

# SOEN 342 Software Requirements Specifications

Fall 2020

## Assignment #1

Due date: October 16th, 2020 (by midnight)

Group Size: 3-4

Submission: Electronically through Moodle

**Product Vision (10%):** The goal of this and the following exercises is to develop a complete software requirements specification for a software product. The specification will be developed based on the Unified Process (UP) artifacts, with Use Cases as the main specification methodology.

You are free to select a software product of your choice; however, for the purpose of these assignments it should not be too simple (otherwise you will not get enough use cases out of it) but not too complex either. Also, avoid software products that are not well suited for use case-based modeling, as discussed in the lectures (e.g., software libraries). If in doubt, discuss your project with the TA/instructor!

In this assignment, you have to develop the following deliverables:

**Vision Document:** Develop the *Vision Document* for your selected product, based on the templates provided on Moodle. Refer to Chapter 16 in [LW] and Lecture #4 for background information on the Vision Document.

**Glossary:** Develop a *Glossary of Terms* for the key concepts in your application domain. Include at least 10–20 concept definitions (including possible synonyms).

**Important:** Do not leave any sections of vision document from the template empty; if they do not apply in your particular case, simply fill them in with “n/a”.

**Submission Format:** Create the specification using the provided templates. Then, upload a *PDF version* of your document to the Moodle site by the assignment deadline.

Note that this specification will be updated in the later assignments with additional requirements and specification information.

For the electronic submission details, as well as additional information (late submission penalties etc.), please refer to the course Moodle page.

**Evaluation:** Your marks will be based on the **completeness** and **quality** of your submission. Following is the evaluation rubric that you should consider while completing your vision document:

Evaluation item	Score
Spelling, grammar and overall document organization	5%
Comprehensive problem description	5%
Complete and consistent glossary of terms	10%
Inclusive list of stakeholders and their responsibilities	10%
Precise and clear system boundary	10%
Assumptions, their rationales and necessary technical details	15%
Completeness of the set of supported Features and the needs they fulfill	15%
Comprehensive market rivalry analysis and sufficiency of problem statement's different alternative solutions or options	20%
Other product requirements	10%

For questions on the assignment, please contact the TA or instructor or use the Moodle discussion forum.