

Recreational Program Manager:
A Web Application designed for YMCA.



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Developed: January 2023-May 2023

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1. Overview

1.1: Requirements and Assumptions

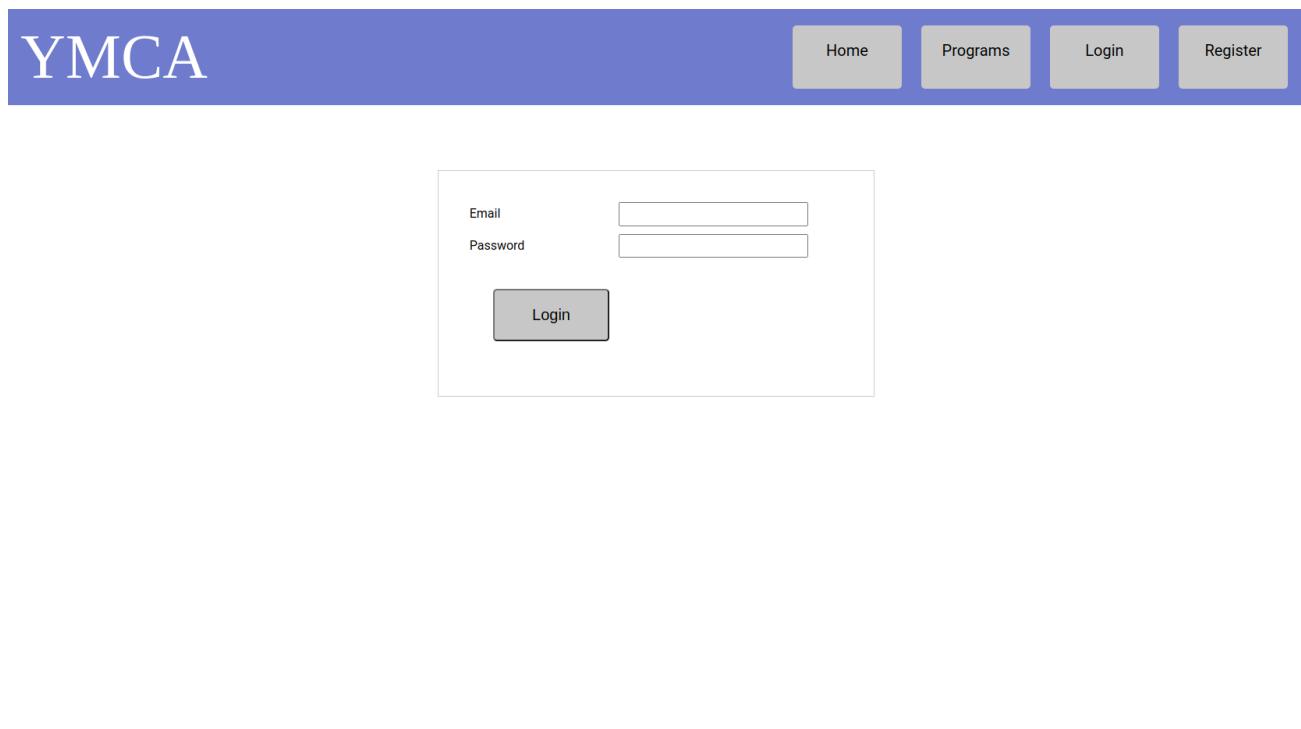
To use this application you must be able to run a modern internet browser (Chrome, Firefox, Edge, Opera Etc.) and have an internet connection.

This application does not support payments for YMCA membership or program registration fees.

Any program that has pre-requisite programs will be handled at the discretion of the YMCA staff and you will be able to register for programs you are ineligible for.

1.2: How To Access

To access our application you will have to run a local instance on a docker container given the source code found on Github at <https://github.com/Andrewsper/CS341FinalProject>. When you navigate to localhost:4200, you will be prompted to either log into an existing account or to register and create a new account.



