Project 3 Test Design Document - Jackson Lee, Serena Zeng

FXML tabs being tested: Membership and member database tab in information hub			
Test case #	Requirement	Test Description and input data	Expected result/output

1	Print, print by county/zipcode, print by last/first names, print by expiration date, should display error if member database is empty	● Click on the print buttons in the Information Hub's Member Database Tab
		● Test data:
		  ○ Click on the print button
		  ○ Click on print by county/zipcode
		  ○ Click on the print by last/first names button
		  ○ Click on the print by expiration date button
			"Member database is empty!"

2	When adding members, first name, last name, date of birth, and location cannot be blank.	● Attempt to add member when missing one of the fields
		● Test data:
		  ○ "John", "Doe", None, "Edison", "Standard"
		  ○ None, "Doe", "11/1/2000", "Edison", "Standard"
		  ○ "John", None, "11/1/2000", "Edison", "Standard"
		  ○ "John", "Doe", "11/1/2000", None, "Standard"
			"Field cannot be empty"

3	When adding members, member must be at least 18 years old	● Attempt to add member who is no yet 18 years old
		● Test data:
		  ○ "John", "Doe", "12/20/2004" "BRIDGEWATER", "Standard"
		  ○ "John", "Doe", "12/2/2022" "BRIDGEWATER", "Premium"
			● "DOB 12/30/2004: must be 18 or older to join!"
			● "DOB 11/30/2022: must be 18 or older to join!"

4	Load members	● Load members	-list of members loaded-

	should load members from the file	● Test data: 　○ Click "Load Member List from File" button in membership database tab in information hub	John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807, SOMERSET Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX April March, DOB: 3/31/1990, Membership expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET Roy Brooks, DOB: 9/9/1977, Membership expired 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX Paul Siegel, DOB: 5/1/1999, Membership expired 1/31/2022, Location: EDISON, 08837, MIDDLESEX Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX -end of list- **expiration dates vary based on date of testing
5	A member who is already in the database cannot be added	● After doing test case 4, attempt to add members who are already in the database ● Test Data: 　○ "John", "Doe", "1/20/2003", "BRIDGEWATER"	● "John Doe is already in the database." ● "john doe is already in the database."

		○ "john ", "doe", "1/20/2003", "EDISON"	
6	Printing by county/zipcode should print the members in the database ordered by county then by zipcode	• After doing test case 4, print by county/zipcode • Test Data: ○ Click "print by county/zipcode"	-list of members sorted by county and zipcode- Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX Paul Siegel, DOB: 5/1/1999, Membership expired 1/31/2022, Location: EDISON, 08837, MIDDLESEX Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX April March, DOB: 3/31/1990, Membership expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807, SOMERSET Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET Roy Brooks, DOB: 9/9/1977, Membership expired 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET -end of list- **expiration dates vary based on date of testing
7	Printing by last/first	• After doing test case 4, print by name	-list of members sorted by last name, and first name-

	names should order the members by last names, then by first names	● Test Data: 　○ Click "print by last/first names"	Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET Roy Brooks, DOB: 9/9/1977, Membership expired 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807, SOMERSET Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET April March, DOB: 3/31/1990, Membership expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX Paul Siegel, DOB: 5/1/1999, Membership expired 1/31/2022, Location: EDISON, 08837, MIDDLESEX -end of list- **expiration dates vary based on date of testing
8	Printing by expiration date should order the members by their expiration dates	● After doing test case 4, print by expiration date ● Test Data: 　○ Click "print by expiration date"	-list of members sorted by membership expiration date- Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807,

			SOMERSET
			Paul Siegel, DOB: 5/1/1999, Membership expired 1/31/2022, Location: EDISON, 08837, MIDDLESEX Roy Brooks, DOB: 9/9/1977, Membership expired 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET April March, DOB: 3/31/1990, Membership expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET -end of list- **expiration dates vary based on date of testing

9	When removing members from the database, the first name, last name, and date of birth fields must be filled	• Remove a member without filling out all of first name, last name, and date of birth
		• Test data:
		  ○ "Paul", "Siegel", None, "Somerville", "Premium"
		  ○ None, "Siegel", "5/1/1999", "Middlesex", "Standard"
		  ○ "Paul", None, "5/1/1999", "Franklin", "Family"
			"Field cannot be empty."

| 10 | Members who are in the database can be removed | • After running test case 4, remove member who is in the database. Then print the resulting database.
• Test data:
  ○ Remove "Paul", "Siegel", "5/1/1999"
  ○ Click print button | Paul Siegel removed.

