

Animal Rescue Website

CPSC 471 - Final Project

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Abstract:

The problem addressed in the report is that non-profit organizations do not have the funding to build aesthetically pleasing as well as properly functioning websites and database management systems for their organizations. The purpose of this report is to discuss our group's proposed solution to the lack of this resource in non-profit organizations, specifically animal shelters. The proposed solution is a template to a website that can be easily scaled and modified to suit an organization's needs. The project specified uses PHP to connect the front-end to the database management system, in this case, MySQL using XAMPP localhost and myphpadmin. The template allows regular users to browse the animal listings on the site and view the organization's information and learn about who they are and what they are committed to. In addition, members of the organization and potential adopters may log in to the system and view their specific web pages. This allows organizations to focus on their cause instead of worrying about their website.

Introduction:

Most non-profit organizations have little to no funding to build a proper performing database to help manage and organize their data. Their funds are allocated to other aspects of their organization which can lead to poorly performing websites. The lack of a strong performing database within their systems leads to problems when managing and organizing information. In the case of animal shelters, a poorly performing database can cause a decline or dissatisfaction amongst users.

The solution proposed is an easily accessible interface specifically made to help manage animal shelter data. The interface will allow users to login and be redirected to a page where they can update information in the database according to their role in the organization. The website also allows people from outside the organization to browse the animals up for adoption.

Project Design - Users:

The users in the database are admin, volunteer, caretaker, veterinarian, foster and potential adopter:

Admin has the ability to add and remove new users, events, animals, and shelters in the database.

Volunteers can log and view shelters they have cleaned and sign to volunteer at events.

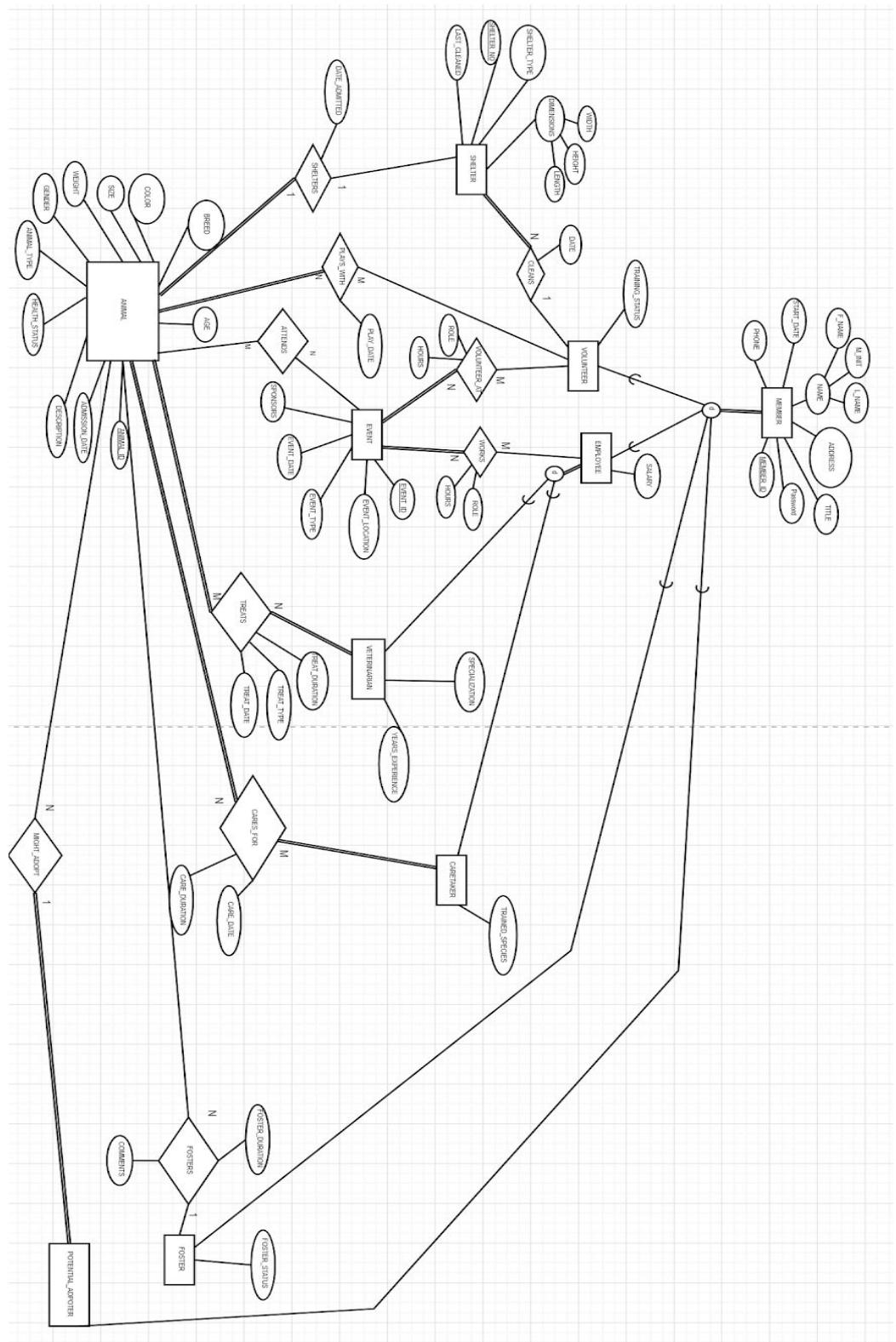
Caretakers can update and view any animals they have cared for.

