Project 3 Test Cases

Test Case #	Requirement	Test Descriptions and Input Data	Expected Result
1	Calculating student tuition does not return error at any point, even with an empty roster.	Calculate tuition	success
2	Any valid student can be created.	Add student: Type=Resident, Name=Noor Syed, Major=CS, credit hours = 12	success
3	Any valid student can be created.	Add student: Type=Non-Resident, Name=Umar Khattak, Major=CS, credit hours = 15	success
4	Any valid student can be created.	Add student: Type=International, Name=Adam Elkholy, Major=IT, credit hours = 12, StudyAbroad=false	success
5	Any valid student can be created.	Add student: Type=Tri-State, Name=Alyan Usmani, Major=BA, credit hours = 12, Location=NY	success
6	Duplicate students cannot be created.	Add student: Type=Resident, Name=Noor Syed, Major=CS, credit hours = 12	error
7	Credit hours must be a valid number.	Add student: Type=Resident, Name=Noor Syed, Major=CS, credit hours = "twelve"	error
8	All fields must be filled out before creation.	Add student: Type=??, Name=Noor Syed, Major=ME, credit hours = "twelve"	error
9	Students in the roster can be deleted.	Remove student: Type=Resident, Name=Noor Syed, Major=CS, credit hours = 12	success
10	Students not in the roster cannot be deleted.	remove student: Type=Resident, Name=Joe Smith, Major=CS, credit hours = 10	error
11	Calculating student tuition does not return error at any point, even with an empty roster.	Calculate tuition	success
12	Cannot pay tuition with a date before this current year	Pay Tuition, Name=Umar Khattak, Major=CS, amount=1000,	error

		date="05/05/2018"	
13	Cannot pay tuition with an amount less than or equal to 0.	Pay Tuition, Name=Umar Khattak, Major=CS, amount=-100, date="05/05/2021"	error
14	Cannot pay more tuition than tuition due.	Pay Tuition, Name=Umar Khattak, Major=CS, amount=100000, date="05/05/2021"	error
15	Valid tuition payment will be processed.	Pay Tuition, Name=Umar Khattak, Major=CS, amount=1000, date="05/05/2021"	success
16	Cannot set study abroad status for a non-international student	Edit student, Name=Umar Khattak, Major=CS, international status=false	error
17	Can set study abroad status for an international student.	Edit student, Adam Elkholy, Major=IT, international status=false	success
18	Cannot set financial aid amount for a student who is not a resident.	Edit student, Adam Elkholy, Major=IT, financial aid=1000	error
19	Can set a financial aid amount for a resident student.	Edit student, Noor Syed, Major=CS, financial aid=1000	success