GUI input fields

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Blank input fields should bring up and empty field error.	Fill some or none of the text inputs in adding or removing members/guest from the database or fitness class	One or more fields are empty
2	Inputting invalid date formats should reformat to a valid date input when using thing date field	User can either select date or input. Inputting invalid dates such as negative numbers, missing parameters should either replace as blank or format to a valid date	Blank field or valid date

Information Tab

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Unloaded database and fitness classes should return empty	Click on any of the radio buttons with no loaded members or classes	The text box should display that the "list is empty"
2	Loaded members and classes should return the data	Load the database with fitness classes and members and click the radio buttons in the information tabs	Member information and classes will be displayed in the text box.

Adding/Removing Members

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	With all fields filled out with a valid location and membership selection the member should be added sucessfully	Fill all fields with valid data	Member added/removed sucessfully
2	Inputting nonexistent member for removing	Input parameters of a member that does not exists in the database	Member does not exist
3	Invalid location should not be inputted	Fill all fields with valid data except the location	Location invalid

Fitness Class checking in members/guests

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Inputting a nonexistent member	Fill out valid class with nonexistent member	The inputted member is not in the database
2	Inputting a invalid class	Filling out valid member with invalid location	Class does not exist
3	Inputting valid class and member	Fill inputs with valid member and class	Member checkin or dropped class
4	Checking in valid member in another valid class with the same time	Valid premium member input with two valid classes with the same time	Time conflict
5	Checking in standard member at another location	Valid member in database inputted and another valid class at a different location	Member cannot check in at this location
6	Checking in guest with a standard membership	Enter a member with a standard membership	Guest check in not allowed
7	Checking in guest with a	Input valid family or	Guest added to

	family or premium membership	premium member with valid fitness class	class
8	Checking in guest at another location	Fill input with valid premium or family member and input another class location	Cannot check in at location
9	Using up guest passes should not allow any more guest to check in	Check in a member into a class with more than the passes alloted	Member has ran out of guest passes

Checking out members/guests

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Nonexistent/nonparticipants members cannot be checked out of a class	Input a nonexistent member and a valid class	The member is not a particpant/nonexistent
2	Existent and participants should be able to check out	Input a participating and existent member/guest	member/guest is done with class
3	Invalid class input but with valid members should not drop member	Input a invalid class and a valid member	Class does not exist
4	A valid member/guest should not be able to drop a class they are not in	A valid member/guest and input a valid class that that they are not checked into	Member not found in class