Veterinarians can log any treatments conducted, and view a history of their treatments.

Potential adopters can add to a list of animals they want to adopt and browse the animals currently up for adoption.

Fosters can record animals they have fostered and view the list of their past and current foster animals.

Project Design - EERD Model:(Refer to ERD.pdf if pixelated)



Implementation - RM Model:



Implementation - DBMS:

MySQL was used as the database management system of our project. MySQL was chosen since it is commonly used for web databases and supports the relational SQL statements learned in the CPSC471 course. Using PHP, the end users are able to submit forms and post data to SQL statements and insert and remove entries in the database. PHP was also used to display data from the database onto the front end using echo.

SQL statements used in the system:

```
[1] INSERT INTO ANIMAL (`animal_id`, `shelter_no`, `name`, `age`, `size`, `weight`, `animal_type`,  
`health_status`, `description`, `admission_date`, `shelter_admit_date`, `gender`, `color`)  
VALUES ('".$id."', '".$sno."', ".$name.", ".$age.", ".$size.", ".$weight.", ".$type.",  
".$health.", ".$desc.", ".$date.", ".$sdate.", ".$sex.", ".$color.");  
  
[2] INSERT INTO EVENT (`event_id`, `event_location`, `event_type`, `event_date`, `sponsors`)  
VALUES ('".$id."', ".$loc.", ".$type.", ".$date.", ".$spons.");  
  
[3] INSERT INTO SHELTER (`shelter_no`, `shelter_type`, `last_cleaned`, `width`, `height`, `length`)  
VALUES ('".$sno."', ".$type., CURRENT_DATE(), ".$width.", ".$height.", ".$length.");  
  
[4] INSERT INTO MEMBER (`member_id`, `phone`, `fname`, `lname`, `minit`, `start_date`, `title`,  
`password`, `address`)  
VALUES ('".$member_id."', ".$phone.", ".$fname.", ".$lname.", ".$minit., CURRENT_DATE(),  
".$title.", ".$pass.", ".$address.");  
  
[5] INSERT INTO EMPLOYEE (`member_id`, `salary`)  
VALUES ('".$member_id."', ".$salary.");  
  
[6] INSERT INTO CARETAKER (`member_id`, `trained_species`)  
VALUES ('".$member_id."', ".$species.");  
  
[7] INSERT INTO FOSTER (`member_id`, `foster_status`)  
VALUES ('".$member_id."', ".$status.");  
  
[8] INSERT INTO VETERINARIAN (`member_id`, `specialization`, `years_experience`)  
VALUES ('".$member_id."', ".$spec.", ".$years.");  
  
[9] INSERT INTO VOLUNTEER (`member_id`, `training_status`)  
