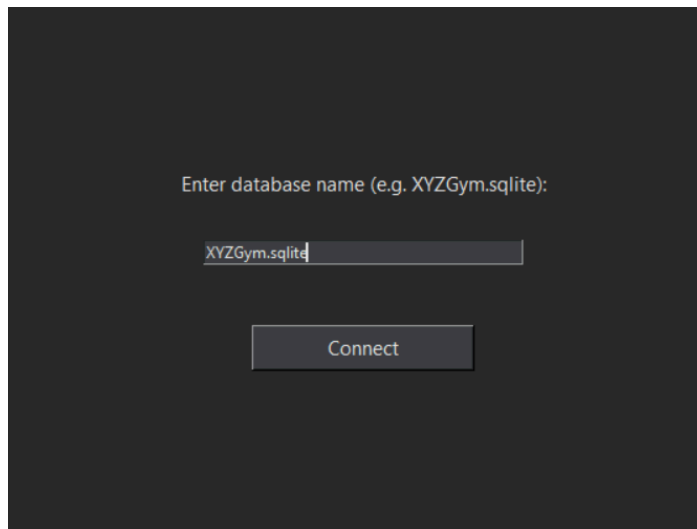
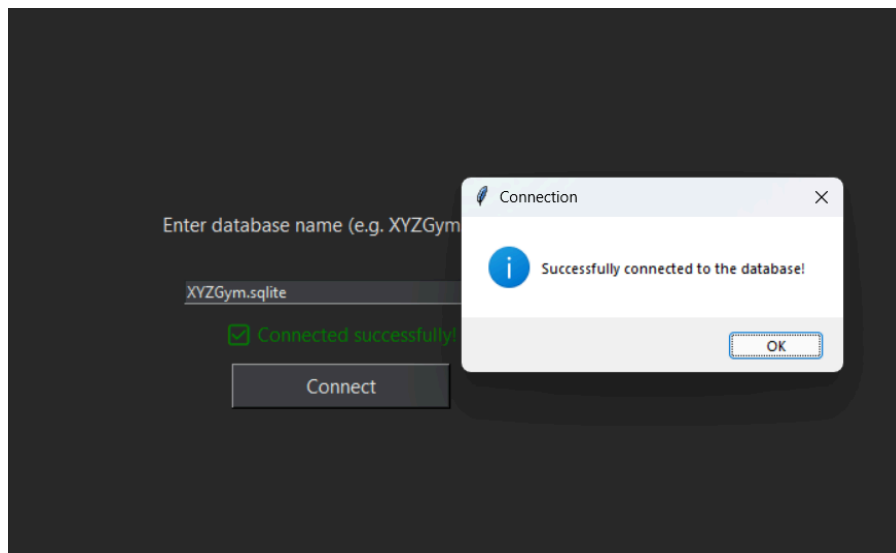


Log-in Screen:

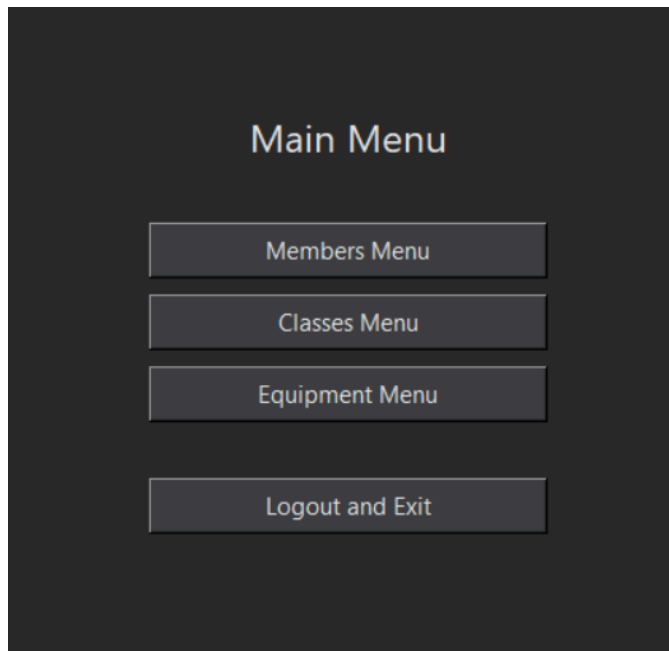


- First screen presented upon starting the program; allows user to type in the name of the database file they intend to connect to, locating it under the program's main directory.



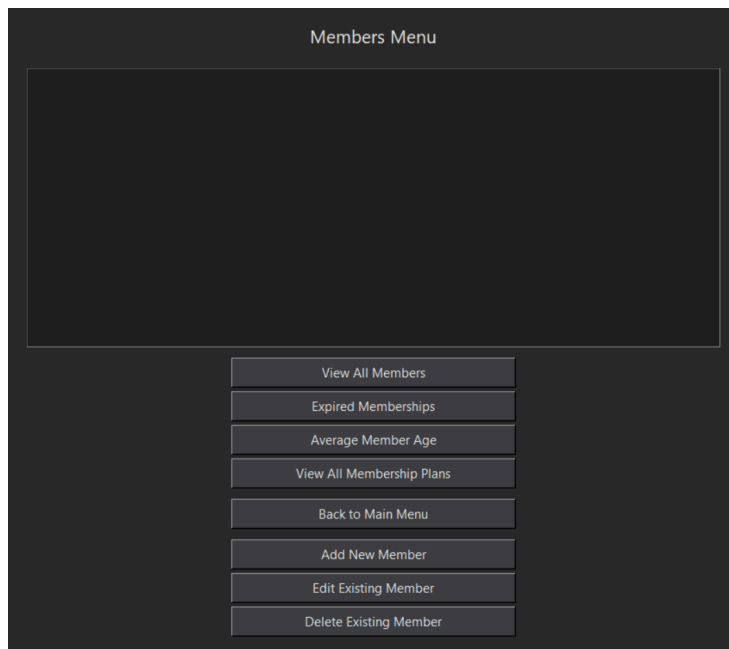
- A screen of this form, with the corresponding popup, is presented with a successful connection. Entering a nonexistent database file will create it instead.

