Black Box Test Plan: DataConverter program

Introduction: Each test case below assumes the **DataConverter** program is running and that the instructions for running the program have been displayed for the user. The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C.

Test Files: (List each test file below. Submit each file when you submit your project)

HINT: The Unix diff command may be used to tell whether or not two files are identical. For example,
`diff 15-457.ot exp_15-457.ot`

Test ID	Description	Expected Results	Actual Results
testIncorrectExtension Author: Dr. Balik	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/134-80.xy** (Ctrl+C to stop execution)	Invalid filename Enter filename or Q to quit:	Invalid filename Enter filename or Q to quit:
testQuit Author: Dr. Balik	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **Q**	Program quits.	Program quits.

testInputFileNotFound Author: Dr. Balik	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/notafile.us**	test-files/notafile.us (No such file or directory) Enter filename or Q to quit:	test-files/notafile.us (No such file or directory) Enter filename or Q to quit:
testOutputFileExists Author: Dr. Balik	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/exists.us**	test-files/exists.ot exists - OK to overwrite (y,n)?:	test-files/exists.ot exists - OK to overwrite (y,n)?:
testOutputFileNotOver written Author: Dr. Balik	Check timestamp on exists.ot **ls -l test-files/exists.ot** Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/exists.us** test-files/exists.ot exists - OK to overwrite (y,n)?: **n** Enter filename or Q to quit: **q** Recheck timestamp **ls -l test-files/exists.ot**	Date and time for test-files/exists.ot has not changed	Date and time for test-files/exists.ot has not changed

testOutputFileOverwritten Author: Dr. Balik	Check timestamp on exists.ot **ls -l test-files/exists.ot** Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/exists.us** test-files/exists.ot exists - OK to overwrite (y,n)?: **y** Enter filename or Q to quit: **q** Recheck timestamp **ls -l test-files/exists.ot**	Date and time for test-files/exists.ot has changed	Date and time for test-files/exists.ot has changed
testConvertName32degreesToOtherFormat Author: Dr. Balik	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test1.us**	test1.ot is created in the test-files directory. test1.ot is exactly the same as exp_test1.ot: James Brown 00.00.0000 0.00 0.00 0.00	test1.ot is created in the test-files directory. test1.ot is exactly the same as exp_test1.ot: James Brown 00.00.0000 0.00 0.00 0.00

testConvertName0degreesToUSFormat Author: Dr. Balik	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test2.ot**	test2.us is created in the test-files directory. test2.us is exactly the same as exp_test2.us: Brown, James 00/00/0000 0 0 32.00	test2.us is created in the test-files directory. test2.us is exactly the same as exp_test2.us: Brown, James 00/00/0000 0 0 32.00
testConvertNameDateToOtherFormat Author:Jamea Speight	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test3.us**	test3.ot is created in the test-files directory. test3.ot is exactly the same as exp_test3.ot: James Brown 20.08.1999 0.00 0.00 -17.78	test3.ot is created in the test-files directory. test3.ot is exactly the same as exp_test3.ot: James Brown 20.08.1999 0.00 0.00 -17.78
testConvertNameDateToUSFormat Author: Jamea Speight	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test4.ot**	test4.us is created in the test-files directory. test4.us is exactly the same as exp_test4.us: Brown, James 08/20/1999 0 0 32.00	test4.us is created in the test-files directory. test4.us is exactly the same as exp_test4.us: Brown, James 08/20/1999 0 0 32.00
testConvertName50lbsToOtherFormat	Preconditions: DataConverter program started	test5.ot is created in the test-files directory.	test5.ot is created in the test-files directory.

Author: Jamea Speight	**HEADER** Enter filename or Q to quit: **test-files/test5.us**	test5.ot is exactly the same as exp_test5.ot: James Brown 00.00.0000 0.00 22.70 0.00	test5.ot is exactly the same as exp_test5.ot: James Brown 00.00.0000 0.00 22.70 0.00
testConvertName22.70kgToUSFormat Author: Jamea Speight	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test6.ot**	test6.us is created in the test-files directory. test6.us is exactly the same as exp_test6.us: Brown, James 00/00/0000 0 50 32.00	test6.us is created in the test-files directory. test6.us is exactly the same as exp_test6.us: Brown, James 00/00/0000 0 50 32.00
testConvertName63InToOtherFormat Author: Jamea Speight	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test7.us**	test7.ot is created in the test-files directory. test7.ot is exactly the same as exp_test7.ot: James Brown 00.00.0000 160.02 0.00 0.00	test7.ot is created in the test-files directory. test7.ot is exactly the same as exp_test7.ot: James Brown 00.00.0000 160.02 0.00 0.00
testConvertName160.02CMToUSFormat Author: Jamea Speight	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test8.ot**	test8.us is created in the test-files directory. test8.us is exactly the same as exp_test8.us: Brown, James 00/00/0000 63 000 0.00	test8.us is created in the test-files directory. test8.us is exactly the same as exp_test8.us: Brown, James 00/00/0000 63 000 0.00

testConvertName467degreesToOtherFormat Author: Jamea Speight	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test9.us**	test9.ot is created in the test-files directory. test9.ot is exactly the same as exp_test9.ot: James Brown 00.00.0000 0.00 212.00 0.00	test9.ot is created in the test-files directory. test9.ot is exactly the same as exp_test9.ot: James Brown 00.00.0000 0.00 212.00 0.00
testConvertName212degreesToUSFormat Author: Jamea Speight	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: **test-files/test10.ot**	test10.us is created in the test-files directory. test10.us is exactly the same as exp_test10.us: Brown, James 00/00/0000 0 467 32.00	test10.us is created in the test-files directory. test10.us is exactly the same as exp_test10.us: Brown, James 00/00/0000 0 467 32.00
testConvertLargeFileToOtherFormat Author: Dr. Balik	Preconditions: DataConverter program started **HEADER** Enter filename or Q to quit: test-files/15-457.us	15-457.ot is created in the test-files directory. 15-457.ot contains exactly the same content as exp_15-457.ot	15-457.ot is created in the test-files directory. 15-457.ot contains exactly the same content as exp_15-457.ot

| testConvertLargeFileTo USFormat

Author: Dr. Balik | Preconditions: DataConverter program started

HEADER
Enter filename or Q to quit:
test-files/21-843.ot | 21-843.us is created in the test-files directory.

21-843.us contains exactly the same content as exp_21-843.us | 21-843.us is created in the test-files directory.

21-843.us contains exactly the same content as exp_21-843.us |
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