

This is the first of five assignments that you will complete over the course of the semester:

**1: Requirements Draft (10% of homework grade)**

2: Final Requirements and Requirement-Based Tests (25%)

3: Design Draft (15%)

4: Final Design and Implementation (25%)

5: Testing (25%)

Each assignment is graded over a series of categories. You will be judged on a scale of 1-4 for each criterion, where a 1 corresponds to a 60%, a 2 corresponds to 75%, a 3 corresponds to 90%, and a 4 corresponds to 100%. If there is no work for a criterion or it is clear that even a minimal amount of effort was not put in, you will receive a 0% for that section of the assignment.

The following is a tentative grading rubric for Assignment 1. This may change before final grading, but gives criteria to aim for with your submission.

**Organization (15%):**

<b>4</b>	Have a good organization including a logical layout, requirements grouped by similarity, all sections present, requirements formatted to be easily understood, uses good grammar, and has a single voice. No irrelevant data (i.e., made up "satisfaction numbers").
<b>3</b>	Most sections present, layout mostly logical, and requirements are easily understood. Lacks single voice and has some grammar issues.
<b>2</b>	Missing some sections, illogical layout, and requirements are hard to understand. Lacks a single voice, many grammar issues
<b>1</b>	Missing major sections, layout illogical, and requirements are not readable. Hard to read and understand.

**Use Cases (40%):**

<b>4</b>	Captures core usage scenarios of BILL system. Present and well formatted diagram. Descriptions are clear. System boundary and actors are clear and correct both in diagram and document.
<b>3</b>	Some mistakes in UC diagram or descriptions. Missing system boundary descriptions or actors incorrect. Internal activities discussed in description.
<b>2</b>	UC is unclear and incorrect in several areas.

<b>1</b>	UC mostly incorrect..
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**Requirements (45%):**

<b>4</b>	All major system functionality captured. Accounts for error cases. Requirements sufficiently complete and detailed enough to implement. Requirements are not contradictory.
<b>3</b>	Most system functionality captured, or error cases are not accounted for. Lacking in detail.
<b>2</b>	Missing some major functionality including, missing error cases, or incorrect descriptions of functionality (not up to date with elicitation). Requirements barely detailed, are ambiguous, or are contradictory.
<b>1</b>	Missing most functionality. Generally unable to determine what system is supposed to do. Lack of detail sufficient to be unable to implement software.



