Assignment 2

CS321 Winter 2023, Professor Christopher Diggins

Overview

This assignment involves practicing writing algorithms focusing on lists and arrays. We are doing this by starting with a set of unit tests, and each unit test has to be made to pass.

Your assignment is to fill out the functions in the project "X" so that the given tests pass. If 100% of the unit tests pass you will get a bonus point. If 80% or more of the unit tests pass, you will get a point. Do not change the unit tests.

Do not use any system libraries except for:

- IList<T>.Count
- IList<T>.Add()
- IList<T>.[]
- IList<T>.[]
- IReadOnlyList<T>.Count
- IReadOnlyList<T>.[]
- object.Equals()
- object.ToString()
- IComparable<T>.CompareTo()

Submission

1. Screen shot of test results as PNG (show all results, using multiple screen shots if necessary)
2. Source code file (Assignment2.cs)
3. Unit tests file (UnitTests.cs)

Grading Criteria

1. Tests passing – **5 points** (half points rounded up)
2. Follow the Style Guidelines – **2 points**
3. All functions implemented – **1 point**
4. Reuse of functions – **1 point**
5. No usage of system libraries – **1 point**
6. Bonus (logic operators) – **1 point**
7. Bonus (all tests pass) **– 1 point**
8. Total: **10 Points + 2 Bonus Points**