Java class being tested: GymManagerController			
Test Case #	Requirement	Test Description and Input Data	Expected Result/Output
1	All fields should be filled when adding a member	• All fields for the membership tab are empty and "add" is pressed. • Test data: fName = "", lName = "", DOB = null, Location = null, membership type = standard	"Enter member information."
2	All fields should be filled when adding a member	• First name field is filled but every other field is empty. Add is pressed. • Test data: fName = "Jonathan", lname = "", DOB = null, location = null, membership type = standard	"Enter a full name."
3	All fields should be filled when adding a member	• First name and last name fields are filled but every other field is empty. Add is pressed. • Test data: fName = "Jonathan", lname = "Wei", DOB = null, location = null, membership type = standard	"Enter a date of birth."
4	All fields should be filled when adding a member	• First name, last name, and DOBfields are filled but every other field is empty. • Test data: fName = "Jonathan", lname = "Wei", DOB = "9/21/1992", location = null, membership type = standard	"Select a location."
5	Name should include no special character	• All fields for the membership tab are filled, and the first name input contains a special character. • Test data: fName = "Jonathan2", lname = "Wei", DOB = "9/21/1992", location = "Bridgewater", membership type = standard	"Names should not include special characters, spaces, or numbers."
6	Name should include no special character	• All fields for the membership tab are filled, and the last name input contains a special character. The add button is pressed. • Test data: fName = "Jonathan", lname = "Wei!", DOB = "9/21/1992", location = "Bridgewater", membership type = standard	"Names should not include special characters, spaces, or numbers."

7	DOB should not be a future date	• All fields for the membership tab are filled, and the DOB is a future day. The add button is pressed. • Test data: fName = "Jonathan", lname = "Wei", DOB = "12/3/2022", location = "Bridgewater", membership type = standard	"DOB 12/3/2022: cannot be today or future day."
8	All members should be older than 18	• All fields for the membership tab are filled, and the DOB does not belong to an adult. The add button is pressed. • Test data: fName = "Jonathan", lname = "Wei", DOB = "12/3/2005", location = "Bridgewater", membership type = standard	"DOB 12/3/2005: must be 18 or older to join."
9	Cannot add a member that has already been added	• Add a member with the following test data, and fill in the membership tab with the data again. • Test data: fName = "Jonathan", lname = "Wei", DOB = "12/3/2022", location = "Bridgewater", membership type = standard	"Jonathan Wei is already in the database."
10	First three fields should be filled when removing a member	• All fields for the membership tab are empty and "remove" is pressed. • Test data: fName = "", lName = "", DOB = null, Location = null, membership type = standard	"Enter member information."
11	First three fields should be filled when removing a member	• First name field for the membership tab is empty and "remove" is pressed. • Test data: fName = "", lName = "Wei", DOB = "9/21/1992", Location = null, membership type = standard	"Enter a full name."
12	First three fields should be filled when removing a member	• Last name field for the membership tab is empty and "remove" is pressed. • Test data: fName = "Johnathon", lName = "", DOB = "9/21/1992", Location = null, membership type = standard	"Enter a full name."
13	First three fields should be filled when removing a member	• DOB field for the membership tab is empty and "remove" is pressed. • Test data: fName = "Johnathon",	"Enter a date of birth."

		lName = "Wei", DOB = null, Location = null, membership type = standard	
14	First three fields should be filled when removing a member	• First three fields for the membership tab are valid inputs, and the location is selected. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = "Bridgewater", membership type = standard	"Try again. Only input name and date of birth when removing a member."
15	First three fields should be filled when removing a member	• First three fields for the membership tab are valid inputs, the location is selected and membership type is not standard. Press the remove button. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = "Bridgewater", membership type = premium	"Try again. Only input name and date of birth when removing a member."
16	Cannot remove a member that has not been added	• Fill the first three fields of the membership tab with info of a member that has not been added. Press the remove button. • Test data: fName = "Lily", lName = "Chang", DOB = "1/1/2000", Location = null, membership type = standard	"Lily Chang is not in the database."
17	All fields should be filled when checking in a member.	• All fields for the Fitness Class tab are empty and "check-in" is pressed. • Test data: fName = "", lName = "", DOB = null, Location = null, Fitness Class = null, Instructor = null, Guest? = no.	"Enter member information."
18	All fields should be filled when checking in a member.	• All fields for the Fitness Class tab are filled in except the first name. "check-in" is pressed. • Test data: fName = "", lName = "Wei", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Enter a full name"
19	All fields should be filled when checking in a member.	• All fields for the Fitness Class tab are filled in except the last name.	"Enter a full name."