VALUES ('".$member_id."', ".$training.");  
  
[10] INSERT INTO CARES_FOR (`member_id`, `animal_id`, `care_date`, `care_duration`)  
VALUES ('".$member_id."', ".$animal_id., CURRENT_DATE(), ".$duration.");  
  
[11] INSERT INTO CLEANS (`shelter_no`, `member_id`, `cleaning_date`)  
VALUES ('".$shelter_no."', ".$member_id., CURRENT_DATE());  
  
[12] INSERT INTO FOSTERS (`member_id`, `animal_id`, `comment`, `duration`)  
VALUES ('".$member_id."', ".$animal_id., ".$comment.", ".$duration.");
```

```

[13] INSERT INTO POTENTIAL_ADOPTER (`member_id`, `animal_id`)
VALUES ('".$member_id."', '".$animal_id."');

[14] INSERT INTO TREATS (`member_id`, `animal_id`, `treat_type`, `treat_date`, `treat_duration`)
VALUES ('".$member_id."', '".$animal_id."', '$type', CURRENT_DATE(), '$duration');

[15] INSERT INTO VOLUNTEERS_AT (`member_id`, `event_id`, `role`, `hours`)
VALUES ('".$member_id."', '$event_id', '$role', '$hours');

[16] INSERT INTO WORKS (`member_id`, `event_id`, `role`, `hours`)
VALUES ('".$member_id."', '$event_id', '$role', '$hours');

[17] SELECT * FROM MEMBER WHERE member_id = '$member_id';

[18] DELETE FROM ANIMAL WHERE animal_id = '$animal_id';

[19] DELETE FROM CARES_FOR
WHERE member_id = '$member_id' AND animal_id = '$animal_id' AND care_date = '$date' ;

[20] DELETE FROM CLEANS
WHERE member_id = '$member_id' AND shelter_no = '$shelter_no' AND cleaning_date = '$date' ;

[21] DELETE FROM EVENT WHERE event_id = '$eid';

[22] DELETE FROM FOSTERS WHERE member_id = '$member_id' AND animal_id = '$animal_id' ;

[23] DELETE FROM MEMBER WHERE member_id = '$member_id';

[24] DELETE FROM POTENTIAL_ADOPTER
WHERE member_id = '$member_id' AND animal_id = '$animal_id' ;

[25] DELETE FROM SHELTER WHERE shelter_no = '$sno';

[26] DELETE FROM TREATS
WHERE member_id = '$member_id' AND animal_id = '$animal_id' AND treat_date = '$date' ;

[27] DELETE FROM VOLUNTEERS_AT
WHERE member_id = '$member_id' AND event_id = '$event_id';

[28] DELETE FROM WORKS WHERE member_id = '$member_id' AND event_id = '$event_id';

[29] SELECT *
FROM rescue.animal as a
WHERE a.animal_id='$.user.';

[30] SELECT *
FROM rescue.event as e
WHERE e.event_id='$.user.';

[31] SELECT *
FROM rescue.member as m
WHERE m.member_id='$.user.' AND m.password='$.pass.';

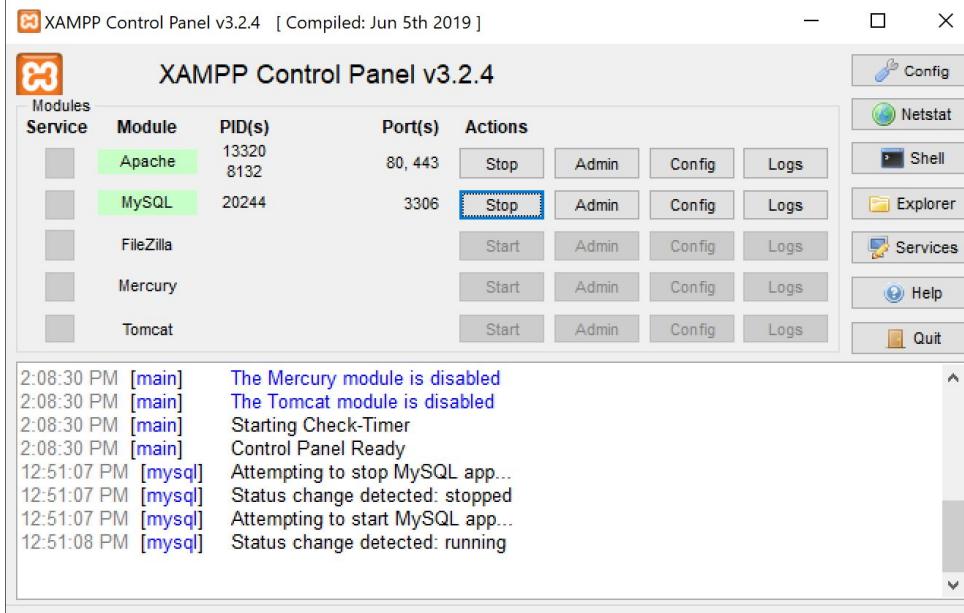
[32] SELECT *
FROM rescue.shelter as s
WHERE s.shelter_no='$.user.';