-list of members-
Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET
John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807, SOMERSET
Roy Brooks, DOB: 9/9/1977, Membership expires 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET
April March, DOB: 3/31/1990, Membership expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX
Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX
John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET
Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX
Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET
Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET
Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX
Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET
-end of list-

**expiration dates vary based on date of testing |
| 11 | Members who are not in the database cannot be removed | • After running test cases 4 and 10, attempt to remove a member who is not in the database
• Test data:
  ○ "Paul", "Siegel", "5/1/1999" | • "Paul Siegel is not in the database."
• "Jonah Donut is not in the database." |

		○ "Jonah", "Donut", "5/1/1999"	

12	Members who are not already in the database, are 18 or older, and have full information fields can be added. Standard members should have no guest passes, family members one guest pass, and premium members two guest passes	• After running test cases 4 and 10. add standard, family, and premium members. Then print the resulting database sorted by names
		• Test data:
		  ○ "Paul", "Siegel", "6/30/1999", "Franklin", "standard"
		  ○ "Jerry", "Brown", "6/30/1979", "Edison", "family"
		  ○ "Jonnathan", "Wei", "9/21/1992", "bridgewater", "premium"
		  ○ Click print by last/first name button
			• "Paul Siegel added."
			• "Jerry Brown added."
			• "Jonnathan Wei Added."
			-list of members sorted by last name, and first name-
			Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET
			Roy Brooks, DOB: 9/9/1977, Membership expired 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET
			Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX
			Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1
			Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX
			John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET
			John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807, SOMERSET
			Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET
			Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET
			Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET
			April March, DOB: 3/31/1990, Membership

			expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX Paul Siegel, DOB: 6/30/1999, Membership expires 2/6/2023, Location: FRANKLIN, 08873, SOMERSET Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 3 -end of list- **expiration dates vary based on date of testing

Before running below test cases, run all test cases in the first table!

FXML tabs being tested: Fitness Class tab and class schedule tab in information hub			
Test case #	Requirement	Test Description and input data	Expected result/output
1	Show classes button should display error if list of classes is empty	• Click on the show classes button in the Information Hub's Class Schedule Tab • Test data: ○ Click the show classes button	"Fitness class schedule is empty."
2	Load classes should load class list from file	• Click on the "load class list from file" button in information hub's Class Schedule tab	-Fitness classes loaded- PILATES - JENNIFER, 9:30, BRIDGEWATER SPINNING - JENNIFER, 14:00, PISCATAWAY CARDIO - JENNIFER, 18:30, SOMERVILLE PILATES - KIM, 9:30, FRANKLIN SPINNING - KIM, 14:00, FRANKLIN CARDIO - KIM, 18:30, PISCATAWAY PILATES - DAVIS, 9:30, PISCATAWAY

			PILATES - DAVIS, 14:00, EDISON CARDIO - DAVIS, 18:30, BRIDGEWATER SPINNING - DENISE, 9:30, BRIDGEWATER CARDIO - DENISE, 14:00, SOMERVILLE SPINNING - DENISE, 18:30, EDISON SPINNING - EMMA, 9:30, FRANKLIN PILATES - EMMA, 14:00, EDISON CARDIO - EMMA, 18:30, EDISON -end of class list.

3	When checking in members, first name, last name, date of birth, and fitness class cannot be empty	● Attempt to check in members with blank first names, last names, date of births, or fitness classes
		● Test data:
		   ○
		   ○ "Mary", "Lindsey", "12/1/1989", Null
		   ○ "Mary", "Lindsey", Null, "Pilates - Kim, 9:30, Franklin"
		   ○ "Mary", Null, "12/1/1989", "Pilates - Kim, 9:30, Franklin"
		   ○ Null, "Lindsey", "12/1/1989", "Pilates - Kim, 9:30, Franklin"
			"Field cannot be empty"

