

Program 3 TestCase Document

	Description	Input	Expected Output	Status
	Test credit input: enter zero in credits text field. Will test if error is reported when zero is entered as input.	first: Rizwan last: Chowdhury credits: 0 Outstate Add	“Must Take Greater than 0 Credits”	Pass
	Test credit input: enter negative number into text field. Will test if error reported when negative number is inputted.	first: Rizwan last: Chowdhury credits: -1 Outstate Add	“Must Take Greater than 0 Credits”	pass
	Test funding input: enter negative number for funding and see if program will not add student and instead report the error. Will check with print button afterwards to see if student is added to list; should not be, and list should be empty.	first: Rizwan last: Chowdhury credits: 13 Instate Funding: -1 Add	“Student cannot have funds below zero” “- - Empty List - -”	pass
	Test credits and funding status: this case will test if error is reported when part time student is given funding and student is not added to list. Print button will be used afterwards and the list should be empty.	first: Rizwan last: Chowdhury credits: 11 Instate Funding: 100 Add	“Students taking fewer than 12 credits do not qualify for funding, please re-enter data and do not check the Funding button.” “- - Empty List - -”	pass
	Test credits and international student validity: an international student has to take 9 or more credits, this test case will test if student taking fewer than 9 credits is reported as bad input and student not added. Print button will be used and the list should be empty.	first: Rizwan last: Chowdhury credits: 7 International Exchange: yes Add	“Not enough credits for International Student, needs to have 9 or more. Could not add Student” “--Empty List—”	pass
	Test credits and international student validity: an international student has to	first: Rizwan last: Chowdhury credits: 9	“Added new student: Rizwan Chowdhury”	pass

	take 9 or more credits, this test case will test if student taking exactly 9 credits is added to the list.	International Exchange: yes Add		
	Test GUI button ADD: if ADD is pressed when any of first name, last name, or credits is empty there should be error and nothing should be added to the list. Print button will be used afterwards to test and the list should be empty. GUI should not crash. This block will cover each possibility. Also the student list will be empty when this test is being conducted.	-First name empty only. -Last name empty only. -Credits empty only. -First and Last name empty only. -First name and credits empty only. -Last name and credits empty only. *Type-specific input such as instate or etc. formatted properly.	-“First/Last name not inputted at all/in correct format.” Or -“Must Enter a value for credits.” and “- - EmptyList - -” upon pressing print *this is expected output for all 6 possibilities.	-pass -pass -pass -pass -pass
	Test GUI button REMOVE: if REMOVE is pressed when any/all of first and last name are not provided there should be an error message and nothing should be removed from the list. A dummy student will be in list and that will be the one REMOVE will try to remove, each time print should print the student’s details. This block will cover each possibility.	-First name missing -Last name missing -First and last name missing Student: First name: Rizwan Last name: Chowdhury Credits: 13 Outstate Tristate: yes	“First/Last name not inputted at all/in correct format.” and pressing Print outputs: “Rizwan Chowdhury: Credit: 13 Status: Outstate TristateArea: Yes Tuition Due: 8669” *This is case for all possibilities.	-pass -pass -pass
	Test GUI button REMOVE: if REMOVE is pressed when credits is missing or provided it should function as normal even if provided credits value does not match. Each time existing student should be removed (same student as above case) and list should be empty upon Print button press. This block will cover	-Credits is missing. -Credits is provided and correct. -Credits is provided and does not match what is in list. Same student as above will be used	“Removed student: Rizwan Chowdhury” Pressing print afterwards should show: “--Empty List--” *Output for all possibilities.	-pass -pass -pass

	each possibility. This case tests the fact that credit value has no impact on the removal process.			
	This will test Remove button and the Remove functionalities: when Remove is pressed while the list is empty there should be an error message and nothing else should happen.	Press Remove while no students, while entering in a first and last name	“Student list is empty, nothing to remove.”	pass
	This will test ADD button and the function of adding a student: when a student that already exists is inputted to be added, there should be an error message and no student should be added.	Existing student: first: Rizwan last: Chowdhury credits: 9 International Exchange: yes New student: Same first and last name as above: Rizwan Chowdhury	“Student already in students list.” and after pressing Print: “Rizwan Chowdhury: Credit: 9 Status: International Exchange: Yes Tuition Due: 1791”	-pass
	Test Remove button and its functionalities: if remove button is pressed with input belonging to a student not already in the list then error message should be printed and nothing else should happen.	Existing student: first: Rizwan last: Chowdhury credits: 9 International Exchange: yes Student to be removed: Tin Fung	“Failed to remove Student” Pressing prints: Rizwan Chowdhury: Credit: 9 Status: International Exchange: Yes Tuition Due: 1791	pass
	Test GUI and credits value: enter non-numeric data for credit and verify that GUI does not crash and error message is printed. Also the new student should not be entered into the list, and pressing print should show empty list.	First: Rizwan Last: Chowdhury Credits: one Outstate Tristate: Yes	“Credits must be entered as numbers only (integers).” After pressing print: “--Empty List--”	-pass
	Test GUI functionalities regarding student type and type specific selections. If instate is selected as student type then user should not be	Instate radio button selected.	Both Tri-state student and exchange student checkboxes disabled.	pass

	able to select exchange or tristate checkboxes.		Funding checkbox enabled.	
	Test GUI functionalities regarding student type and type specific selections. If outstate is selected then user should not be able to check funding or exchange, and should not be able to enter any value in the funding text box.	Outstate radio button selected.	Funding checkbox, funding text field, and exchange checkbox disabled. Tri-state student checkbox enabled	pass
	Test GUI functionalities regarding student type and type specific selections. If international is selected then user should not be able to check funding or tristate, and should not be able to enter any value in the funding text box.	International radio button is toggled.	Funding checkbox, funding text field, and tri-state checkbox disabled. exchange student checkbox enabled	pass
	Test GUI functionalities regarding funding text box and funding checkbox. Funding textbox should only be editable/active when funding checkbox is checked/selected, otherwise it should not be active. All possibilities will be test in this block.	-Funding checkbox is checked. -Funding checkbox is unchecked.	- Funding text field enabled -Funding text field disabled	-pass -pass
	Test GUI functionalities of funding textbox. If non-numeric character entered for funding then error message should be printed and student should not be added to the list. GUI should not crash.	first: Rizwan last: Chowdhury credits: 13 Instate Funding: 123a0 Add	“Funding needs to be a number.” After pressing print: “--Empty List--”	-pass
	Test GUI print button functionalities. If print is pressed when the list is empty should report that the list is empty.	Press Print when no students in the running list.	“--Empty List--”	-pass