

CptS 322 Software Engineering Principles I

Spring 2023

Project Milestone 3

(Due March 14th, 2023 on Canvas)

Milestone Description:

Further *clarify customer requirements by identifying the class-based elements* of the requirements model. This milestone focuses on data modeling after understanding and describing high-level use scenarios in the previous milestone.

Your team will deliver a PDF including all **class diagrams, package diagrams, and CRC index cards** with each diagram being complete (having the *three elements* included) and the entire diagrams being complete (having *relationships specified*).

For clarifying requirements, you could develop a prototype of the software at this point.

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. For when you do the class modeling, think about **what** again (e.g., which operations and attributes for each class, what kind of relationship between classes, etc.), not **how** yet (e.g., how each operations will be realized).

What to submit:

A single PDF, where you include:

1. class diagrams, package diagrams, and CRC index cards, indicating all relationships between classes,
2. with all diagrams drawn using a professional tool (**no hand-drawing** is accepted)

(Note: regularly update your project repository to manage versions of any work products, not just the code.)

Submission note:

Only one submission is required for each team. The contact person may be in charge of submitting it to Blackboard.