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Part 4 Execution PDF

Data Base Selection:

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Initializing database

DATABASE CONNECTION
=====
Enter DB filename (ex. XYZGym.sqlite) (or '0' to quit): xyzgym.sqlite
Connected to 'XYZGym.sqlite'

Press ENTER to continue.

```

Main Menu:

```

MAIN MENU
-----
Please make a selection to open the appropriate menu.
1) Members Menu
2) Classes Menu
3) Equipment Menu
0) Exit
Choose an option:

```

Members Menu:

```

MEMBERS MENU
-----
1) Display all members
2) Add a new member
3) Update a member
4) Delete a member
0) Go back to main menu
Choose an option:

```

Display members:

```

MEMBERS MENU
-----
1) Display all members
2) Add a new member
3) Update a member
4) Delete a member
0) Go back to main menu
Choose an option: 1

MEMBERS
(1, 'Bruce Wayne', 'bruce@wayneenterprises.com', '+1 555 555-0001', '1007 Mountain Dr, Gotham', 35, '2025-01-01', '2026-01-01')
(2, 'Wally West', 'peter@centralcity.gov', '+1 555 555-0002', '502 Bradford Street, Central City, MS', 22, '2025-02-01', '2025-03-01')
(3, 'Diana Prince', 'diana@themyscira.com', '+1 555 555-0003', 'Themyscira, Aegean Sea', 30, '2025-03-01', '2025-04-01')
(4, 'Clark Kent', 'clark@dailyplanet.com', '+1 555 555-0004', '344 Clinton St, Metropolis', 33, '2025-04-01', '2026-04-01')
(5, 'J'onn J'onzz', 'martian@watchtower.com', '+1 555-1955', 'Watchtower, Earth Orbit', 350, '2025-01-01', '2026-01-01')
(6, 'test', 'test@gmail.com', '555', '1234,545767', 16, '2025-05-03', '2025-06-03')

Press ENTER to go back.

```

Add new member:

MEMBERS MENU

- 1) Display all members
- 2) Add a new member
- 3) Update a member
- 4) Delete a member
- 0) Go back to main menu

Choose an option: 2

ADD MEMBER

Enter the following details to add a new member:

Name: John

Email: johndoe@gmail.com

Phone: 5555415555

Address: 123 fake street, portales

Age:50

MEMBERSHIP PLAN

- 1) (1, 'Monthly', 8.99)
- 2) (2, 'Annual', 99.99)
- 3) (3, 'Monthly', 12.99)
- 4) (4, 'Annual', 80.99)
- 5) (5, 'Monthly', 10.99)

Select a membership plan by number (1-5): 2

Created member with ID 8.

Press ENTER to go back.

Update member:

MEMBERS MENU

- 1) Display all members
- 2) Add a new member
- 3) Update a member
- 4) Delete a member
- 0) Go back to main menu

Choose an option: 3

MEMBER

- 1) (1, 'Bruce Wayne', 'bruce@wayneenterprises.com', '+1 555 555-0001', '1007 Mountain Dr, Gotham', 35, '2025-01-01', '2026-01-01')
- 2) (2, 'Wally West', 'peter@centralcity.gov', '+1 555 555-0002', '502 Bradford Street, Central City, MS', 22, '2025-02-01', '2025-03-01')
- 3) (3, 'Diana Prince', 'diana@themyscira.com', '+1 555 555-0003', 'Themyscira, Aegean Sea', 30, '2025-03-01', '2025-04-01')
- 4) (4, 'Clark Kent', 'clark@dailyplanet.com', '+1 555 555-0004', '344 Clinton St, Metropolis', 33, '2025-04-01', '2026-04-01')
- 5) (5, 'J'onn J'onzz', 'martian@watchtower.com', '+1 555-1955', 'Watchtower, Earth Orbit', 350, '2025-01-01', '2026-01-01')
- 6) (6, 'test', 'test@gmail.com', '555', '1234,545767', 16, '2025-05-03', '2025-06-03')
- 7) (8, 'John', 'johndoe@gmail.com', '5555415555', '123 fake street, portales', 50, '2025-05-04', '2026-05-04')

Select a member by number (1-7): 7

UPDATE MEMBER 8

Enter the new details for the member. Leave blank to keep the current value.

Name (default: John): Jacob

Email (default: johndoe@gmail.com): jacobdoe@gmail.com

Phone (default: 5555415555): 5555555555

Address (default: 123 fake street, portales): 1234 real st., portales

Age (default: 50):45

SELECT A MEMBERSHIP PLAN TO RENEW THE MEMBERSHIP, OR LEAVE BLANK TO KEEP THE CURRENT PLAN

MEMBERSHIP PLAN

- 1) (1, 'Monthly', 8.99)
- 2) (2, 'Annual', 99.99)
- 3) (3, 'Monthly', 12.99)
- 4) (4, 'Annual', 80.99)
- 5) (5, 'Monthly', 10.99)

Select a membership plan by number (1-5): 3

Renewed membership.

Updated member.

Press ENTER to go back.

Delete member:

```
MEMBERS MENU
1) Display all members
2) Add a new member
3) Update a member
4) Delete a member
0) Go back to main menu
Choose an option: 4

MEMBER
1) (1, 'Bruce Wayne', 'bruce@wayneenterprises.com', '+1 555 555-0001', '1007 Mountain Dr, Gotham', 35, '2025-01-01', '2026-01-01')
2) (2, 'Wally West', 'peter@centralcity.gov', '+1 555 555-0002', '502 Bradford Street, Central City, MS', 22, '2025-02-01', '2025-03-01')
3) (3, 'Diana Prince', 'diana@themyscira.com', '+1 555 555-0003', 'Themyscira, Aegean Sea', 30, '2025-03-01', '2025-04-01')
4) (4, 'Clark Kent', 'clark@dailyplanet.com', '+1 555 555-0004', '344 Clinton St, Metropolis', 33, '2025-04-01', '2026-04-01')
5) (5, 'J'onn J'onzz', 'martian@watchtower.com', '+1 555-1955', 'Watchtower, Earth Orbit', 350, '2025-01-01', '2026-01-01')
6) (6, 'test', 'test@gmail.com', '555', '1234,545767', 16, '2025-05-03', '2025-06-03')
7) (8, 'Jacob', 'jacobdoe@gmail.com', '5555555555', '1234 real st., portales', 45, '2025-05-04', '2025-06-04')
Select a member by number (1-7): 7

Warning: This action will delete the member Jacob and all their payments and attendance records. Do you want to proceed? (y/n) [n]: Y

CAUTION: THIS ACTION CANNOT BE UNDONE. PLEASE TYPE THE MEMBER'S NAME TO CONFIRM PERMANENT DELETION.
Name: Jacob

Deleted member Jacob with ID 8.

Press ENTER to go back.
```

Classes menu:

```
CLASSES MENU
1) List classes and attendance
2) Add new class
3) Update class
4) Delete class (with member transfer option)
5) Find members by class
0) Go back
Choose an option: █
```

List classes and attendance:

```
CLASSES MENU
1) List classes and attendance
2) Add new class
3) Update class
4) Delete class (with member transfer option)
5) Find members by class
0) Go back
Choose an option: 1

Classes and Attendance:
(1, 'Zen Yoga', 'Yoga', 60, 15, 0)
(2, 'High-Intensity Spin Class', 'HIIT', 45, 20, 1)
(3, 'Zumba Dance Party', 'Zumba', 50, 25, 0)
(4, 'Strength Training Basics', 'Weights', 75, 12, 7)
(5, 'Weekend Bootcamp', 'Weights', 60, 18, 4)

Press ENTER to continue.
```

Add new class:

```

CLASSES MENU
1) List classes and attendance
2) Add new class
3) Update class
4) Delete class (with member transfer option)
5) Find members by class
0) Go back
Choose an option: 2

Class Name (Max 50 Characters): Hot Yoga
Class type (['Yoga', 'Zumba', 'HIIT', 'Weights']): Yoga
Duration (minutes): 45
Capacity: 15
Instructor ID: 1
Gym ID: 2
Class Added.

Press ENTER to continue.

```

Update class:

```

CLASSES MENU
1) List classes and attendance
2) Add new class
3) Update class
4) Delete class (with member transfer option)
5) Find members by class
0) Go back
Choose an option: 3

Class ID to update: 8
Field to update: ['className', 'classType', 'duration', 'classCapacity', 'instructorId', 'gymId']:
Invalid entry for field type.