		"check-in" is pressed. ● Test data: fName = "Johnathon", lName = "", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = no.	
20	All fields should be filled when checking in a member.	● All fields for the Fitness Class tab are filled in except the DOB. "check-in" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = null, Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Enter a date of birth"
21	All fields should be filled when checking in a member.	● All fields for the Fitness Class tab are filled in except the location. "check-in" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = null, Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Select a location"
22	All fields should be filled when checking in a member.	● All fields for the Fitness Class tab are filled in except the fitness class. "check-in" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = null, Instructor = Kim, Guest? = no.	"Select a fitness class."
23	All fields should be filled when checking in a member.	● All fields for the Fitness Class tab are filled in except the instructor class. "check-in" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Pilates, Instructor = null, Guest? = no.	"Select an instructor."
24	Cannot check in a member that is not in the database	● All fields for the Fitness Class tab have valid inputs for a member that has not been added to gym manager. "Check-in" is pressed. ● Test data: fName = "Arunima", lName = "Tripathy", DOB = "3/30/2003", Location =	"Select Arunima Tripathy 3/30/2003 is not in the database."

		Bridgewater, Fitness Class = Pilates, Instructor = Kim, Guest? = no.	
25	Cannot check into a location other than the standard member's location	● All fields for the Fitness Class tab have valid inputs for a standard member. Member is attempting to check into a location they are restricted from. "Check-in" is pressed. ● Test data: fName = "Mary", lName = "Lindsey", DOB = "12/11989", Location = Bridgewater, Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Mary Lindsey checking in Bridgewater - standard membership location restriction."
26	Can check into other locations if the membership is a instance of Family	● All fields for the Fitness Class tab have valid inputs for a family member. Member is attempting to check into a location they did not register for. "Check-in" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Franklin, Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Johnathon Wei checked into Pilates."
27	Cannot check in if member has already checked in	● Check in a member with the following test data, and fill in the Fitness Class tab with the data again. ● Test data: fName = "Mary", lName = "Lindsey", DOB = "12/1/1989", Location = Franklin, Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Mary Lindsey already checked in."
28	Cannot check in if there is a time conflict	● Fill the Fitness Class tab fields with Test data 1 and press "check-in". Then fill the Fitness Class tab with test data 2. Press "check-in" ● Test data 1: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Franklin, Fitness Class = Pilates, Instructor = Kim, Guest? = no. ● Test data 2: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Spinning, Instructor = Denise, Guest? = no.	"Time Conflict - Pilates - Kim, 9:30"

29	Cannot check in if the class does not exist	● Fill the Fitness Class tab with the following data. The class data is for a combination of fitness class, instructor, and location that does not exist. Press "check-in" ● Test data 2: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Edison, Fitness Class = Spinning, Instructor = Davis, Guest? = no.	"Spinning by Davis does not exist at Edison."
30	Cannot check in if the membership has expired.	● Fill the Fitness Class tab with the following data. It is for a member whose membership has already expired. ● Test data 2: fName = "Roy", lName = "Brooks", DOB = "8/8/1977", Location = Somerville, Fitness Class = Cardio, Instructor = Jennifer, Guest? = no.	"Roy Brooks 8/8/1977 membership has expired."
31	All fields should be filled when checking out a member.	● All fields for the Fitness Class tab are empty and "check-out" is pressed. ● Test data: fName = "", lName = "", DOB = null, Location = null, Fitness Class = null, Instructor = null, Guest? = no.	"Enter member information."
32	All fields should be filled when checking out a member.	● All fields for the Fitness Class tab are filled in except the first name. "check-out" is pressed. ● Test data: fName = "", lName = "Wei", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Enter a full name"
33	All fields should be filled when checking out a member.	● All fields for the Fitness Class tab are filled in except the last name. "check-out" is pressed. ● Test data: fName = "Johnathon", lName = "", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Enter a full name."
34	All fields should be filled when checking out a member.	● All fields for the Fitness Class tab are filled in except the DOB. "check-out" is pressed.	"Enter a date of birth."

		● Test data: fName = "Johnathon", lName = "Wei", DOB = null, Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = no.	
35	All fields should be filled when checking out a member.	● All fields for the Fitness Class tab are filled in except the location. "check-out" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = null, Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Select a location."
36	All fields should be filled when checking out a member.	● All fields for the Fitness Class tab are filled in except the fitness class. "check-out" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = null, Instructor = Kim, Guest? = no.	"Select a fitness class."
37	All fields should be filled when checking out a member.	● All fields for the Fitness Class tab are filled in except the instructor class. "check-out" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Pilates, Instructor = null, Guest? = no.	"Select an instructor."
38	Cannot check out if member is not in the database	● Fill the Fitness Class tab with the following test data (for a member who has not been added to the database). Press check out. ● Test data: fName = "Mahfuza", lName = "Rahman", DOB = "1/1/2000", Location = Bridgewater, Fitness Class = Pilates, Instructor = Kim, Guest? = no.	"Mahfuza Rahman is not in the database."
39	Cannot check out if you haven't checked in	● Fill the Fitness Class tab with the following test data (for a member who is in the database but has not checked in). Press check out. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Franklin,	"Johnathan Wei did not check in."

