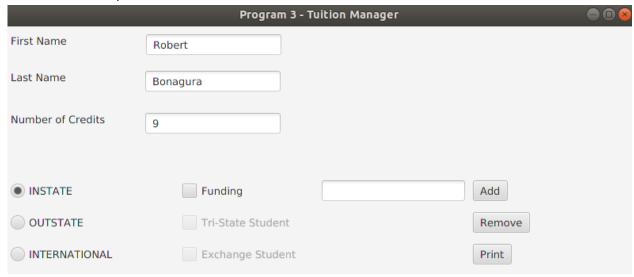
Test Doc

- 1. Tests TuitionDue() on both full-time and part-time students with no funding.
 - a. Input

	Program 3 - T	uition Manager	● 🗎 😣
First Name	Robert		
Last Name	Bonagura		
Number of Credits	12		
INSTATE	Funding		Add
OUTSTATE	Tri-State Student		Remove
INTERNATIONAL	Exchange Student		Print

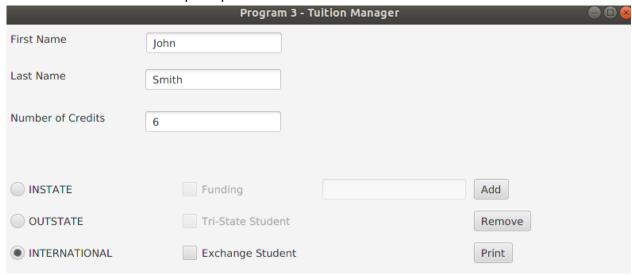
Tuition Due: 6637

b. Input



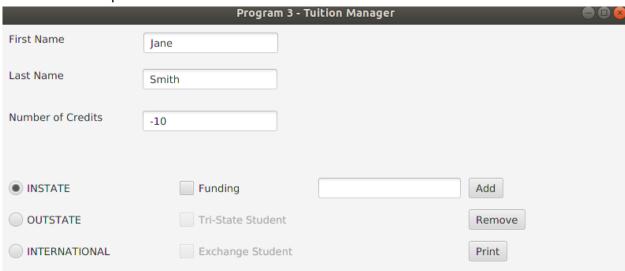
Tuition Due: 4743

- 2. Test if Student is taking a valid number of credits.
 - a. Valid examples are shown in test case 1
 - b. Invalid example Input



Output: "Error: International students must have at least 9 credits."

- 3. 0 or negative value for number of credits or funding amount.
 - a. Input



Output: "Error: Student must have a positive number of credits."

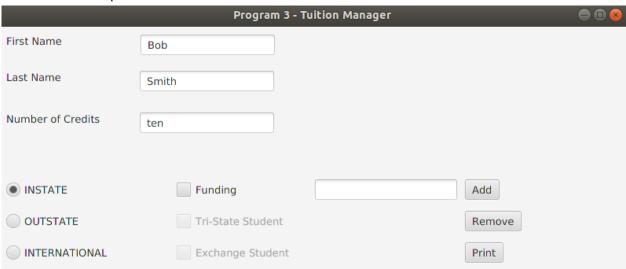
b. Input

	Program 3 - Ti	uition Manager	
First Name	Jane		
Last Name	Smith		
Number of Credits	10		
INSTATE	✓ Funding	-1000	Add
OUTSTATE	Tri-State Student		Remove
INTERNATIONAL	Exchange Student		Print

Output: "Error: Funding needs to be a positive value."

4. Characters are entered where integers are expected

a. Input



Output: "Error: Fields requiring a number value cannot be given a character value."

- 5. Clicking 'Add' or 'Remove' buttons when no data has been entered.
 - a. Output: "Error: Student name fields cannot be left blank or contain only white spaces."

Additional Valid Test Case Examples

Test cases for Outstate class.

Test cas	Test cases for Outstate class.				
Test Case	Description	Input (Method being tested, followed by the parameters it receives as input)	Expected Output (The return value of each method tested in the previous column)		
1	Checks default constructor and TuitionDue() based on students full time status, and toString() value of each	Case a: Full time Constructor: ("Robert", "Bonagura", FULL_TIME_CREDIT_MIN, false)	Case a: outstate1		
	cacii	outstate1.TuitionDue():	10513		
		outstate1.toString()	Name: Robert Bonagura Credits: 12 Lives in Trisate: false Tuition Due: 10513		
		Case b: Part time Constructor: ("Bob", "Bonagura", FULL_TIME_CREDIT_MIN -1, false)	outstate2		
		outstate2.TuitionDue():	9162		
		outstate2.toString()	Name: Bob Bonagura Credits: 11 Lives in Tristate: false Tuition Due: 9162		
2	Tests TuitionDue() on full-time and part-time for both instate values	Case a: instate = true Constructor: ("Robert", "Bonagura", FULL_TIME_CREDIT_MIN, true)	Case a: outstate1		
		outstate1.TuitionDue():	8113		
		Case b: instate = false Constructor: ("Greg", "Bonagura", FULL_TIME_CREDIT_MIN, false)	outstate2		
		outstate2.TuitionDue():	10513		
3	Tests if student is taking a valid number of credits	Case a: Constructor: ("Bobby", "Bonagura", FULL_TIME_CREDIT_MIN – FULL_TIME_CREDIT_MIN, false)	Case a: outstate1		
		outstate1.isValid()	false		
		Case b: Constructor: ("Bobby", "Bonagura", FULL_TIME_CREDIT_MIN, false)	Case b: outstate2		

	outstate2.isValid()	true

Test cases for International class.