2. Account Registration/Login

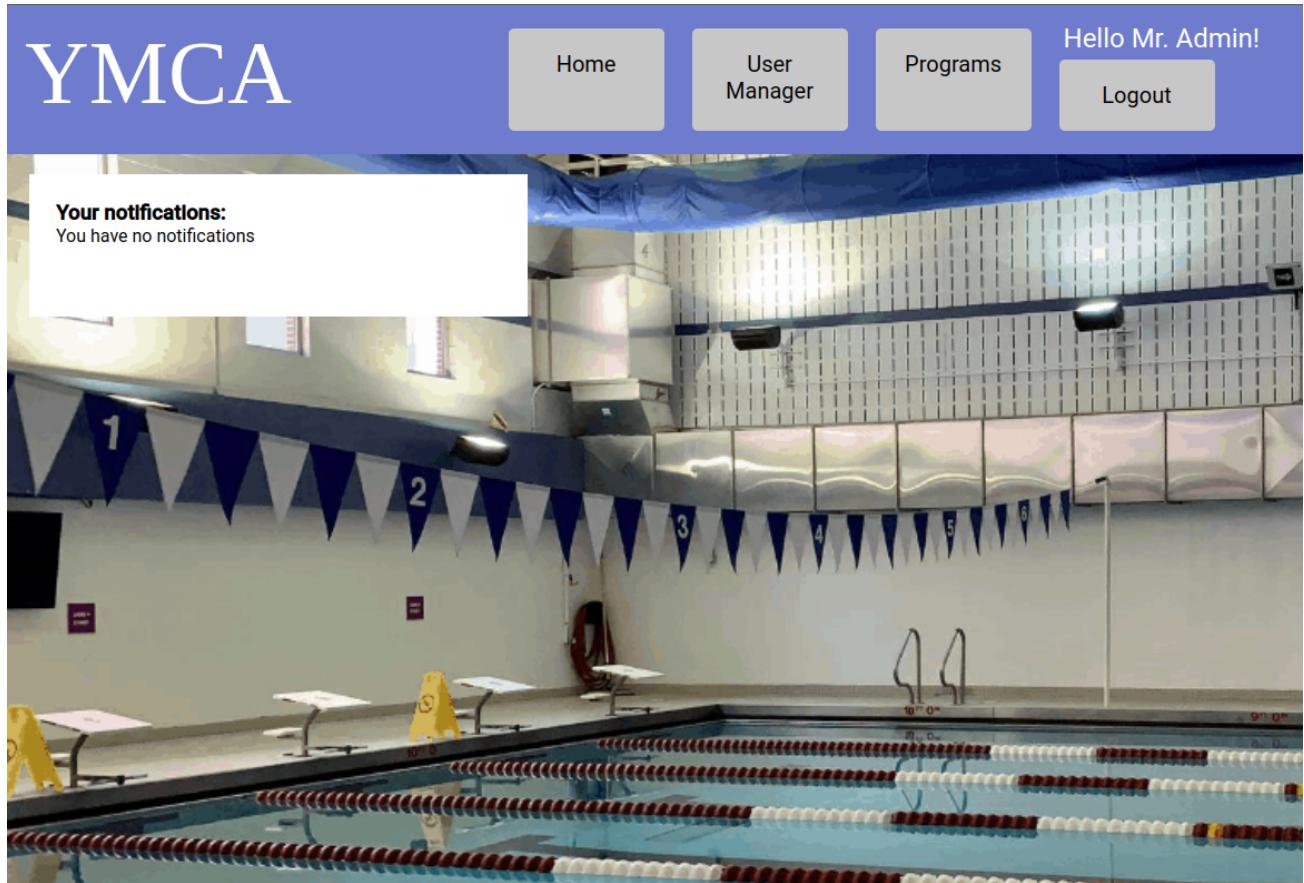
2.1: Create your account

When you arrive at our dashboard page, you will see options in the top right corner for logging in as a user, registering a user, and viewing a list of all available programs. To sign up for a program you will need to register an account by clicking the link. You will be prompted with a form asking for the information required to set up your account (name, phone number, email, password, age, etc.). After successfully registering your new account you will be able to log in through our login page and continue to sign up for programs.

The screenshot shows a web page with a blue header bar. On the left of the header is the text "YMCA". On the right side of the header are four buttons: "Home", "Programs", "Login", and "Register". Below the header is a large white rectangular form area. Inside this form area, there are seven input fields labeled "Email", "First Name", "Last Name", "Street Address", "Zip Code", "Phone Number", and "Password". Below these input fields is another input field labeled "Confirm password". At the bottom of the form is a single button labeled "Register".

