Rose Sirohi
Caitlyn Romano
Group 21
Test Document

Valid Instate tests:

Test Case	Description	Sample Input	Expected result/ output
1	Test add and print methods	Bob Ross 12 Instate 200	Bob Ross 12 200 tuition due: 6437
2	Test tuitionDue() method and funding checkmark and funding textbox. Case 1: Student takes 15 credits Case 2: Student is full time taking <15 credits, with no funding Case 3: Student is part time Case 4: Student is part time and user enters funding (funding should be ignored) Case 5: Student is full time and funding entered exceeds tuition	Case 1: Lily Chang 15 Instate 500 Case 2: Badri Nath 20 Instate 0 Case 3: Jeff Ames 9 Instate 0 Case 4: Bob Ross 10 Instate 100 Case 5: Sesh Venugopal 15 Instate 15000	Case 1: Lily Chang 15 500 tuition due: 7436 Case 2: Badri Nath 20 0 tuition due: 7936 Case 3: Jeff Ames 9 0 tuition due: 4743 Case 4: Bob Ross 10 100 tuition due: 5176 Case 5: Sesh Venugopal 15 15000 tuition due: -7064

Valid Outstate tests:

Test Case	Description	Sample Input	Expected result/ output
1	Test add and print methods	Bob Ross 12 Outstate true	Bob Ross 12 true tuition due: 8113
2	Test tuitionDue() method and tri-state checkmark Case 1: Student is tristate Case 2: Student is not tristate Case 3: Student is fulltime taking >15 credits	Case 1: Lily Chang 15 outstate true Case 2: Badri Nath 12 outstate false Case 3: Bob Ross 18 outstate false Case 4: Jeff Ames 9 outstate true	Case 1: Lily Chang 15 true tuition due: 9781 Case 2: Badri Nath 12 false tuition due: 10513 Case 3: Bob Ross 18 false tuition due: 12781 Case 4: Jeff Ames 9 true tuition

	Case 4: Student is part time		due: 7650

Valid International tests:

Test Case	Description	Sample Input	Expected result/ output
1	Test add and print methods	Bob Ross 15 international false	Bob Ross 15 false tuition due: 15966
2	Test tuitionDue() method and exchange checkmark Case 1: student is a fulltime exchange student Case 2: student is taking >15 credits Case 3: student is not an exchange student Case 4: student is a part time exchange student Case 5: student is a part time non-exchange student	Case 1: Lily Chang 15 international true Case 2: Badri Nath 20 international false Case 3: Sesh Venugopal 15 international false Case 4: Bob Ross 10 international true Case 5: Karl Marx 10 international false	Case 1: Lily Chang 15 true tuition due: 1791 Case 2: Badri Nath 20 false tuition due: 15966 Case 3: Sesh Venugopal 15 false tuition due: 15966 Case 4: Bob Ross 10 true tuition due: 1791 Case 5: Karl Marx 10 false tuition due: 10646

Invalid tests:

Test Case	Description	Sample Input	Expected result/ output
1	Test invalid credits Case 1: 0 credits Case 2: Negative credits	Case 1: Bob Ross 0 Outstate False Case 2: Bob Ross -4 Instate 0	Case 1: "NumberFormatException: credits must exceed 0" Case 2: "NumberFormatException: credits

			must exceed 0”
2	Negative funding for an instate student	Bob Ross 12 Instate -50	“Error: Funding cannot be a negative value.”
3	Characters entered where numeric data is expected Case 1: Characters entered for Credits Case 2: Characters entered for Funding	Case 1: Lily Chang abc Outstate false Case 2: Lily Chang 12 Instate abc	Case 1: “NumberFormatException: invalid credits input” Case 2: “NumberFormatException: invalid funding”
4	Students can only check the boxes appropriate for their Student Type. Case 1: Instate student cannot check tri-state or exchange box Case 2: Outstate student cannot check funding, enter funding, or check exchange box Case 3: International student cannot check funding, enter funding, or check tristate box	Case 1: Check Tri-state or Exchange as Instate Student Case 2: Check Funding, Enter Funding, or check Exchange as Outstate Student Case 3: Check Funding, enter Funding, or check Tristate as International Student	Case 1-3: Inappropriate boxes are not checkable! Funding textbox also cannot have values entered unless Instate box and Funding box are checked.
5	Part time student enters funding amount greater than 0	Bernie Sanders 8 Instate 1000	“Error: Part-time students are not eligible for funding.”
6	Adding a student who is already in the list	Bob Ross 12 Outstate false Bob Ross 12 Outstate true	“Student has already been added.”
7	Printing empty list	Pressed Print with no students in the list	“Error: The list is empty”
8	Removing student from empty list	Pressed Remove with no students in list	“Error: The list is empty”
9	Remove student who is not in the list	Pressed Remove for Bob Ross when no such student had been added	“Error: The student does not exist.”

10	Add or Remove button clicked but no data has been entered or data is incomplete Case 1: Add button clicked, no data entered Case 2: Add button clicked, data is incomplete. Case 4: Remove button clicked, no data entered. Case 3: Remove button clicked, data is incomplete.	Case 1: Add button clicked, no data entered Case 2: Add button clicked, First Name, Last Name, and Credit Hours Entered but no Student Type radio button selected Case 4: Remove button clicked, no data entered. Case 3: Remove button clicked, First Name entered but no Last Name	Case 1: "Please fill in all required fields" Case 2: "Please fill in all required fields" Case 3: "Please enter the first and last name of the student you want to delete" Case 4: "Please enter the first and last name of the student you want to delete"
11	Number of credits entered for international student is less than 9	Bob Ross 8 International False	"Error: Credits must be at least 9 for international students"