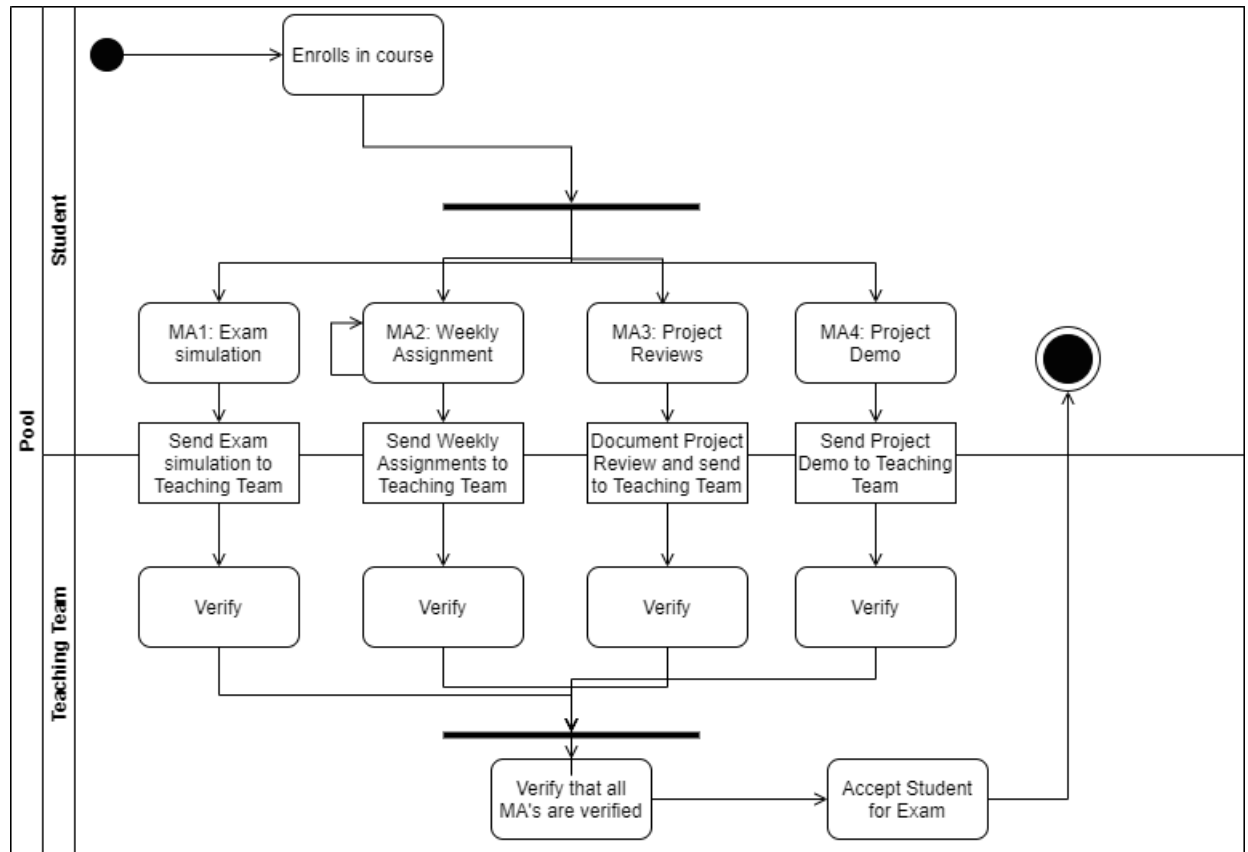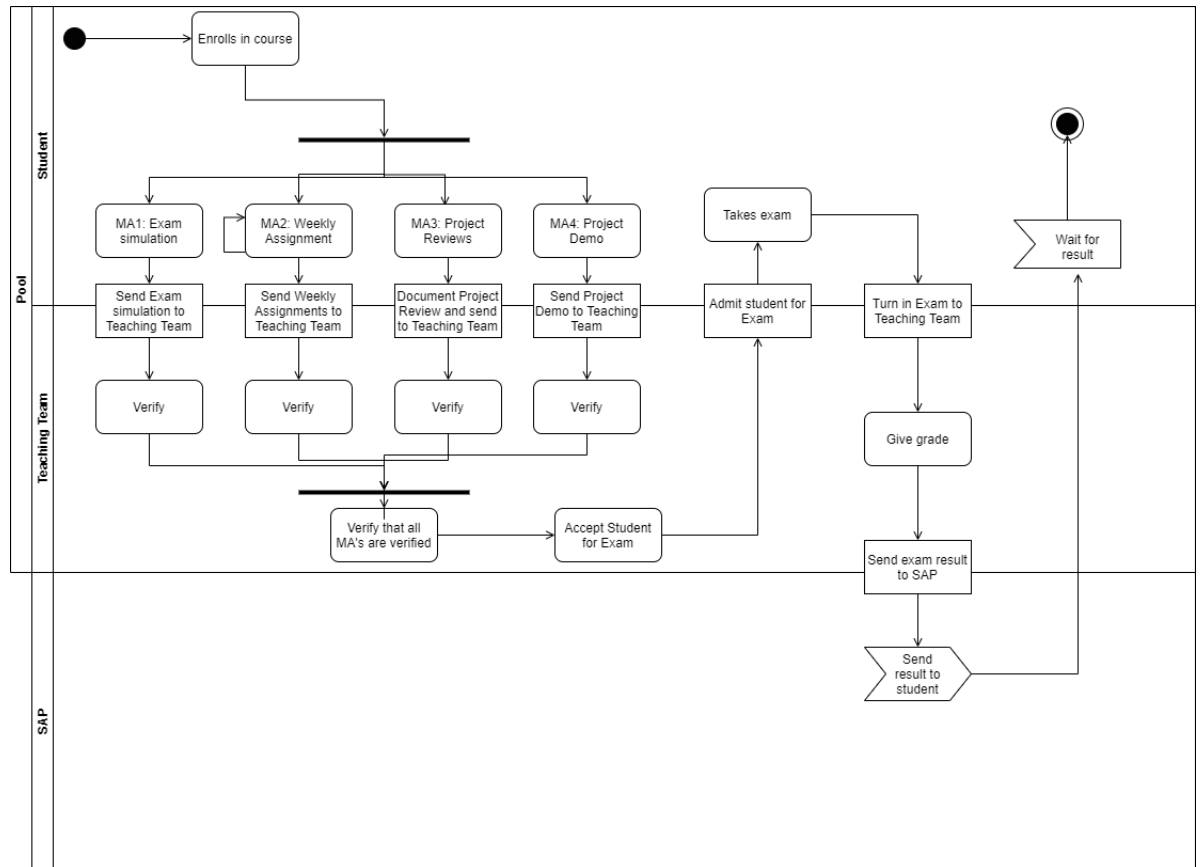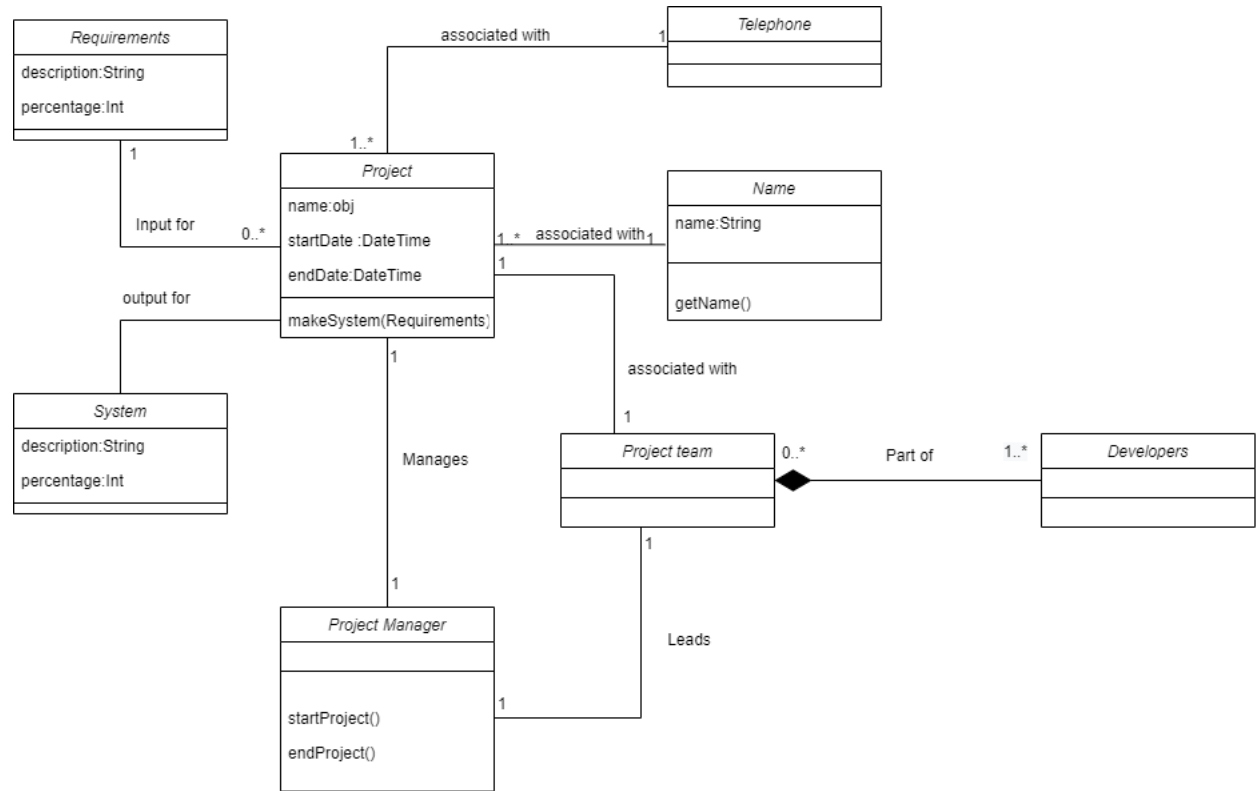
2.2 Exercise 2

2.3 Exercise 3

:alice, bob
FieldOfficer

:FRIEND
laptop

:emergency

:workstation

:john
Dispatcher

ReportEmergency()

createEmergency()

sendEmergency()

notifyAndBeep()

RecieveEmergency()

2.4 Exercise 4

2.5 Exercise 5

Student

- Enrolls in course
- MA1: Exam simulation
- MA2: Weekly Assignment
- MA3: Project Reviews
- MA4: Project Demo
- Takes exam
- Wait for result

Teaching Team

- Send Exam simulation to Teaching Team
- Send Weekly Assignments to Teaching Team
- Document Project Review and send to Teaching Team
- Send Project Demo to Teaching Team
- Verify
- Verify
- Verify
- Verify
- Verify that all MA's are verified
- Accept Student for Exam
- Admit student for Exam
- Turn in Exam to Teaching Team
- Give grade
- Send exam result to SAP

SAP

- Send result to student

Pool

2.6 Exercise 6

2.7 Exercise 7