

Assignment-5 (TDD)

Overview

This is a short assignment, but an important one. If you give this some thought, and then apply it to the next assignment and all future programming assignments, you will find that programming—and CS438 as a whole—is a lot more fun.

Goals

This assignment has the following goals:

1. Learn how to tackle a programming assignment incrementally.
2. Learn the basics of test-driven development(TDD).
3. Prepare to do all future programming assignments..

Requirements:

Discuss and answer the following questions..

1. What is Test Driven Development (TDD)?
2. What are the important principles of TDD?
3. Why use TDD and what are the benefits?
4. What are the drawbacks of TDD?
5. (Optional) write test cases for a method of your project!.
 - a. Description of the method (functional requirement)
 - b. Test cases

Grading:

Your work will be graded based on whether the content of your PDF appears to be unambiguous, clear, and complete.

Writing Style

Your writing should meet the following criteria:

- Typed in Microsoft Word (or equivalent application) using 1-inch margins, 12 pt Times New Roman font, double-spaced.
- Be written in standard academic English/Arabic without "chat-speak", txtng-style abbreviations, or emoji (unless used for emphasis or as part of your argument).

Submission instructions:

1. **Blackboard:** **(100 points)**
 - a. A pdf file, titled “**Assignment-YourName-5(TDD).pdf**”, contains answers to the above questions.