```

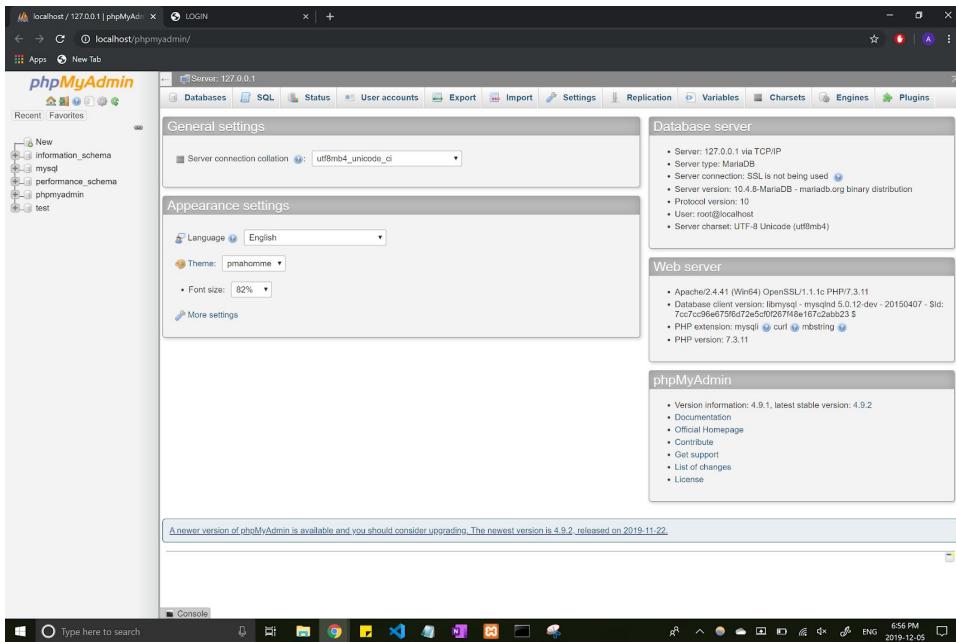
User Manual:

Appendix:

- Image 1



- Image 2



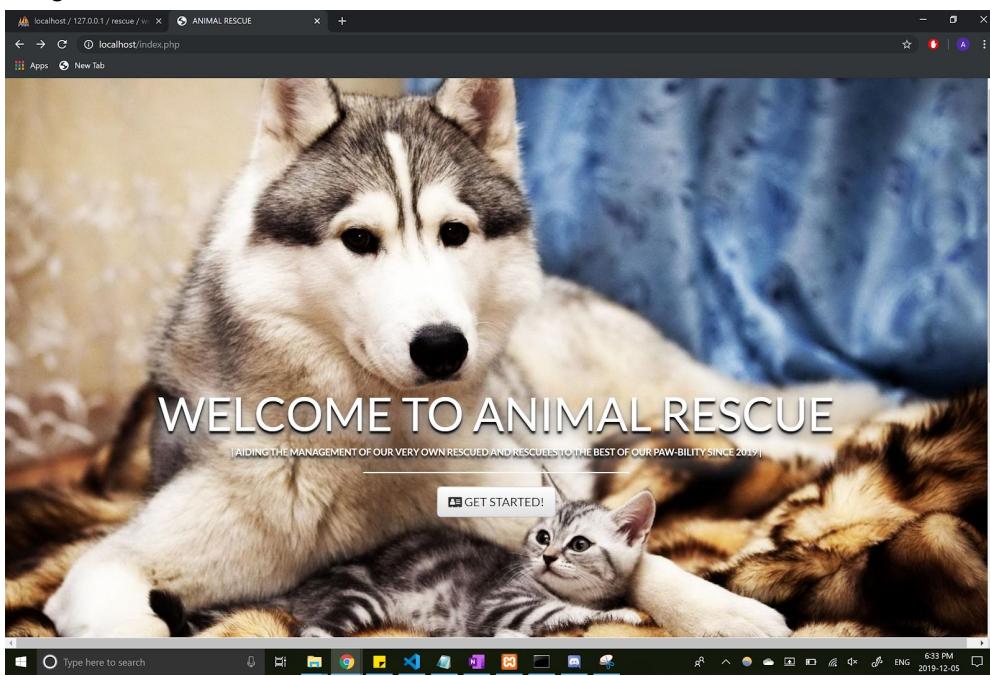
- **Image 3**

The screenshot shows the phpMyAdmin interface for MySQL version 5.7.23. The main menu bar includes 'Databases', 'SQL', 'Status', 'User accounts', 'Export', 'Import', 'Settings', 'Replication', 'Variables', 'Charsets', 'Engines', and 'Plugins'. The 'Databases' tab is selected. On the left, a tree view shows existing databases: information_schema, mysql, performance_schema, phpmyadmin, and test. A 'Create database' button is visible. In the center, a table lists existing databases with their collations and actions. A note at the bottom says: 'Note: Enabling the database statistics here might cause heavy traffic between the web server and the MySQL server.' A 'Console' tab is at the bottom.

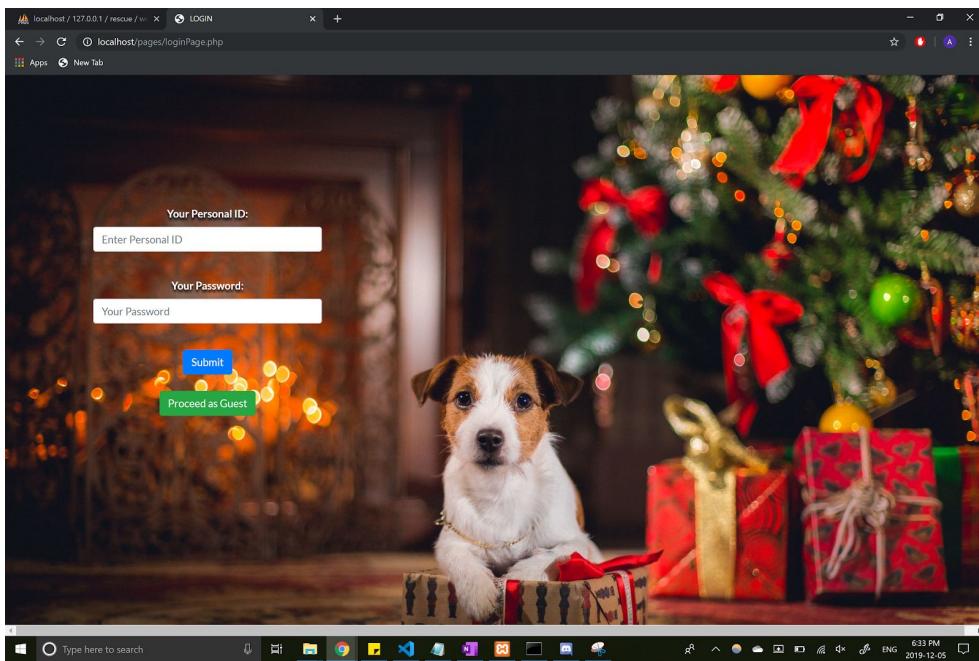
- **Image 4**

The screenshot shows the phpMyAdmin interface for MySQL version 5.7.23. The main menu bar includes 'Structure', 'SQL', 'Search', 'Query', 'Export', 'Import', 'Operations', 'Privileges', 'Routines', 'Events', 'Triggers', 'Tracking', and 'More'. The 'Import' tab is selected. The title is 'Importing into the database "rescue"'. The 'File to import:' section has a 'Choose File' button and a note about compressed files. The 'Partial import:' section has a checkbox for allowing interruptions and a field for skipping queries. The 'Other options:' section has a checkbox for enabling foreign key checks. The 'Format:' section has a dropdown set to 'SQL'. The 'Format-specific options:' section includes 'SQL compatibility mode: NONE' and a checkbox for 'Do not use AUTO_INCREMENT for zero values'. A 'Go' button is at the bottom.

