

Java class: public class HelloController			
Method signature: private void addButtonClick			
Test Case #	Requirement	Test description and Input Data	Expected result/output
1	The student may not have more than 24 credit hours.	<ul style="list-style-type: none"> Attempt to add a student with more than 24 credit hours. Data: 25 credit hours 	"Credit hours exceed the maximum 24."
2	The student may not have less than 3 credit hours.	<ul style="list-style-type: none"> Attempt to add a student with less than 3 credit hours Data: 3 credit hours 	"Minimum credit hours is 3."
3	All relevant data fields must be completed.	Attempt to add a student with the name field missing	"Name data missing."
4	The student being added cannot already be in the roster.	<ul style="list-style-type: none"> Attempt to add a student who is already in the roster 	"Student is already in the roster."
5	International students must enroll in at least 12 credit hours.	Attempt to add an international student with less than 12 credit hours <ul style="list-style-type: none"> 11 credit hours 	"International students must enroll at least 12 credits."
Method signature: private void removeButtonClick			
6	All relevant data fields must be completed.	<ul style="list-style-type: none"> Attempt to remove a student without a major 	"Major data missing."

7	Students being removed must already be in the roster.	<ul style="list-style-type: none"> Attempt to remove a student who is not in the roster 	"Student is not in the roster."
8	Students are classified by name and major.	<ul style="list-style-type: none"> Add two students with the same name but different majors and remove one of them. 	"Student removed from the roster."
Method signature: private void tuitionDueButtonClick			
9	Tuition due for a non resident student with 12 credit hours	<ul style="list-style-type: none"> Calculate the tuition due for said student 	33,005.00
10	Tuition due for a resident student with 18 credit hours	<ul style="list-style-type: none"> Calculate the tuition due for said student 	16,612.00
11	Tuition due for a NY tristate student with 18 credit hours	<ul style="list-style-type: none"> Calculate the tuition due for said student 	30,937.00
12	Tuition due for a CT tristate student with 15 credit hours	<ul style="list-style-type: none"> Calculate the tuition due for said student 	28,005.00
13	Tuition due for an international student with 12 hours	<ul style="list-style-type: none"> Calculate the tuition due for said student 	35,655.00
14	Tuition due for an international study abroad student with 12 hours	<ul style="list-style-type: none"> Calculate the tuition due for said student 	5,918.00
Method signature: private void setFinAid			
15	The value entered for financial aid has to be numbers	<ul style="list-style-type: none"> Enter financial aid amount of /(&E 	"Payment amount invalid."
16	The value entered for financial aid can't be	<ul style="list-style-type: none"> Enter financial aid amount of 	"Invalid amount."

	less than 0	-100	
17	The value entered for financial aid has to be equal to or less than 10,000	<ul style="list-style-type: none"> Enter financial aid amount of 13000 	"Invalid amount."
18	The value entered for financial aid has to be between 0 and 10,000	<ul style="list-style-type: none"> Enter financial aid amount of 4000 	"Tuition updated."
19	Financial aid can only be given once	<ul style="list-style-type: none"> Apply financial aid of 4000 to a student that has already received financial aid 	"Awarded once already."
Method signature: private void setNotStudyAbroad			
20	International student	<ul style="list-style-type: none"> Click set not study abroad button bc button is only not disabled if international student that exists in the roster 	"Tuition updated."
Method signature: private void setStudyAbroad			
21	International student	<ul style="list-style-type: none"> Click set study abroad button bc button is only not disabled if international student that exists in the roster 	"Tuition updated."
Method signature: private void payTuition			
22	Payment amount must be a number	<ul style="list-style-type: none"> Enter a non-number into the input Input: "Seven" 	"Payment amount invalid."

		Hundred”	
23	Payment Date must be valid	<ul style="list-style-type: none"> • Enter an invalid date. • Input: 13/15/2002 	“Payment date invalid.”
24	Payment must be made for a student in the roster	<ul style="list-style-type: none"> • Attempt a payment for a student not in the roster 	"Student not found."
25	Payment must be less than or equal to the amount due	<ul style="list-style-type: none"> • Attempt to make a payment greater than the amount due 	“Amount is greater than the amount due.”
26	Payment must be a positive number	<ul style="list-style-type: none"> • Attempt a payment with a negative amount 	"Payment amount invalid."