4	A member with an expired membership cannot check into a class	● After performing test case 2, attempt to check in a member with an expired membership ● Test data: ○ "Roy", "Brooks", "8/8/1977", "Pilates - Jennifer, 9:30, Bridgewater"	"Roy Brooks 8/8/1977 membership expired"
5	A member who is not in the member database cannot check into a class	● After performing test case 2, attempt to check in a member who is not in the database ● Test data: ○ "Happy", "Brooks", "10/01/2001", "Pilates - Jennifer, 9:30, Bridgewater"	"Happy Brooks 8/8/1977 is not in the database."
6	A standard member cannot check into a	● After performing test case 2, attempt to check in a standard member at a gym location where	"Mary Lindsey checking in BRIDGEWATER, 08807, SOMERSET - standard membership location restriction."

	class that is not at their location	they do not live • Test data: ○ "Mary", "Lindsey", "12/1/1989", "Pilates - Jennifer, 9:30, Bridgewater"	

7	A standard member can check into a class that is at their location	• After performing test case 2, attempt to check in a standard member at a valid gym location
		 • Test data:
		  ○ "Mary", "Lindsey", "12/1/1989", "Pilates - Kim, 9:30, Franklin"
			"Mary Lindsey checked in PILATES - KIM, 9:30, FRANKLIN
			
			 - Participants -
			  Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET"

8	A premium or family member can check into a class that is at any location	• After performing test case 2, attempt to check in family and premium members at other locations
		 • Test data:
		  ○ "Jerry", "Brown", "6/30/1979", "Pilates - Davis, 9:30, Piscataway"
		  ○ "Jonnathan", "Wei", "9/21/1992", "Pilates - Davis, 9:30, Piscataway"
			Jerry Brown checked in PILATES - DAVIS, 9:30, PISCATAWAY
			 - Participants -
			  Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1
			
			 AND
			
			 Jonnathan Wei checked in PILATES - DAVIS, 9:30, PISCATAWAY
			 - Participants -
			  Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1
			  Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 3

9	A member cannot check into a class that they are already checked into	• After performing test cases 2, 7, and 8, attempt to check in a member to a class they are already a part of
		 • Test data:
		  ○ "Mary", "Lindsey", "12/1/1989", "Pilates - Kim, 9:30, Franklin"
		  ○ "Jerry", "Brown", "6/30/1979",
			• Mary Lindsey already checked in.
			 • Jerry Brown already checked in.

		"Pilates - Davis, 9:30, Piscataway"	
10	A member cannot check into a class that occurs at the same time as a class they are already checked into	- After performing test cases 2, 7, and 8, attempt to check in a member to a class that has a time conflict - Test data: "Mary", "Lindsey", "12/1/1989", "Spinning - Emma, 9:30, Franklin" "Jonnathan", "Wei", "9/21/1992", "Pilates - Kim, 9:30, Franklin"	- Time conflict - SPINNING - EMMA, 9:30, FRANKLIN, 08873, SOMERSET - Time conflict - PILATES - KIM, 9:30, FRANKLIN, 08873, SOMERSET
11	A member can check into multiple classes, as long as they are not at the same time	- After performing test cases 2, 7, and 8, attempt to check in member into another class that does not have a time conflict - Test data: "Jerry", "Brown", "6/30/1979", "Spinning - Kim, 14:00, Franklin"	Jerry Brown checked in SPINNING - KIM, 14:00, FRANKLIN - Participants - Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1
12	A standard member cannot have a guest check into a class	- After performing above test cases, attempt to have a standard member check in a guest - Test data: "Jane", "Doe", "5/1/1996", "Spinning - Denise, 9:30, Bridgewater", "Guest"	"Standard membership - guest check-in is not allowed."
13	Guests cannot check into a fitness class that is not at the member location	- After performing above test cases, attempt to have a guest of a premium or family check in a guest not at their location - Test data: "Jonnathan", "Wei", "9/21/1992", "Cardio - Emma, 18:30, Edison", "Guest" "Jerry", "Brown", "6/30/1979", "Cardio - Davis, 18:30, Bridgewater", "Guest"	- Jonnathan Wei Guest checking in EDISON, 08837, MIDDLESEX - guest location restriction. - Jerry Brown Guest checking in BRIDGEWATER, 08807, SOMERSET - guest location restriction.
14	Every time a guest checks in for a family or premium membership, the	- After attempting above test cases, attempt to check in guest of family or premium member at a valid location - Test data:	Jonnathan Wei (guest) checked in SPINNING - DENISE, 9:30, BRIDGEWATER - Guests - Jonnathan Wei, DOB: 9/21/1992, Membership

