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| **Test Cases for Project A** | | |  |  |  |  |
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| Test Case  ID | Test Case  Description | Inputs | Test Steps | Expected Results | Actual Results | Matched (Yes/No) |
| TC1 | Enter valid distance  and valid unit | distance: 5 originalUnit: i wishUnit: f | 1. Enter 5 2. Enter i 3. Enter f | 15 i = 45 f | 15 i = 45 f | Yes |
| TC2 | Enter 0 as distance  and valid unit | distance: 0 originalUnit: i wishUnit: f | 1. Enter 0 2. Enter i 3. Enter f | 0 i = 0 f | 0 i = 0 f | Yes |
| TC3 | Enter valid distance and invalid unit | distance: 10 originalUnit: ii wishUnit: ff | 1. Enter 10 2. Enter ii 3. Enter ff | 10 ii = 30 ff | 10 ii = 30 ff | Yes |
| TC4 | Enter negative number and valid unit | distance: -100 originalUnit: i wishUnit: f | 1. Enter -100 2. Enter i 3. Enter f | -100 i = -300 f | -100 i = -300 f | Yes |

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| **Test Cases for Project B** | | |  |  |  |  |
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| Test Case  ID | Test Case  Description | Inputs | Test Steps | Expected Results | Actual Results | Matched (Yes/No) |
| TC5 | Enter valid distance and capitalized  unit letter | distance: 1 originalUnit: I wishUnit: F | 1. Enter 1 2. Enter I 3. Enter F | 1 I = 3 F | 1 I = 3 F | Yes |
| TC6 | Enter valid distance and capitalized  first letter of unit | distance: 2 originalUnit: Feet wishUnit: Inches | 1. Enter 2 2. Enter Feet 3. Enter Inches | 2 Feet = 6 Inches | 2 Feet = 6 Inches | Yes |
| TC7 | Enter valid distance and lowercase  unit letter | distance: 3 originalUnit: i wishUnit: f | 1. Enter 3 2. Enter i 3. Enter f | 3 i = 9 f | 3 i = 9 f | Yes |
| TC8 | Enter valid distance and lowercase  unit | distance: 4 originalUnit: feet wishUnit: inches | 1. Enter 4 2. Enter feet 3. Enter inches | 4 feet = 12 inches | 4 feet = 12 inches | Yes |

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| **Test Cases for Project C** | | |  |  |  |  |
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| Test Case  ID | Test Case  Description | Inputs | Test Steps | Expected Results | Actual Results | Matched (Yes/No) |
| TC9 | Enter valid distance and valid unit | distance: 120 originalUnit: i wishUnit: f | 1. Enter 120 2. Enter i 3. Enter f | 120 i = 10 f | 120 i = 10 f | Yes |
| TC10 | Enter valid distance and first invalid  unit | distance: 5 originalUnit: ii | 1. Enter 5 2. Enter ii | Catch ArgumentException and showed the exception message coded in ModifyInput method "Incorrect Conversion Unit" | Catched ArgumentException and showed the exception message coded in ModifyInput method "Incorrect Conversion Unit" | Yes |
| TC11 | Enter valid distance, first valid  unit, and second invalid unit | distance: 6 originalUnit: i wishUnit: ff | 1. Enter 6 2. Enter i 3. Enter ff | Catch ArgumentException and showed the exception message coded in ModifyInput method "Incorrect Conversion Unit" | Catched ArgumentException and showed the exception message coded in ModifyInput method "Incorrect Conversion Unit" | Yes |
| TC12 | Enter valid distance and capitalized  first letter of unit | distance: 7 originalUnit: Yards wishUnit: Feet | 1. Enter 7 2. Enter Yards 3. Enter Feet | 7 Yards = 21 Feet | 7 Yards = 21 Feet | Yes |