

# CptS 322 Software Engineering Principles I

Spring 2023

## Project Milestone 2

(Due February 21, 2023 on Canvas)

### Milestone Description:

*Identify your stakeholders, and discover the actual needs of your customers.* In essence, you are starting with a problem from the customer's point of view and elaborating that into a set of requirements for an improved or entirely new system. This process is complicated by the fact that you have no product to show your potential customers. But, ultimately, you are trying to understand the customer's current work and pain points, which points the way to requirements. Also, every potential customer will have his or her own ideas, which may conflict with the ideas of other. Moreover, your potential customers may (should!) have a different background than you, complicating the communication process. Do not lose track of the fact that you must not only satisfy the customers of your product, but also those who are supporting your project.

The requirements should be recorded in a way that they are easily accessible and analyzable in future stages (e.g., pictures, scenarios, stories). Your methods should be documented. More specifically, describe the requirements in terms of **scenario-based elements of the requirements model**. You will **identify the preliminary use cases, elaborate them and finally document the work products**. Your team will deliver a PDF including detailed **use case diagrams along with formal description of each use case**.

NOTE: There is a big, but perhaps subtle, difference between customer requirements and product design. The customer requirements phase is about *understanding the customer's problem*, their pain. The product design phase is about the *solution* to the customer's problem.

### What to submit:

A single PDF, where you:

1. Describe the stakeholders of your project.
2. Draw the use case diagram, indicating relationships between use cases, and relationships between actors (if you have multiple actors).
3. Formally describe each use case following the use-case table template.

### Submission note:

- Only one submission (supposed by the contact person) is required for each team.
- Diagrams must be produced by a professional UML tool; no hand-drawing is accepted. (In your submission, clarify which tool you used for producing the diagram)