2.2: Logging In

Once you have created an account, when you access our login page you can enter your email and password to sign in. If an account is not registered to the given email, or the password given does not match what was used when creating the account you will be alerted that the login information is incorrect. When successfully logged in, you will be redirected to our home page where the buttons for login and register will be replaced with log out and view programs respectively.



3. Signing up for programs

3.1: Program dashboard

On our home screen, you will see a list of cards in the center of the screen containing programs happening in the future. If a program has available seats, you will see a button on the program's card saying "register". Otherwise, the button will say "full" and be inactive. If a program is canceled...

The screenshot shows a mobile application interface for a YMCA. At the top, there is a blue header bar with the YMCA logo on the left and three buttons on the right: "Home", "Programs", and "Hello Jane! / Logout". Below the header, there are two program cards displayed in a grid.

Program Card 1:

- Name:** Shark
- Program ID:** 1
- Dates:** May 21, 2023 - Jun 25, 2023
5:00 PM
- Capacity:** Current Capacity: 1/8
- Price:** \$48
- Location:** YMCA Onalaska pool,
- Duration:** 40 min
- Description:** Participants must have passed pike level before.
- Days Offered:**
 - Sunday
- Status:** No Family Members Signed Up For This Program

Sign Up button (disabled)

Program Card 2:

- Name:** Shark
- Program ID:** 2
- Dates:** May 21, 2023 - Jun 25, 2023
6:00 PM
- Capacity:** Current Capacity: 1/8
- Price:** \$65
- Location:** YMCA Onalaska pool,
- Duration:** 40 min
- Description:** Participants must have passed pike level before.

3.2: Program details

After clicking the register button, you will be prompted to fill in some information about your registration such as how many seats you are registering for. You will also see some information about the programs including the current registration and max capacity, the cost, date and time, location, and a detailed description of what the program is along with any requirements or prerequisites.

The screenshot shows a YMCA website interface. At the top, there's a dark blue header with the YMCA logo on the left and navigation links for Home, Programs, Hello Jane!, and Logout on the right. Below the header, the main content area has a light gray background. On the left, there's a sidebar for a program titled "Shark" (Program ID: 1). It displays the following details:

- Shark**
- Program ID: 1**
- Current Capacity:** 1/8
- Price:** \$48
- Location:** YMCA Onalaska pool
- Description:** Participants must have passed pike level before.
- Days Offered:** Sunday
- No Family Members Signed Up For This Program**

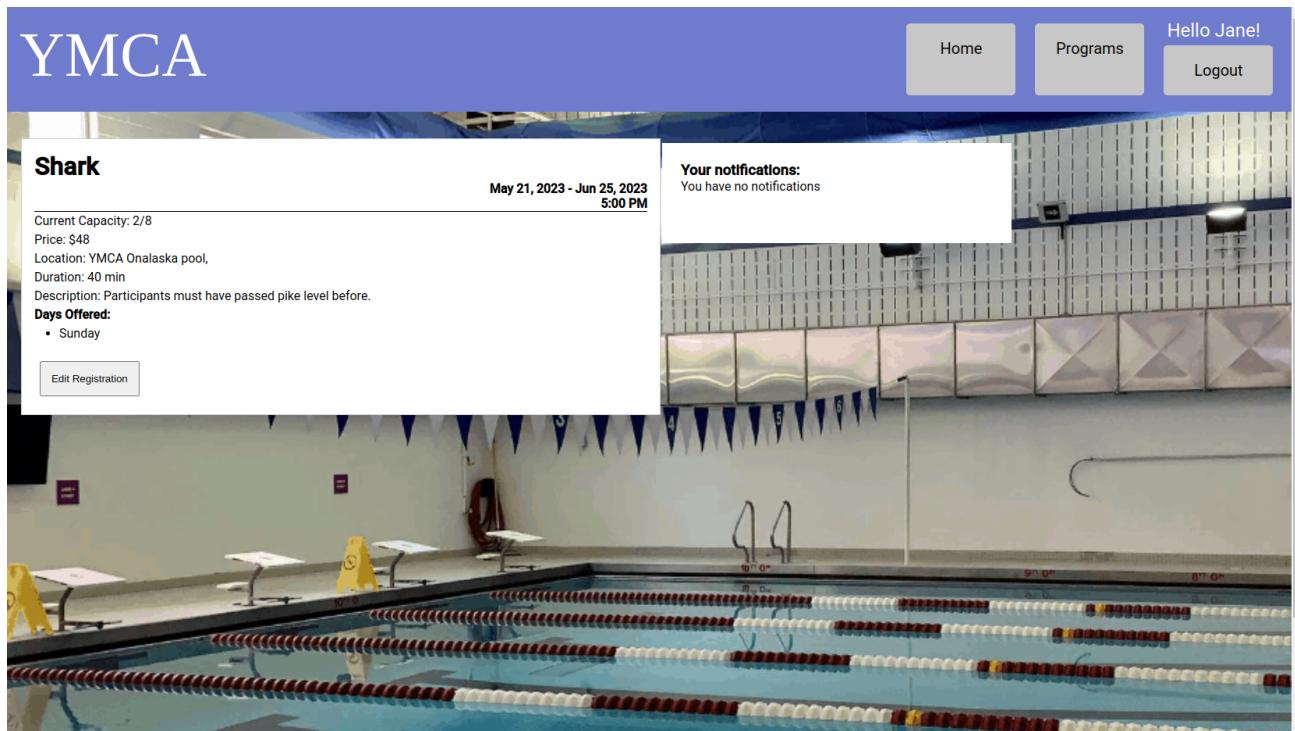
Below this, there's a "Sign Up" button. To the right, there are two large rectangular boxes representing different sessions:

- Session 1:** May 21, 2023 (Jun 25, 2023 5:00 PM)
- Session 2:** Jun 25, 2023 6:00 PM

Both sessions have a "Sign Up" button next to a dropdown menu set to "Jane Doe".

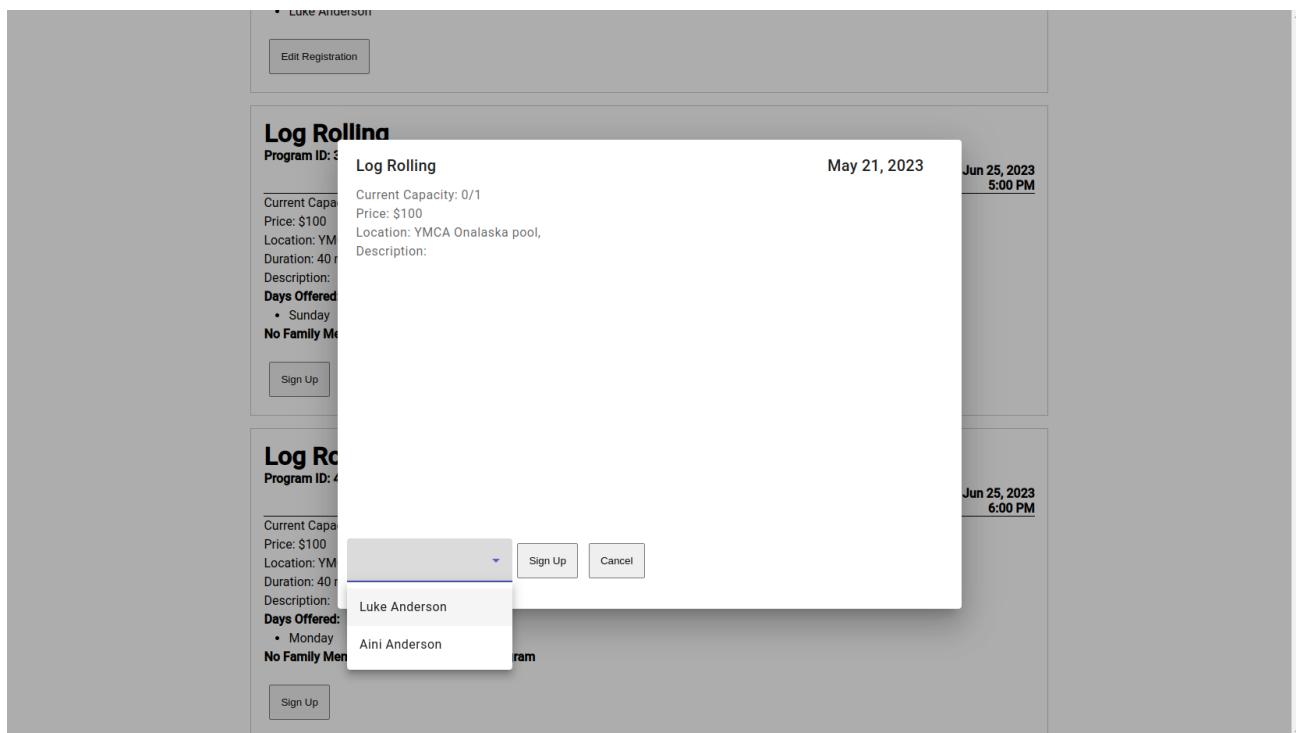
3.3: Find my registered programs

In the upper right-hand navigation links, there is a link to your programs. Clicking that link will bring up a page containing a list of programs your account is registered for. From there you can