All Test Cases for Tuition Manager GUI.

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Should return Incorrect txt file if studentlist.txt file is not chosen.	● Click load from file button and choose an incorrect txt file.	Incorrect txt file.
2	Should return Students loaded to the roster. if studentlist.txt file is chosen.	● Click load from file button and choose correct studentfile.txt.	Students loaded to the roster.
3	All the Roster and School/College print menu buttons should return Student roster is empty when roster is empty.	● Click on any of those menu buttons when student roster is empty.	Student roster is empty!
4	Print by profile on a non empty roster should print students in roster sorted by last name, first name, DOB.	● Have students in roster already. ● Then click on print by profile menu button.	Print students in roster sorted by last name, first name, DOB.
5	Print by school and major on a non empty roster should print students in roster sorted by school, major.	● Have students in roster already. ● Then click on print by school, major.	Print students in roster sorted by school, major.
6	Print by standing on a non empty roster should print students in roster sorted standing.	● Have students in roster already. ● Then click on print by standing.	Print students in roster sorted by standing.
7	Print by any of the shcool/college on a non empty roster should print students in roster in that specific school.	● Have students in roster already. ● Then click on any of the school options in Print.	Prints all student in the roster in that school.
8	The two print enrollment options should return	● Click on any of those menu buttons when student enrollment is empty.	Enrollment is empty!

		Enrollment is empty.		
9	Print by enrolled students should print enrolled students list.	- Have non empty enrollment list. - Click on print enrolled students.	Print enrollment showing student profile and credits enrolled.	
10	Print by tuition due should print enrolled students list with tuition due displayed.	- Have non empty enrollment list. - Click on print tuition due.	Print enrollment showing student profile and credits enrolled and tuition due.	
11	If first, last name, dob, and/or credits completed are empty then pressing add to roster button should return Missing input(s).	- Have at least one of those fields empty. - Click on add button.	Missing Input(s)	
12	If first, last name, and/or dob are empty then pressing remove from roster button should return Missing input(s).	- Have at least one of those fields empty. - Click on remove button.	Missing Input(s)	
13	If first, last name, and/or dob are empty, then pressing change major button should return Missing input(s).	- Have at least one of those fields empty. - Click on Change Major button.	Missing Input(s)	
14	If all inputs are correct and the add button is pressed the student should be added to the roster, as long as they are not already in it.	- Student already not in roster. - Inputs are correct/valid.	(Student) added to the roster.	
15	If all inputs are correct and the add button is pressed the student will	- Student already not in roster. - Inputs are correct/valid.	(Student) is already in the roster.	

	not be added to the roster if the student is already in the roster.		
16	If all inputs are present but the dob results in an age younger than 16 then dont add student to the roster.	● Have all inputs. ● Invalid date which results in student being younger than 16.	DOB invalid: (DOB) younger than 16 years old.
17	If all fields are not filled in the enroll/drop tab before enroll is clicked then an error should be displayed.	● Have atleast one of the fields be empty. ● Click on enroll.	Missing Input(s)
18	If any field except credits is not filled in the enroll/drop tab before drop is clicked then an error should be displayed.	● Have atleast one of the mentioned fields be empty. ● Click on drop.	Missing Input(s)
19	Enroll student to enrollment if all data is present and valid and student is in roster when enroll is clicked.	● Have all fields filled. ● Have valid data and appropriate credits. ● Have student in roster already.	(Profile) enrolled (Credit) credits
20	Do not enroll student to enrollment if all data is present and valid and student is not in roster when enroll is clicked.	● Have all fields filled. ● Have valid data and appropriate credits. ● Have student not in roster already.	Cannot enroll: (Profile) is not in the roster.
21	Do not enroll student to enrollment if all data is present and valid and student is in roster but the credits enrolled are invalid for student status when enroll is clicked.	● Have all fields filled. ● Have valid data but invalid credits enrolled. ● Have student in roster already.	(Student Status) (Credits): invalid credit hours.
22	Have valid info of student in enrollment and then click drop will	● Have all necessary fields filled. ● Have student in enrollment	(Profile) dropped.

	drop the student from the enrollment.	already.	
23	Have valid info of student in enrollment and then click drop will not drop the student from the enrollment if the student is not in enrollment already.	● Have all necessary fields filled. ● Have student not in enrollment already.	(Profile) is not enrolled.
24	Display error if missing any inputs in scholarship tab after clicking update scholarship amount.	● Have at least one of the fields be empty. ● Click update scholarship amount.	Missing input(s).
25	If student is not in roster when updating scholarship then display error.	● Have all fields filled. ● But that student is not in roster already.	(Profile) is not in the roster.
26	If student is in roster but is not a resident when scholarship button is pressed don't award scholarship.	● Have all fields filled. ● Student is not a resident.	(Profile) (Status) not eligible for the scholarship.
27	If student is in roster and is a resident but the award amount is invalid when button is pressed, don't award scholarship.	● Have all fields filled. ● Student is a resident but award amount is invalid.	(Award): invalid amount.
28	If student is in roster, is a resident, and the award amount is valid when scholarship button is pressed then award the scholarship.	● Have all fields filled. ● Student is a resident and award amount is valid.	(Profile): scholarship amount updated.
29	In Roster tab if credits completed is negative or not an integer display error also.	● Have negative, or non integer credits completed.	Error message will differ based on which of the scenarios

			happened.
30	Also in enroll/drop tab and the scholarship tab, if the credits enrolled or the scholarship amount are non integers there will also be a error message displayed.	● Have non integer for credits enrolled, or scholarship award amount.	Error message will differe based on which of the scenarios.
31	Semester end button will do the semester end command and print accordingly.	● Press semester end button.	Print list of students eligible for graduation.
32	Semester end button will be greyed out after one time usage.	● Have pressed Semester End menu button already once.	Menu button will be greyed out until program restart.