	number of guest passes that the member has decreases by 1	○ "Jonnathan", "Wei", "9/21/1992", "Spinning - Denise, 9:30, Bridgewater", "Guest"
		○ "Jonnathan", "Wei", "9/21/1992", "Cardio - Davis, 18:30, Bridgewater", "Guest"
		○ "Jonnathan", "Wei", "9/21/1992", "Cardio - Davis, 18:30, Bridgewater", "Guest"
		○ "Jerry", "Brown", "6/30/1979", "Pilates - Davis, 14:00, Edison", "Guest"
			expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 2
			
			And
			
			Jonnathan Wei (guest) checked in CARDIO - DAVIS, 18:30, BRIDGEWATER
			- Guests -
			    Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 1
			
			And
			
			Jonnathan Wei (guest) checked in CARDIO - DAVIS, 18:30, BRIDGEWATER
			- Guests -
			    Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 0
			    Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 0
			
			And
			
			Jerry Brown (guest) checked in PILATES - DAVIS, 14:00, EDISON
			- Guests -
			    Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 0

15	If a family or premium member has no more guest passes, the guest cannot check in	● After performing above test cases, attempt to check in guest of premium or family member with no more guest passes ● Test data: ○ "Jonnathan", "Wei", "9/21/1992",	● Jonnathan Wei ran out of guest pass. ● Jerry Brown ran out of guest pass.

		"Cardio - Davis, 18:30, Bridgewater", "Guest" ○ "Jerry", "Brown", "6/30/1979", "Pilates - Davis, 14:00, Edison", "Guest"	
16	A member cannot drop a class if they are not in the database	● Attempt to have a member drop a class if they are not in the database ○ "Jonah", "Donut", "9/21/1992", "Cardio - Davis, 18:30, Bridgewater"	● "Jonah Donut 9/21/1992 is not in the database."
17	A member cannot drop a class if they did not check in	● After running above test cases, attempt to have members drop classes they did not check into ● Test data: ○ "Mary", "Lindsey", "12/1/1989", "Cardio - Emma, 18:30, Edison" ○ "Jerry", "Brown", "6/30/1979", "Cardio - Emma, 18:30, Edison"	● "Mary Lindsey did not check in." ● "Jerry Brown did not check in"
18	A member can drop a class if they checked in	● After running above test cases, attempt to have members drop classes they checked into ● Test data: ○ "Mary", "Lindsey", "12/1/1989", "Pilates - Kim, 9:30, Franklin"	● "Mary Lindsey done with the class"
19	A guest of a member cannot drop a class if they are not checked in	● After running above test cases attempt to have guests of members drop classes they did not check into ● Test data: ○ "Jerry", "Brown", "6/30/1979", "Cardio - Davis, 18:30, Bridgewater", "Guest"	● Jerry Brown (Guest) did not check in.
20	A guest of a member can drop a class if they are checked in	● After running the above test cases, attempt to have guests of members drop classes they checked into ● Test data: ○ "Jonnathan", "Wei", "9/21/1992", "Cardio - Davis, 18:30, Bridgewater",	● Jonnathan Wei Guest done with the class. ● Jerry Brown Guest done with the class.

		"Guest" ○ "Jerry", "Brown", "6/30/1979", "Pilates - Davis, 9:30, Edison", "Guest"	

21	The show all classes button should show all the fitness classes, and their participants	• After running all the above test cases, click the "show all classes" button
		• Test data:
		  ○ Click the show all classes button in the class schedule tab in information hub
			-Fitness classes-
			PILATES - JENNIFER, 9:30, BRIDGEWATER
			SPINNING - JENNIFER, 14:00, PISCATAWAY
			CARDIO - JENNIFER, 18:30, SOMERVILLE
			PILATES - KIM, 9:30, FRANKLIN
			SPINNING - KIM, 14:00, FRANKLIN
			- Participants -
			    Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1
			CARDIO - KIM, 18:30, PISCATAWAY
			PILATES - DAVIS, 9:30, PISCATAWAY
			- Participants -
			    Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1
			    Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 1
			PILATES - DAVIS, 14:00, EDISON
			CARDIO - DAVIS, 18:30, BRIDGEWATER
			- Guests -
			    Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 1
			SPINNING - DENISE, 9:30, BRIDGEWATER
			- Guests -
			    Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 1
			CARDIO - DENISE, 14:00, SOMERVILLE
			SPINNING - DENISE, 18:30, EDISON
			SPINNING - EMMA, 9:30, FRANKLIN

			PILATES - EMMA, 14:00, EDISON CARDIO - EMMA, 18:30, EDISON -end of class list.

