

Software Quality Assurance CSSE 351

Spring 2022

Assignment 1 Description

Problem Statement: You need to write at least five automated test cases using unit testing framework of any language of your choice. You also need to create a testing suite. All the test cases should be executed individually and also under one test suite. You can use any programs / software system of your choice for testing e.g. Junit for Java code, PYunit for Python code, PHPUnit for PHP code, etc.

Submission requirements and deadline

- You should develop your **assignment 1** using any unit testing framework for your language of choice.
- All the **helping material** for assignment 1 (unit testing) is available in folders under week 8.
- The **assignment 1** should be submitted in a folder of your course GitHub repository as explained at the start of the course. The link of the repository should be submitted in a word file at the Moodle.
- The deadline for the **assignment 1** is **Saturday 14th May, 2022**.
- This is an individual assignment. You are not allowed to work in groups for this assignment.
- The **total marks** for this assignment are **fifteen (15)**.

Grading Criteria

- Writing automated test cases using any unit testing framework of your choice: 5 marks.
- Running the test cases successfully to show pass / fail results: 5 marks.
- Writing a test suite that includes all the automated test cases: 2 marks.
- Writing a test report with screenshots of all the test cases and programs used for testing: 3 marks.

Note: Any submission after the deadline will be graded with “0”.