Test Cases for Project A

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

Test Cases for Project B

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

Test Cases for Project C

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