

System Test Plan: Grader program

Introduction: The text in bold in the **Description** column represents the test inputs.

Test Files: (List each test file below.)

Test ID	Description	Expected Results	Actual Results
testTooFewArgs Author: Dr. Balik	\$ java -cp bin Grader	Usage: java -cp bin Grader {-o -s} infile outfile Program quits.	Usage: java -cp bin Grader {-o -s} infile outfile Program quits.
testInvalidFlag Author: Dr. Balik	\$ java -cp bin Grader -x test-files/CSC101-003.txt test-files/CSC101-003-Grades.txt	Usage: java -cp bin Grader {-o -s} infile outfile Program quits.	Usage: java -cp bin Grader {-o -s} infile outfile Program quits.
testInputFileAccess Author: Dr. Balik	\$ java -cp bin Grader -o test-files/XYZ-004.txt test-files/XYZ-004-Grades.txt	Unable to access input file: test-files/XYZ-004.txt Program quits.	Unable to access input file: test-files/XYZ-004.txt Program quits.
testOutputFileCreation Author: Dr. Balik	\$ java -cp bin Grader -s test-files/CSC101-003.txt notadirectory/CSC101-003-Grades.txt	Cannot create output file Program quits.	Cannot create output file Program quits.
testSixGradesThreeStudentsOverall Author: Dr. Balik	\$ java -cp bin Grader -o test-files/CSC101-003.txt test-files/CSC101-003-Grades.txt	CSC101-003-Grades.txt is the same as exp_CSC101-003-Grades.txt	CSC101-003-Grades.txt is the same as exp_CSC101-003-Grades.txt
testSixGradesThreeStudentsSummary Author: Dr. Balik	\$ java -cp bin Grader -s test-files/CSC101-003.txt test-files/CSC101-003-Summary.txt	CSC101-003-Summary.txt is the same as exp_CSC101-003-Summary.txt	CSC101-003-Summary.txt is the same as exp_CSC101-003-Summary.txt

Test ID	Description	Expected Results	Actual Results
testNineGradesFourStudentsOverall Author: Anthony Du	\$ java -cp bin Grader -o test-files/CSC201-001.txt test-files/CSC201-001-Grades.txt	CSC201-001-Grades.txt is the same as exp_CSC201-001-Grades.txt	CSC201-001-Grades.txt is the same as exp_CSC201-001-Grades.txt
testNineGradesFourStudentsSummary Author: Anthony Du	\$ java -cp bin Grader -s test-files/CSC201-001.txt test-files/CSC201-001-Summary.txt	CSC201-001-Summary.txt is the same as exp_CSC201-001-Summary.txt	CSC201-001-Summary.txt is the same as exp_CSC201-001-Summary.txt
testEightStudentsSixGradesOverall Author: Anthony Du	\$ java -cp bin Grader -o test-files/CSC301-001.txt test-files/CSC301-001-Grades.txt	CSC301-001-Grades.txt is the same as exp_CSC301-001-Grades.txt	CSC301-001-Grades.txt is the same as exp_CSC301-001-Grades.txt
testEightStudentsSixGradesSummary Author: Anthony Du	\$ java -cp bin Grader -s test-files/CSC301-001.txt test-files/CSC301-001-Summary.txt	CSC301-001-Summary.txt is the same as exp_CSC301-001-Summary.txt	CSC301-001-Summary.txt is the same as exp_CSC301-001-Summary.txt

CSC101-003.txt

...
ID,Name,P1,P2,P3,T1,T2,FE
,,10,10,10,20,20,30
1289,Alice Chang,90,86,92,78,100,95
9087,Robert Jones,89,78,95,88,97,76
8789,Jack Patel,100,90,87,92,98,80
...

CSC201-001.txt

...
UnityID,Name,P1,P2,P3,P4,P5,E1,E2,E3,FE
,,5,5,5,5,5,15,15,15,30
dallen,Dan Allen,90,86,92,78,100,95,87,96,99
aferry,Avent Ferry,89,78,95,88,97,76,99,67,77
ppark2,Pullen Park,100,90,87,92,98,80,52,63,79
ddpark,Dorothea Dix Park,100,100,100,100,100,100,100,100,100
...

CSC301-001.txt

...
Name,Group Number,Lab 1,Lab 2,Lab 3,Lab 4,Lab 5,Final Exam
,,15,15,15,15,15,25
A,1,64,56,54,77,100,35
B,1,89,12,35,78,91,11
C,2,67,39,-10,32,12,99
D,2,23,92,12,14,37,100
E,3,100,90,87,92,99,0
F,3,100,100,100,105,23,88
G,4,100,90,87,99,99,99
H,4,15,15,15,15,15,25
...