		Fitness Class = Spinning, Instructor = Emma, Guest? = no.	
40	All fields should be filled when checking in a guest.	● All fields for the Fitness Class tab are empty and "check-in" is pressed. ● Test data: fName = "", lName = "", DOB = null, Location = null, Fitness Class = null, Instructor = null, Guest? = yes.	"Enter member information."
41	All fields should be filled when checking in a guest.	● All fields for the Fitness Class tab are filled in except the first name. "check-in" is pressed. ● Test data: fName = "", lName = "Wei", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Enter a full name."
42	All fields should be filled when checking in a guest.	● All fields for the Fitness Class tab are filled in except the last name. "check-in" is pressed. ● Test data: fName = "Johnathon", lName = "", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Enter a full name."
43	All fields should be filled when checking in a guest.	● All fields for the Fitness Class tab are filled in except the DOB. "check-in" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = null, Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Enter a date of birth."
44	All fields should be filled when checking in a guest.	● All fields for the Fitness Class tab are filled in except the location. "check-in" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = null, Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Select a location."
45	All fields should be filled when checking in a guest.	● All fields for the Fitness Class tab are filled in except the fitness class. "check-in" is pressed. ● Test data: fName = "Johnathon",	"Select a fitness class."

		lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = null, Instructor = Kim, Guest? = yes.	
46	All fields should be filled when checking in a guest.	• All fields for the Fitness Class tab are filled in except the instructor class. "check-in" is pressed. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Pilates, Instructor = null, Guest? = yes.	"Select an instructor."
47	Cannot check in guests with standard membership.	• All fields for the Fitness Class tab are filled in except the instructor class. "check-in" is pressed. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Standard membership - guest check-in is not allowed."
48	Cannot check in a guest that is not in the member's location	• All fields for the Fitness Class tab are filled out. The guest is trying to go to a location that the member is not signed up for. "check-in" is pressed. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Edison, Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Johnathon Wei guest checking in Edison – guest location restriction."
49	Cannot check in guests if the member is out of guest-passes.	• All fields for the Fitness Class tab are filled in except the instructor class. The following test data is inputted 3 times into gym manager (Johnathon is premium member). Test data is inputted one more time and, "check-in" is pressed. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Johnathon Wei is out of guest pass."
50	All fields should be filled when checking out a guest.	• All fields for the Fitness Class tab are empty and "check-out" is pressed.	"Enter member information."

		• Test data: fName = "", lName = "", DOB = null, Location = null, Fitness Class = null, Instructor = null, Guest? = yes.	
51	All fields should be filled when checking out a guest.	• All fields for the Fitness Class tab are filled in except the first name. "check-out" is pressed. • Test data: fName = "", lName = "Wei", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Enter a full name."
52	All fields should be filled when checking out a guest.	• All fields for the Fitness Class tab are filled in except the last name. "check-out" is pressed. • Test data: fName = "Johnathon", lName = "", DOB = "9/21/1992", Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Enter a full name."
53	All fields should be filled when checking out a guest.	• All fields for the Fitness Class tab are filled in except the DOB. "check-out" is pressed. • Test data: fName = "Johnathon", lName = "Wei", DOB = null, Location = "Bridgewater", Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Enter a date of birth."
54	All fields should be filled when checking out a guest.	• All fields for the Fitness Class tab are filled in except the location. "check-out" is pressed. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = null, Fitness Class = Pilates, Instructor = Kim, Guest? = yes.	"Select a location."
55	All fields should be filled when checking out a guest.	• All fields for the Fitness Class tab are filled in except the fitness class. "check-out" is pressed. • Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = null, Instructor = Kim, Guest? = yes.	"Select a fitness class."

56	All fields should be filled when checking out a guest.	● All fields for the Fitness Class tab are filled in except the instructor class. "check-out" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Pilates, Instructor = null, Guest? = yes.	"Select an instructor."
57	Cannot check out guests with standard membership.	● All fields for the Fitness Class tab are filled in except the instructor class. "check-out" is pressed. ● Test data: fName = "Johnathon", lName = "Wei", DOB = "9/21/1992", Location = Bridgewater, Fitness Class = Pilates, Instructor = null, Guest? = yes.	"Standard membership - guest check-in is not allowed."