|  |  |
| --- | --- |
| Correct Seal Colors | Northeastern University  CS 5500 – Managing Software Development  Spring, 2018 – Professors Annunziato and Weintraub |

Grading for Homework 4: Testing

|  |  |
| --- | --- |
| Student Name: | Tanvi Ranadive |
| Repo name: | Student-229 |
| Repo commit date | Mar 16 |
| Graded by | Yasaman Ahrabi |
| Total Score | 96.5 |

|  |
| --- |
| **1a: (10 points)** |
|  |
| **1b: (10 points)** |
| +1 If any of the following inputs are provided (all negative cases): NULL, MAXINT, or ‑MAXINT, or any cases with bad data types (e.g. float, char, string). |
| **1c: (10 points)** |
| +1 \* 2 = +2 (Max of 2) For each test case (all negative cases) that includes: **NULL**, a long string, a **string without digits** (ideally 10 characters), and a string with non-printable characters. |
| **2a For the method sqrt (5 pts)** |
|  |
| **2b For the method sqr (5 pts)**  +1 if any of the following inputs are provided (all should be an exception): some other negative int, NULL, some int > 46340, some int < −46339, mis-typed input (char, string...). |
| **2c For the method factorial (5 pts)**  -1 for each positive test case missing these values on the input: 0, 1, **12** (assuming 32 bits) or **20** (assuming 64 bits).  -1 for each negative test case missing these values on input: **13** (assuming 32-bit int) or **21** (assuming 64 bit int).  +1 if any of the following inputs are provided: mis-typed input (char, string...) (negative case), negative int (negative). |
| **3 Evaluate a test specification (20 pts)** |
| -3.5: for the following cases:   1. **If the answer doesn't suggest the pair {-MAX\_INT, -1} and label it as Underflow.** 2. **If the answer doesn't suggest the pair {-1, -MAX\_INT} and label it as Underflow.**   -0 warning: the answer doesn't suggest NULL for one or both of the inputs (three cases). |
| **4 Create a suite of at least 20 tests.** |
| -3 the tests do not cover lists of user-defined types (e.g., a class Person) with multiple elements. |
| **5. Create two different implementations of the Sorter interface (20 pts)** |
| **6. structural testing coverage** |