Title
Software Engineering

Lecture Topics Emphasized
Software Engineering

Introduction
In this lab, you will gain experience writing some documentation for software project, using the software engineering knowledge you gained from the lecture. After going through the steps of documenting the project, you will then implement it.

Description
Following the waterfall method of software development, there are a number of documents that will be written. Since this is a lab, we will consolidate all of these into a single document, but you will have separate parts of the document to represent each part in the software engineering model.

To give you some direction on the project, I am providing you with the concept document. You then need to write up the high-level requirements, technical specifications, detailed design document, testing document, and deployment document. This should take you most of the time allotted for lab, but if you still have more time, you can implement the project based on your documents.

The important topic I hope you gain from this lab is figuring out what belongs in each document. For example, there should not be anything related to language or platform included in the high-level requirements or technical specifications. Those are design decisions, and should not be included until the detailed design. If you have questions, do not hesitate to ask.

Concept
I would like to develop an application that allows students to enter their class schedule into the program and have it generate a table showing the times each day he has class. It would be great if this could be a web application.

Here are the documents you need to complete:

High-Level Requirements
Technical Specifications
Detailed Design
Testing
Deployment

<u>Grading Criteria</u>

Labs are not graded based on any given criteria but are instead graded on effort and attendance. If you arrived to lab within the first 10 minutes and worked on it the for the entire duration of the lab, you will receive full credit regardless of whether you completed it. TAs will not grade labs until after at least half the lab period has elapsed. Use the lab time as an opportunity to more fully understand the course material and ask your TA questions.