edit the registration you submitted or even remove your registration for a given program.



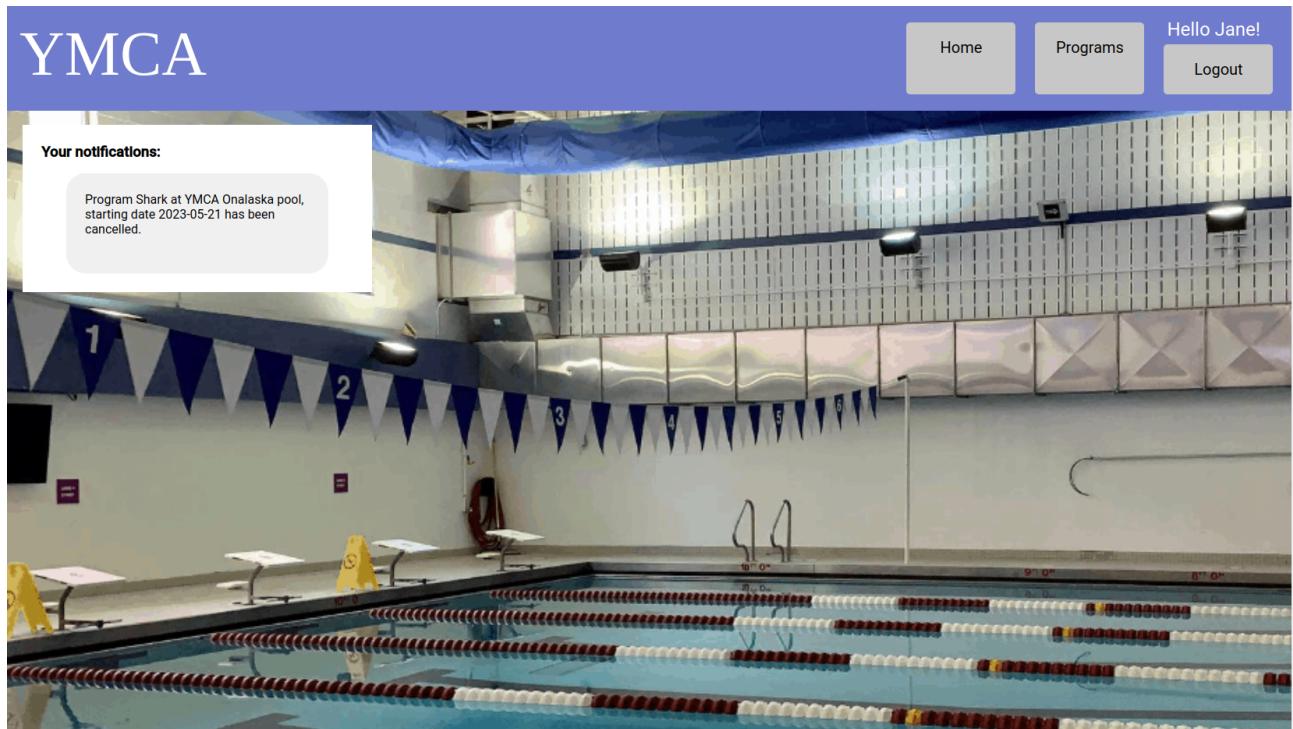
3.4: Family Members

If you have added a family member to your account in-person at one of our many locations, you can also add or remove them from a program registration.



3.5: Program Cancellations

If a program is cancelled, you will be notified of this on your user dashboard when you next login.



