Informatics 43, Spring, 2016

Homework 1

Peter Anteater

**SubDo Requirements Specification**

**Introduction**

Contains an overview of the software development project and the planned new product. This section typically describes the main objectives of the software, provides a software product overview, and summarizes business and financial objectives. Make sure you remove this sample text, and the sample texts for the following sections, from the homework you turn in. And replace “Peter Anteater” with your name!

**Description of the problem**

In this section, describe why the software is needed, and identify any important unresolved questions.

**Use Cases**

In this section (not from Appendix B, Example 4), list without diagrams several use cases that SubDo addresses. Follow the style of the following examples:

Customer – orders food and drink

BusBoy – wipes tabletop

Waiter – fills water glass

Waiter – returns change

**Description of the software solution**

This section is the heart of the specification document. It clearly describes the proposed software product, including its capabilities and attributes. You do not need to organize this section into subsections i through vii as suggested by the example in the Appendix, but you may do so if you like. You may omit sections (for example, “standards and regulatory considerations”) that do not apply to SubDo. You may give boldface titles to subsections, in the same style as above.

Do *not* describe details of the user interface, such as “button in the upper left corner” or “press Ctrl-S to save” or “choose from a drop down box”. Instead, focus on the functionality that the system will offer.

Do *not* use a table to list features and functional capabilities. The table format encourages incomplete sentences and incomplete thoughts. A table format hides the structure of the software features – each line seems equally important, and it is hard to see how features are grouped together.