

Execution screenshots stage 4: Daniel Sanchez, Adan Delgado

Initial Login:

```
Enter database name (e.g., XYZGym.sqlite): XYZGym.sqlite
[INFO] Successfully connected to XYZGym.sqlite
```

Main Menu:

```
Enter database name (e
[INFO] Successfully co

--- Main Menu ---
1. Members Menu
2. Classes Menu
3. Equipment Menu
4. Logout and Exit
Enter your choice: |
```

Members' Menu: (sub menu)

```
--- Main Menu ---
1. Members Menu
2. Classes Menu
3. Equipment Menu
4. Logout and Exit
Enter your choice: 1

--- Members Menu ---
1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu
Enter your choice: |
```

Display all members: Member Menu choice 1

```
--- Members Menu ---
1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu
Enter your choice: 1
Member ID | Member Name | Email | Age | Membership Plan
-----
1 | John Doe | john@example.com | 25 | Monthly
2 | Jane Smith | jane@example.com | 30 | Annual
3 | Mark Brown | mark@example.com | 18 | Monthly
4 | Lisa White | lisa@example.com | 27 | Annual
5 | James Green | james@example.com | 32 | Monthly
```

```
--- Members Menu ---
1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu
Enter your choice: 2
Enter member name: Danny Ray
Enter email: daanyray@example.com
Enter age: 19
Enter membership start date (YYYY-MM-DD): 2025-05-04
Enter membership end date (YYYY-MM-DD): 2026-05-04
Choose a Membership Plan:
1. Monthly
2. Annual
Enter 1 or 2: 2
[INFO] Member and Payment added successfully.
```

```
--- Members Menu ---
1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu
Enter your choice: 1
Member ID | Member Name | Email | Age | Membership Plan
-----
```

1		John Doe		john@example.com		25		Monthly
2		Jane Smith		jane@example.com		30		Annual
3		Mark Brown		mark@example.com		18		Monthly
4		Lisa White		lisa@example.com		27		Annual
5		James Green		james@example.com		32		Monthly
6		Danny Ray		daanyray@example.com		19		Annual

--- Members Menu ---

1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu

Enter your choice: 3

Available Members:

Member ID	Member Name	Email	Age	Membership Plan
-----------	-------------	-------	-----	-----------------

1	John Doe	john@example.com	25	Monthly
2	Jane Smith	jane@example.com	30	Annual
3	Mark Brown	mark@example.com	18	Monthly
4	Lisa White	lisa@example.com	27	Annual
5	James Green	james@example.com	32	Monthly
6	Danny Ray	daanyray@example.com	19	Annual

Enter the ID of the member to update: 6

Enter new email: dannyray@example.com

Enter new age: 20

[INFO] Member updated successfully.

--- Members Menu ---

1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu

Enter your choice: 1

Member ID	Member Name	Email	Age	Membership Plan
-----------	-------------	-------	-----	-----------------

1	John Doe	john@example.com	25	Monthly
2	Jane Smith	jane@example.com	30	Annual
3	Mark Brown	mark@example.com	18	Monthly
4	Lisa White	lisa@example.com	27	Annual
5	James Green	james@example.com	32	Monthly
6	Danny Ray	dannyray@example.com	20	Annual

--- Members Menu ---

1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu

Enter your choice: 4

Available Members:

Member ID	Member Name	Email	Age	Membership Plan
-----------	-------------	-------	-----	-----------------

1	John Doe	john@example.com	25	Monthly
2	Jane Smith	jane@example.com	30	Annual
3	Mark Brown	mark@example.com	18	Monthly
4	Lisa White	lisa@example.com	27	Annual
5	James Green	james@example.com	32	Monthly
6	Danny Ray	dannyray@example.com	20	Annual

Enter the ID of the member to delete: 6

Are you sure you want to delete member 'Danny Ray'? (Y/N): Y

[INFO] Member deleted successfully.

--- Members Menu ---

1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu

Enter your choice: 1

Member ID	Member Name	Email	Age	Membership Plan
-----------	-------------	-------	-----	-----------------

1	John Doe	john@example.com	25	Monthly
2	Jane Smith	jane@example.com	30	Annual
3	Mark Brown	mark@example.com	18	Monthly
4	Lisa White	lisa@example.com	27	Annual
5	James Green	james@example.com	32	Monthly

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Finding a member by class: Member Menu choice 5

```
--- Members Menu ---
1. Display all members
2. Add new member
3. Update member
4. Delete member
5. Find members by class
6. Return to Main Menu
Enter your choice: 5

Available Classes:
Class ID | Class Name
-----
1 | Yoga Basics
2 | Zumba Dance
3 | HIIT Strength
4 | Weight Training
5 | Advanced Yoga

Enter Class ID to find members: 1

Members attending class:
John Doe
```

Classes Menu: (sub menu)

```
--- Classes Menu ---
1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu
Enter your choice: |
```

List classes and attendance: Classes Menu choice 1

```
--- Classes Menu ---
1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu
Enter your choice: 1
Class ID | Class Name | Attendance
-----
1 | Yoga Basics | 2
2 | Zumba Dance | 1
3 | HIIT Strength | 1
4 | Weight Training | 1
5 | Advanced Yoga | 1
```

--- Classes Menu ---

1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu

Enter your choice: 2

Enter class name: Hybrid Training

Available Class Types: Yoga, Zumba, HIIT, Weights

Enter class type (exactly as shown): Weights

Enter class duration (minutes): 30

Enter class capacity: 10

[INFO] Class added successfully.