4. Administration/Staff Features

4.1: User Manager

When logged in as a staff member, there will be different options available in the navigation links in the top right corner of the home page. One of those options will be a user manager, going to this page you will see a list of all registered users with information about their registered programs, demographic data, and their active status. On this page, staff will have the ability to de-activate/re-activate users' accounts or promote/demote staff members.

The screenshot shows the YMCA User Manager interface. At the top, there is a blue header bar with the YMCA logo on the left and navigation links for Home, User Manager, Programs, Hello Mr. Admin!, and Logout on the right. Below the header, the title "Manage Users" is displayed, followed by a filter input field labeled "Filter by Lastname". The main content area is a table with the following columns: User ID, First Name, Last Name, Email, Phone Number, Address, Zip Code, Member Status, Staff Status, Active Account, and Registered Programs. There are four user rows in the table:

User ID	First Name	Last Name	Email	Phone Number	Address	Zip Code	Member Status	Staff Status	Active Account	Registered Programs
1	Mr. Admin	Moderator	admin@admin.gov	1234567890	123 Admin Street	66666	<button>Revoke Membership</button>	<button>Demote from Staff</button>	<button>Ban</button>	
2	Jane	Doe	jdoe@email.com	1234567890	123 Jane Street	53256	<button>Revoke Membership</button>	<button>Promote to Staff</button>	<button>Ban</button>	
3	Luke	Anderson	landerson@email.com	1234567890	123 Luke Street	82364	<button>Revoke Membership</button>	<button>Promote to Staff</button>	<button>Ban</button>	Shark : Program ID 2
4	Aini	Anderson	aanderson@email.com	1234567890	123 Aini Street	32564	<button>Revoke Membership</button>	<button>Promote to Staff</button>	<button>Ban</button>	Shark : Program ID 1

4.2: Program Manager

The other unique option available to staff members is the program manager page. Navigating to this page will show you a list of all programs currently registered, similar to the user manager. Staff will have the ability to edit any details of the program such as date/time, capacity, name, cost, or description. Staff will also have the ability to cancel any class from this list, which will notify all users registered by showing the program as canceled on the user's program dashboard.

The screenshot displays a web-based program manager interface for the YMCA. At the top, there is a blue header bar with the YMCA logo on the left and navigation links for Home, User Manager, Programs, and Logout on the right. A greeting "Hello Mr. Admin!" is also present. Below the header, there is a button labeled "Add a program". The main content area shows two program details in separate boxes:

Program ID: 1

Shark

May 21, 2023 - Jun 25, 2023
5:00 PM

Current Capacity: 1/8
Price: \$48
Location: YMCA Onalaska pool,
Duration: 40 min
Description: Participants must have passed pike level before.
Days Offered:
• Sunday
No Family Members Signed Up For This Program

[Sign Up](#) [Cancel Program](#)

Program ID: 2

Shark

May 21, 2023 - Jun 25, 2023
6:00 PM

Current Capacity: 1/8
Price: \$65
Location: YMCA Onalaska pool,
Duration: 40 min
Description: Participants must have passed pike level before.
Days Offered:
• Monday
• Wednesday

4.3: Program Creation

On the program manager page, there is also a button to create a program. This will bring up a modal that presents you with a form to fill out with information about the new program such as the days it is offered, what time it starts, how long it runs, how much registering for it costs, the maximum capacity of people who can register for the program, and a description of the program containing any details about pre-requisites for participating in the program.

The screenshot shows the YMCA program manager interface. At the top, there is a navigation bar with links for Home, User Manager, Programs, and Logout. A user is logged in as "Hello Mr. Admin!". On the left, there is a sidebar with a "Add a program" button. In the center, there is a list of existing programs, with one program named "Shark" highlighted. The "Shark" program has a "Program ID: 1" and a "Sign Up" button. To the right of the list, a modal window is open for creating a new program. The modal has fields for Name, Description, Start Date, End Date, Start Time, Duration, Price, Location, and Max Participants. There is also a checkbox for Days Offered (Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday) and a "Create Program" button. Two specific entries are highlighted in the modal: "Jun 25, 2023 5:00 PM" and "Jun 25, 2023 6:00 PM". Below the modal, another program entry for "Shark" (Program ID: 2) is visible.