

SWEN 6301: Assignment #1

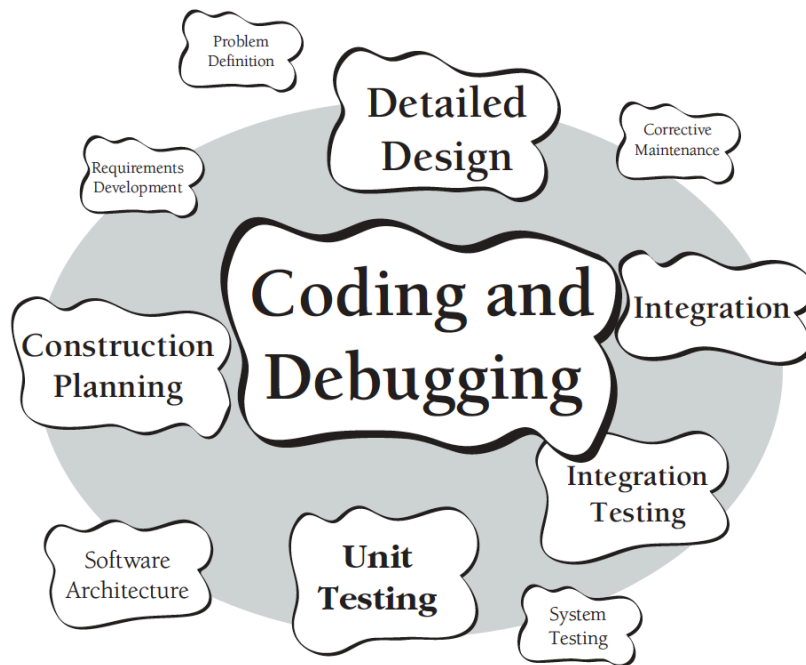
Due on September 29, 2018 at 2:00 PM (noon)

Instructor: Ahmed Tamrawi

Student Name:

Problem 1

Software construction involves the development of high-quality code that is clean, extensible, maintainable, scalable and secure. The software construction process spans multiple aspects of the software development process as shown in the figure below.



Your task is to write on the techniques, technologies, methodologies, and tools used for each of the software construction aspects. If you are currently employed, you can shed the light on the techniques and tools used in your employer company. If you are not employed, you can write on the techniques and tools you use for your freelancing job or do your research on one of the most successful companies: Google, Apple, etc. The goal of this assignment is to give you an idea and overview of the available tools and techniques used for each of the software construction aspects and how they integrate into the whole construction process.