

# CS205 – Definition of problem and design proposal statement

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This is the first major submission for your group project, and forms the basis of the group project for the rest of semester. The submission is one per group. It should be in PDF format.

Your submission should have the following breakdown:

- Team members' names.
- A transcript of the customer meeting from class.
- Definition of problem:
  - A one-sentence problem definition, based on the customer meeting.
  - A one paragraph (max 5 simple sentences with max 5 commas) description of the problem in your own words.
  - The user stories that you teased out of your transcript.
  - For the user stories, there is no enforced page count, but your materials should fully capture the user, what you think you know about the problem at this point, and your response to (or perception of) this knowledge. It is expected that you will build upon and revise your user stories from the previous deliverable.
  - This part of the document is all about the user – this is not a place to interject other beliefs.
- Design proposal statement:
  - This will be no more than two pages, in 10-point font, 1 inch margins, and 1 line spacing ("line height" in Lucidchart).
  - This is a first attempt at determining what your group will provide as a solution to the customer's problem, without hyperbole.
  - The focus of the document should be an expansion of the user stories into broad, general requirements.
  - It should include two use cases on a use-case diagram (pick two of your requirements that provide a good opportunity to practice diagramming). These do not factor into the text page count, but should be referred to in the text.
  - If you feel like you still have little idea about how to make a use case diagram
    - Locate a PDF version of the second book on the reading list (Miles, R., & Hamilton, K. (2006). Learning UML 2.0: A pragmatic introduction to UML.) and have a quick look over ch. 2.
    - Reread Dennis ch. 4
    - Watch this [Lucidchart Use Case Tutorial](#) (13:23)
  - There should also be some "small" mention of what you would like to highlight in your design.