# SYS report

1. **Semester project Spring 2018**

## Introduction

The focus of the project is to use an agile approach while developing a web application – a combination of XP and Scrum. The report must contain your reflections based on your experience with XP and Scrum.

## Formalities

The work must be done in groups of 4 students.

Each group will hand in a project of max. 20 pages (2.400 characters pr. page)

**Hand-in**: The report with a front page including name for each participant must be uploaded at latest

**28/05 2018 23.59** in WISEflow.

## The Report

### System development methods

You must discuss the choice of system development method based on a comparison of methods and relevant models for method selection!

**Scrum & XP**

You must document your reflections on your practical experience with the XP’s practices and Scrum artefacts, - meetings and - roles – see list below.

A good way to structure the report is to use the principle: Plan – Process – Reflection (PPR).

* + Plan – What do we intend to do?
  + Process – What did we do?
  + Reflection – What can we learn from this?

### Scrum artefacts

* + Product backlog
  + Sprint backlogs (optional: Burn down chart)

### Scrum Roles

* + Scrum master

### Scrum Meetings

* + Daily scrum
  + Sprint Planning meeting
  + Sprint Review meeting (acceptance test)
  + Sprint Retrospective

### XP Practices 1

* + Simple design
  + Testing
  + Collective Ownership
  + Refactoring
  + Continuous Integration
  + Pair Programming
  + Coding Standard

**Outsourcing**

Explain how the process with the freelancer went. Suggestions for topics

* How much did you spend? Satisfied with the amount spent?
* Where did you find your freelancer? Was it the right site to use?
* How was the process of finding the right person? Would you do anything differently next time?
* How was the communication process? Could it have been improved?
* What was delivered? Are you satisfied with the quality and was the delivery what you expected?
* Did you use milestone payments? Or was there a degree of trust between you and the freelancer?
* Overall conclusions on outsourcing – is it good/bad? Why? Would you do it again?

This is not a part of the report where you must document and prove what went on, instead we value analytic thoughts on the overall outsourcing process (PPR).

**Areas of knowledge & Experiments**

In the context of your project:

For each of the 6 areas of knowledge (Kensing) give at least one concrete example of knowledge that could be relevant to possess.

Describe an experiment:

If you did carry out an experiment in the project, describe it.

If you did not, then describe an experiment that would have been relevant and useful for you in the project.

## Evaluation criteria for this report

1. Scope of experience gained
2. Depth of reflections
3. Validity of arguments and conclusions
4. Ability to communicate in general

The code (source and test code) shouldn’t be handed-in. However, you may copy relevant snippets of code into the report where needed to underline a point. Other artefacts such as UML diagrams and sketches should be included where appropriate to support the text.

1 We have left out Metaphor and 40-hours week. On-site customer is replaced with Scrum’s Product Owner, a Planning Game is substituted with Scrum’s Sprint Planning meeting and Small Releases is substituted with Scrum’s Sprint Review meeting.