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| Java class: MainView.fxml |
| **TestingUI** |

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| Test Case # | Requirement | Test Description/Test Case | Expected result/output |
| 1 | Cannot add the same student twice. | * Try to add a student with the same name and major. | Student is already in the roster. |
| 2 | Removing student when student is not in the list/empty. | * Attempting to remove a student that was never added into the list. Or if the list doesn’t contain student. | Student is not in the roster. |
| 3 | Making sure that the credit input we receive is both a number and non-negative. Same goes for any payment number. | * If the user input a number like -1 or if they decide to type a word instead. * Test Case: “Daniel Lopez, -2” | Invalid Number |
| 4 | The name that is inputted is a valid name. | * If the user decided to put a name with number or not including a last name. * Test Case: “Daniel” | Invalid Name |
| 5 | RadioButton functionality. When selecting Major you should only be allowed to click one. The buttons for status must not break when different combinations are added. | * The user is not allowed to click multiple majors. * The tester will try to break the buttons to make the ui crash. | The ui will not crash. |
| 6 | Students with credits above 24 cannot be added. | * The user cannot be able to add students with their credit field being over 24. * Test case: “Daniel Lop, cs, 25” | Credit hours exceed the maximum 24. |
| 7 | Student cannot be added with less than 3 credits. | * The user cannot be able to add students with their credit field being under 3. * Test case: “Daniel Lop, cs, 25” | Minimum credit hours is 3. |
| 8 | Buttons should do the task that they are labeled to do. | * If the add student button is clicked a student should be added, remove then a student removed and so on. | User’s input is executed corrected. |
| 9 | The credit hour for an International Abroad student will be 12 credits max. | * If user attempts to add an abroad student with more than 12 credits, they will get an error. * Test Case: “Daniel Lopez, cs, International Abroad, 15” | Credit hours exceed the maximum 12. |
| 10 | The credit hour for International Students must be between 12 and 24. | * User attempts to add an International Student as part time. * Test Case: “11/30/2020” | Credit hours exceed the maximum 12. |
| 11 | The date of payment must be within the current year. Isvalid method will handle this. | * If the user attempts to make a payment in a year that isn’t the current year. * Test case: “11/01/2022” | Payment date invalid. |
| 12 | The tuition cost must be calculated by individual student if the user deceivers. And correct tuition should display. Discounts should be applied. | * The user should be able to get the tuition or an individual student or everyone in the list. The tuition should always be correct. | Correct tuitions displayed. |
| 13 | Being able to add students of any status and removing students of any status. | * The user can create a student of any status and remove a student of any status. | Student added.  Student removed from the roster. |
| 14 | Finical aid amount should only be allowed for Resident students and must be under $10,000 total. | * The user can add a financial aid amount if that student is a resident and aid amount is under 10k. | Payment Invalid. |
| 15 | Print buttons function properly. | * The user will get the roster printed to them based on which button they select. * Test Cases: “Print, Print by name, Print by time” | Correct Roster is displayed. |
| 16 | Missing Textfields, an error will display. | * If a user doesn’t add credits. * Test Case: “Daniel Lopez, cs, resident” | Credit hours missing. |
| 17 | The user should be able to add any version of student successfully. | * User can add resident, nonresident, tristate and international student freely. | adding tri-state  Student added.  adding international  Student added.  adding Resident  Student added.  adding NonResident  Student added. |
| 18 | Financial Aid cannot be given twice to the same student. | * User cannot give the same student financial aid twice an error message will appear. | Awarded once already. |