Т4	Description	T	E
Test Case	Description	Input (Method being tested, followed by the parameters it receives as input)	Expected Output (The return value of each method tested in the
		the parameters it receives as input)	previous column)
1	Checks default constructor and	Case a: Full time	Case a:
	TuitionDue() based on students full time status, and toString() value of each	Constructor: ("Robert", "Bonagura", FULL_TIME_CREDIT_MIN, false)	internat1
	cach	internat1.TuitionDue():	13131
		internat1.toString()	Name: Robert Bonagura Credits: 12
			Is exchange student: false Tuition Due: 13131
		Case b: Part time Constructor: ("Bob", "Bonagura", FULL_TIME_CREDIT_MIN -1, false)	internat2
		internat2.TuitionDue():	11591
		internat2.toString()	Name: Bob Bonagura Credits: 11
			IS exchange student: false Tuition Due: 11591
2	Tests TuitionDue() on full-time and	Case a: exchange = true	Case a:
2	part-time for both exchange values	Constructor: ("Robert", "Bonagura", FULL_TIME_CREDIT_MIN, true)	internat1
		internat1.TuitionDue():	1791
		Case b: exchange = false Constructor: ("Greg", "Bonagura", FULL_TIME_CREDIT_MIN, false)	internat2
		internat2.TuitionDue():	15966
3	Tests if student is taking a valid	Case a:	Case a:
	number of credits	Constructor: ("Bobby", "Bonagura", FULL_TIME_CREDIT_MIN – FULL_TIME_CREDIT_MIN, false)	internat1
		internat1.isValid()	false
		Case b: Constructor: ("Bobby", "Bonagura", FULL_TIME_CREDIT_MIN, false)	Case b: internat2

	internat2.isVa	id() true	

Test cases for Instate class.

	Instate class.	Committee	From a ske all section 11. /
Test	Description	Sample Input	Expected result /
Case	 		output
#1 - 2	Test constructor to ensure	An instance of Instate	#1)
	credit and funding are	called instate1 has been	instate1.credit equals
	intitialized correctly.	initialized with	15
		fName = "Ezra"	""
		IName = "Haleva"	#2)
		credit = 15	Instate1.funding
		funding = 100	equals 100
#3	Test isValid() to ensure it	An instance of Instate	validInstate.isValid()
	returns true for valid	called validInstate has	returns true
	instances	been initialized with	
		fName = "Ezra"	
		lName = "Haleva"	
		credit = 15	
		funding = 100	
#4	Test isValid() to ensure it	An instance of Instate	validInstate.isValid()
	returns false for invalid	called invalidInstate has	returns true
	instances	been initialized with	
		fName = "Ezra"	
		lName = "Haleva"	
		credit = 0	
		funding = 100	
#5	Test tuitionDue() returns	An instance of Instate	Instate2.tuitionDue()
	credits*COST_PER_CREDIT	called instate2 has been	returns cost per credit
	+ FULL_TIME_FEE when	initialized with	times 15 + full time fee
	credit is full time amount	fName = "Ezra"	
		lName = "Haleva"	
		credit = 15	
		funding = 0	

#6	Test tuitionDue() returns MAX_BILLABLE CREDITS*COST_PER_CREDIT + FULL_TIME_FEE when credit is greater than MAX_CREDITS	An instance of Instate called instate3 has been initialized with fName = "Ezra" IName = "Haleva" credit = 18 funding = 0	Instate2.tuitionDue() returns cost per credit times 15 + full time fee
#7	Test tuitionDue() returns credits*COST_PER_CREDIT + PART_TIME_FEE when credit is less than FULL_TIME_MIN	An instance of Instate called instate4 has been initialized with fName = "Ezra" IName = "Haleva" credit = 11 funding = 0	Instate2.tuitionDue() returns cost per credit times 11 + part time fee
#8	Test tuitionDue() successfully adds funding to returned amount when credit is greater than full time minimum	An instance of Instate called instate5 has been initialized with fName = "Ezra" IName = "Haleva" credit = 15 funding = 1000	Instate2.tuitionDue() returns cost per credit times 15 + full time fee - 1000
#9	Test tuitionDue() does not add funding amount when credit is less than full time minimum	An instance of Instate called instate6 has been initialized with fName = "Ezra" IName = "Haleva" credit = 11 funding = 1000	Instate2.tuitionDue() returns cost per credit times 11 + part time fee
#10	Test toString() is returning correct string representation of object	An instance of Instate called instate7 has been initialized with fName = "Ezra" IName = "Haleva" credit = 11 funding = 1000	instate7.toString() is equal to "Name: Ezra Haleva\nCredits: 11\nFunding: 100"