Main Menu:



- Contains the bulk of the program, presenting three buttons towards three separate menus dedicated to CRUD and query operations for the Member, Class, and Equipment tables.
- The “Logout and Exit” prompt does precisely as intended, disconnecting the database and closing the window once pressed.

Members Menu:



- Each table menu presents a screen of this layout, with the output box at the top and an arrangement of command buttons below.

- The buttons situated above the main menu prompt send queries to the database, and print the outputted results in the above box, as such:

```
ID | Name | Email | Age | Membership Plan
-----
1 | Michael Scott | michael.scott@example.com | 45 | Annual
2 | Pam Beesly | pam.beesly@example.com | 28 | Monthly
3 | Jim Halpert | jim.halpert@example.com | 30 | Annual
4 | Dwight Schrute | dwight.schrute@example.com | 35 | Monthly
5 | Angela Martindale | angela.martin@example.com | 32 | Monthly
```

(View All Members query)

```
Expired Memberships:
1 | Michael Scott
2 | Pam Beesly
3 | Jim Halpert
4 | Dwight Schrute
5 | Angela Martindale
```

(View All Members query), etc.

- The three CRUD options below the menu button present new windows that allow for the entry of relevant information; all Member attributes for new additions, Member attributes + existing member ID for editing, and an existing member ID for deletion, as such:

The screenshot shows a web application window titled "Member Table Editing". It contains several input fields and a "Submit" button. The fields are organized into sections:

- Enter: Name, Email, Phone, Address, Age**: Five empty text input fields.
- Select: Start Date and End Date**: Two date selection dropdown menus, both showing "5/5/25".
- (Optional) Select Plan & Enter Payment Date**: A dropdown menu for the plan and a date selection dropdown for the payment date, both showing "5/5/25".
- Assign Class ID and Attendance Date**: A text input field for the class ID and a date selection dropdown for the attendance date, both showing "5/5/25".

A "Submit" button is located at the bottom of the form.

- Entering the correct information into each entry / selection box and pressing “Submit” will perform the given operation, closing the window. Invalid information closes the window without the operation performing, and the error is printed into the CMD console.
- Performed operations will appear in relevant queries afterwards, as expected.

ID	Name	Email	Age	Membership Plan
1	Michael Scott	michael.scott@example.com	45	Annual
2	Pam Beesly	pam.beesly@example.com	28	Monthly
3	Jim Halpert	jim.halpert@example.com	30	Annual
4	Dwight Schrute	dwight.schrute@example.com	35	Monthly
5	Angela Martindale	angela.martin@example.com	32	Monthly
6	Scooby Doo	scoob@example.com	30	None

(After performing an “Add New Member” operation, without a specified membership plan)

- The other table management menus rather closely resemble that of Members, having the same relevant buttons for queries and CRUD operations.

Classes Menu:

Classes Menu

Show All Classes

Top Instructors

Classes by Instructor

Find Members by Class ID

Members Attending All Yoga Classes

Show All Attendance

Recent Class Attendance

Add New Class

Edit Existing Class

Delete Existing Class

Add Class Attendance

Update Class Attendance

Delete Class Attendance

Back to Main Menu

```
ID | Name | Type | Duration | Capacity | Instructor ID | Gym ID
-----
1 | Morning Yoga | Yoga | 60 | 20 | 1 | 1
2 | HIIT Blast | HIIT | 45 | 15 | 2 | 2
4 | Strength Training | Weights | 90 | 10 | 4 | 4
5 | Cardio Kick | HIIT | 60 | 18 | 5 | 5
```

(Show All Classes query)

```
-- Top-Teaching Instructors:
-----
Olivia Harris | Teaches: 1
James Miller | Teaches: 1
Mark Wilson | Teaches: 1
-----
```

(Top Instructors query, showcases instructors teaching the most classes)

- Some queries have information entry boxes, if they require specific parameters:

—

□

×

Instructor ID:

1

Submit

```
-- Classes Taught by Laura Thompson:
-----
-- Phone: 555-1111
Class: Morning Yoga, Type: Yoga, Duration: 60, Capacity: 20
```

(Classes By Instructor query, showcases classes taught by specified instructor)

- For Classes specifically, deleting a class without other operations violates a constraint, and as such, if the specified class has attending members, the user will be prompted to move these members to another class:

(Attempting to delete class with the ID 5, prompting a move of attending members to another)

Equipment Menu:

- The equipment table editing menu has no unique properties when compared to the other menus, featuring the same kind of query options and CRUD functions.

```

ID | Name | Type | Quantity | Gym ID
-----
1 | Treadmill | Cardio | 10 | 1
2 | Bench Press | Strength | 5 | 2
3 | Yoga Mats | Flexibility | 15 | 3
4 | Rowing Machine | Cardio | 6 | 4
5 | Foam Rollers | Recovery | 8 | 5

```

(Show All Equipment query)

(Add New Equipment window prompt)