--- Classes Menu ---

1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu

Enter your choice: 1

Class ID | Class Name | Attendance

1	Yoga Basics	2
2	Zumba Dance	1
3	HIIT Strength	1
4	Weight Training	1
5	Advanced Yoga	1
6	Hybrid Training	0

--- Classes Menu ---

1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu

Enter your choice: 3

Available Classes:

Class ID	Class Name	Class Type
----------	------------	------------

1	Yoga Basics	Yoga
2	Zumba Dance	Zumba
3	HIIT Strength	HIIT
4	Weight Training	Weights
5	Advanced Yoga	Yoga
6	Hybrid Training	Weights

Enter class ID to update: 6

Enter new class name: Core Training

Available Class Types: Yoga, Zumba, HIIT, Weights

Enter new class type (exactly as shown): Weights

[INFO] Class updated successfully.

--- Classes Menu ---

1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu

Enter your choice: 1

Class ID	Class Name	Attendance
----------	------------	------------

1	Yoga Basics	2
2	Zumba Dance	1
3	HIIT Strength	1
4	Weight Training	1
5	Advanced Yoga	1
6	Core Training	0

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Deleting class: Classes Menu choice 4

--- Classes Menu ---

1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu

Enter your choice: 4

Available Classes:

Class ID	Class Name	Class Type
----------	------------	------------

1	Yoga Basics	Yoga
2	Zumba Dance	Zumba
3	HIIT Strength	HIIT
4	Weight Training	Weights
5	Advanced Yoga	Yoga
6	Core Training	Weights

Enter class ID to delete: 6

Are you sure you want to delete class 'Core Training'? (Y/N): Y

[INFO] Class deleted successfully.

--- Classes Menu ---

1. List classes and attendance
2. Add new class
3. Update class
4. Delete class
5. Return to Main Menu

Enter your choice: 1

Class ID	Class Name	Attendance
----------	------------	------------

1	Yoga Basics	2
2	Zumba Dance	1
3	HIIT Strength	1
4	Weight Training	1
5	Advanced Yoga	1

Equipment Menu: (sub menu)

--- Equipment Menu ---

1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu

Enter your choice: |

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Show all equipment: Equipment Menu choice 1

```
--- Equipment Menu ---
1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu
Enter your choice: 1
Equipment ID | Name | Type | Quantity
-----
1 | Treadmill | Cardio | 5
2 | Bench Press | Strength | 3
3 | Dumbbells | Strength | 10
4 | Rowing Machine | Cardio | 2
5 | Resistance Bands | Flexibility | 15
```

Insert new equipment: Equipment Menu choice 2

```
--- Equipment Menu ---
1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu
Enter your choice: 2
Enter equipment name: Kettle Ball

Available Equipment Types: Cardio, Strength, Flexibility, Recovery
Enter equipment type (exactly as shown): Strength
Enter quantity: 5
[INFO] Equipment inserted successfully.

--- Equipment Menu ---
1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu
Enter your choice: 1
Equipment ID | Name | Type | Quantity
-----
1 | Treadmill | Cardio | 5
2 | Bench Press | Strength | 3
3 | Dumbbells | Strength | 10
4 | Rowing Machine | Cardio | 2
5 | Resistance Bands | Flexibility | 15
6 | Kettle Ball | Strength | 5
```

--- Equipment Menu ---

1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu

Enter your choice: 3

Available Equipment:

Equipment ID	Name	Type	Quantity
1	Treadmill	Cardio	5
2	Bench Press	Strength	3
3	Dumbbells	Strength	10
4	Rowing Machine	Cardio	2
5	Resistance Bands	Flexibility	15
6	Kettle Ball	Strength	5

Enter equipment ID to update: 6

Enter new quantity: 10

[INFO] Equipment updated successfully.

--- Equipment Menu ---

1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu

Enter your choice: 1

Equipment ID	Name	Type	Quantity
1	Treadmill	Cardio	5
2	Bench Press	Strength	3
3	Dumbbells	Strength	10
4	Rowing Machine	Cardio	2
5	Resistance Bands	Flexibility	15
6	Kettle Ball	Strength	10

--- Equipment Menu ---

1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu

Enter your choice: 4

Available Equipment:

Equipment ID	Name	Type	Quantity
--------------	------	------	----------

1	Treadmill	Cardio	5
2	Bench Press	Strength	3
3	Dumbbells	Strength	10
4	Rowing Machine	Cardio	2
5	Resistance Bands	Flexibility	15
6	Kettle Ball	Strength	10

Enter equipment ID to delete: 6

Are you sure you want to delete equipment 'Kettle Ball'? (Y/N): Y

[INFO] Equipment deleted successfully.

--- Equipment Menu ---

1. Show all equipment
2. Insert new equipment
3. Update equipment
4. Delete equipment
5. Return to Main Menu

Enter your choice: 1

Equipment ID	Name	Type	Quantity
--------------	------	------	----------

1	Treadmill	Cardio	5
2	Bench Press	Strength	3
3	Dumbbells	Strength	10
4	Rowing Machine	Cardio	2
5	Resistance Bands	Flexibility	15