FXML tabs being tested: Membership fee in information hub			
Test case #	Requirement	Test Description and input data	Expected result/output
1	The First Bill button in membership fee should display the membership fees for the members in the database, with the one time fee included	• Click on "First Bill" button in membership fee • Test data: ○ Click on "First Bill" button in membership fee tab	-list of members with membership fees- John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET, Membership fee: $149.96 John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807, SOMERSET, Membership fee: $149.96 Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX, Membership fee: $149.96 April March, DOB: 3/31/1990, Membership expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX, Membership fee: $149.96 Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET, Membership fee: $149.96 Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET, Membership fee: $149.96 Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET, Membership fee: $149.96 Roy Brooks, DOB: 9/9/1977, Membership expired 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET, Membership fee: $149.96

			Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET, Membership fee: $149.96 Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX, Membership fee: $149.96 Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX, Membership fee: $149.96 Paul Siegel, DOB: 6/30/1999, Membership expires 2/6/2023, Location: FRANKLIN, 08873, SOMERSET, Membership fee: $149.96 Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1, Membership fee: $209.96 Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 3, Membership fee: $659.89 -end of list-
2	The Next Bill button in membership fee should display the membership fees for the members in the database, with the one time fee not included	• Click on "Next Bill" button in membership fee • Test data: ○ Click on "First Bill" button in membership fee tab	-list of members with membership fees- John Doe, DOB: 1/20/2004, Membership expires 2/15/2023, Location: BRIDGEWATER, 08807, SOMERSET, Membership fee: $119.97 John Doe, DOB: 1/20/2003, Membership expired 3/30/2021, Location: BRIDGEWATER, 08807, SOMERSET, Membership fee: $119.97 Jane Doe, DOB: 5/1/1996, Membership expires 6/20/2023, Location: EDISON, 08837, MIDDLESEX, Membership fee: $119.97 April March, DOB: 3/31/1990, Membership expires 12/30/2022, Location: PISCATAWAY, 08854, MIDDLESEX, Membership fee: $119.97 Mary Lindsey, DOB: 12/1/1989, Membership expires 5/31/2023, Location: FRANKLIN, 08873, SOMERSET, Membership fee: $119.97

			Duke Ellington, DOB: 2/29/2000, Membership expires 4/30/2023, Location: FRANKLIN, 08873, SOMERSET, Membership fee: $119.97 Roy Brooks, DOB: 8/8/1977, Membership expired 9/30/2020, Location: SOMERVILLE, 08876, SOMERSET, Membership fee: $119.97 Roy Brooks, DOB: 9/9/1977, Membership expired 10/30/2022, Location: SOMERVILLE, 08876, SOMERSET, Membership fee: $119.97 Kate Lindsey, DOB: 7/15/1977, Membership expires 8/31/2023, Location: SOMERVILLE, 08876, SOMERSET, Membership fee: $119.97 Carl Brown, DOB: 10/7/1991, Membership expires 3/31/2023, Location: PISCATAWAY, 08854, MIDDLESEX, Membership fee: $119.97 Bill Scanlan, DOB: 5/1/1999, Membership expires 1/31/2023, Location: EDISON, 08837, MIDDLESEX, Membership fee: $119.97 Paul Siegel, DOB: 6/30/1999, Membership expires 2/6/2023, Location: FRANKLIN, 08873, SOMERSET, Membership fee: $119.97 Jerry Brown, DOB: 6/30/1979, Membership expires 2/6/2023, Location: EDISON, 08837, MIDDLESEX, (Family) Guest-pass remaining: 1, Membership fee: $179.97 Jonnathan Wei, DOB: 9/21/1992, Membership expires 11/6/2023, Location: BRIDGEWATER, 08807, SOMERSET, (Premium) Guest-pass remaining: 3, Membership fee: $659.89 -end of list-