CLASSES MENU
1) List classes and attendance
2) Add new class
3) Update class
4) Delete class (with member transfer option)
5) Find members by class
0) Go back
Choose an option: 3

Class ID to update: 8
Field to update: ['className', 'classType', 'duration', 'classCapacity', 'instructorId', 'gymId']: className
New Value: Cold Yoga
Class updated.

Press ENTER to go back.

```

Delete Class:

```
CLASSES MENU
1) List classes and attendance
2) Add new class
3) Update class
4) Delete class (with member transfer option)
5) Find members by class
0) Go back
Choose an option: 4

Class ID to Delete: 8
Class has been deleted.

Press ENTER to continue.■
```

Find member by class:

```
CLASSES MENU
1) List classes and attendance
2) Add new class
3) Update class
4) Delete class (with member transfer option)
5) Find members by class
0) Go back
Choose an option: 5

Class ID: 5

Members in class:
(4, 'Clark Kent', 'clark@dailyplanet.com', '+1 555 555-0004')
(1, 'Bruce Wayne', 'bruce@wayneenterprises.com', '+1 555 555-0001')
(5, 'J'onn J'onzz', 'martian@watchtower.com', '+1 555-1955')

Press ENTER to continue.■
```

Equipment Menu:

```
EQUIPMENT MENU

Please make a selection to perform the selected function.
1) Show all equipment entries.
2) Insert new equipment.
3) Update equipment.
4) Delete equipment
0) Go back
Choose an option: ■
```

Show all equipment:

```
EQUIPMENT MENU
Please make a selection to perform the selected function.
1) Show all equipment entries.
2) Insert new equipment.
3) Update equipment.
4) Delete equipment
0) Go back
Choose an option: 1

(1, 'Speed Force Treadmill', 'Cardio', 10, 2)
(2, 'Bat Dumbbells', 'Strength', 15, 2)
(3, 'Amazonian Training Mats', 'Flexibility', 30, 1)
(4, 'Kryptonian Rowing Machine', 'Cardio', 5, 2)
(5, 'Mjolnir Kettlebells', 'Strength', 12, 2)
EQUIPMENT MENU
Please make a selection to perform the selected function.
1) Show all equipment entries.
2) Insert new equipment.
3) Update equipment.
4) Delete equipment
0) Go back
Choose an option:
```

Insert new equipment:

```
EQUIPMENT MENU
Please make a selection to perform the selected function.
1) Show all equipment entries.
2) Insert new equipment.
3) Update equipment.
4) Delete equipment
0) Go back
Choose an option: 2

Equipment name: Kettlebell
Allowed types: ['Cardio', 'Strength', 'Flexibility']
Equipment type (must match one above): Strength
Quantity (integer): 50
Gym ID (integer): 2

Inserted equipment with ID 16.

Inserted entry:
(16, 'Kettlebell', 'Strength', 50, 2)
Press ENTER to return to the equipment menu.
```

Update equipment:

```
EQUIPMENT MENU
-----
Please make a selection to perform the selected function.
1) Show all equipment entries.
2) Insert new equipment.
3) Update equipment.
4) Delete equipment
0) Go back
Choose an option: 3

Enter equipment ID to update: 16

Current entry:
(16, 'Kettlebell', 'Strength', 50, 2)

Press ENTER at any prompt to keep its current value.

New name [Kettlebell]: Kettle Bell
Allowed types: ['Cardio', 'Strength', 'Flexibility']
New type [Strength]: Strength
New quantity [50]: 45
New Gym ID [2]: 2

Updated entry:
(16, 'Kettle Bell', 'Strength', 45, 2)
Press ENTER to return to the equipment menu.
```

Delete Equipment:

```
EQUIPMENT MENU
-----
Please make a selection to perform the selected function.
1) Show all equipment entries.
2) Insert new equipment.
3) Update equipment.
4) Delete equipment
0) Go back
Choose an option: 4

Enter equipment ID to delete: 16

Selected entry:
(16, 'Kettle Bell', 'Strength', 45, 2)
Are you sure you want to delete equipment #16? (Y/N): Y
Deleted 1 row(s).
Press ENTER to return to the equipment menu.
```

Log out and close connection:

```
MAIN MENU
Please make a selection to open the appropriate menu.
1) Members Menu
2) Classes Menu
3) Equipment Menu
0) Exit
Choose an option: 0

Closing database
PS C:\Users\markg\Desktop\Spring 25 Semester folder\CS359 Database Design and Programming\Database Project\CS359_DatabaseDesign\Part 4> ■
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