- **Image 5**



- **Image 6**



- **Image 7**

localhost / 127.0.0.1 / rescue | ph x ADMIN localhost/pages/admin MainPage.php +
ADMIN ANIMAL EVENT SHELTER LOGOUT

WELCOME ADMIN

ADD VOLUNTEER:

First Name:	Middle Initial(s):	Last Name:
First Name		Last Name
Unique Member ID:	Password:	Training Completed?
Member ID	Password	<input type="checkbox"/>
Address:	Phone Number:	Start Date:
Address	1112223333	yyyy-mm-dd

Submit

- **Image 8**

localhost / 127.0.0.1 / rescue | ph x ADMIN localhost/pages/admin MainPage.php +
ADMIN ANIMAL EVENT SHELTER LOGOUT

WELCOME ADMIN

ADD VOLUNTEER:

First Name:	Middle Initial(s):	Last Name:
John	P	Sanders
Unique Member ID:	Password:	Training Completed?
10000005	****	<input checked="" type="checkbox"/>
Address:	Phone Number:	Start Date:
123 idk street, NE	403000000	1990-02-12

Submit

- **Image 9**

WELCOME ADMIN

ADD VOLUNTEER:

First Name:	Middle Initial(s):	Last Name:
Dick	D	Richards
Unique Member ID:	Password:	Training Completed?
100000015	*****	<input type="checkbox"/>
Address:	Phone Number:	Start Date:
222 New Street, SW	1112223333	1900-08-09

Submit

- **Image 10**

Showing rows 0 - 2 (3 total). Query took 0.0007 seconds.

member

member_id	phone	fname	lname	minit	start_date	title	address	password
100000005	4030000000	John	Sanders	P	1990-02-12	Volunteer	123 1st street, NE	johns
100000015	1112223333	Dick	Richards	D	1900-08-09	Volunteer	222 New Street, SW	dickr
11111111	1231231234	Admin	Account	AA	2019-11-26	Admin	Main Headquarters	admin

- **Image 11**

The screenshot shows three stacked forms on a Windows desktop. The top form is titled "Member Information" and contains fields for Member ID, Password, Address, and Phone Number. The middle form is titled "REMOVE MEMBER:" and contains a Unique Member ID field with the value "100000005" and a Submit button. The bottom form is titled "ADD EVENT:" and contains fields for Event ID, Event Date (yyyy-mm-dd), and Event Type (Charity, Gala, etc.). The desktop taskbar at the bottom shows various open applications.

- **Image 12**

The screenshot shows the "member" table in phpMyAdmin. The table structure includes columns: member_id, phone, fname, lname, minit, start_date, title, address, and password. Two rows are visible:

member_id	phone	fname	lname	minit	start_date	title	address	password
100000015	1112223333	Dick	Richards	D	1900-08-09	Volunteer	222 New Street, SW	dickr
111111111	1231231234	Admin	Account	AA	2019-11-26	Admin	Main Headquarters	admin

The left sidebar shows the database structure with tables like information_schema, mysql, performance_schema, phpmyadmin, and rescue.

- **Image 13**

ADD CARETAKER:

First Name:	Middle Initial(s):	Last Name:	
Mob	P	Hundred	
Species Trained For:	Salary:	Unique Member ID:	Password:
Dog	100000	100000001	*****
Address:	Phone Number:	Start Date:	
292 Ghost road, SE	4879298282	2000-02-03	

Submit

- **Image 14**

ADD CARETAKER:

First Name:	Middle Initial(s):	Last Name:	
Bruce	B	Wayne	
Species Trained For:	Salary:	Unique Member ID:	Password:
Bat	1000000	10000001	*****
Address:	Phone Number:	Start Date:	
4 gotham manor, NE	5215255252	1980-09-23	

Submit

ADD VETERINARIAN:

First Name:	Middle Initial(s):	Last Name:	
First Name	Last Name		
Specialization:	Salary:	Unique Member ID:	Password:

Submit

- **Image 15**

localhost / 127.0.0.1 / rescue / member | ADMIN | +

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=member&pos=0

phpMyAdmin

Server: 127.0.0.1 » Database: rescue » Table: member

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 3 (4 total, Query took 0.0009 seconds.)

SELECT * FROM `member`

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

member_id	phone	fname	lname	minit	start_date	title	address	password
100000001	4879296282	Mob	Hundred	P	2000-02-03	Caretaker	292 Ghost road, SE	mob100
100000011	5215255252	Bruce	Wayne	B	1980-09-23	Caretaker	4 gotham manor, NE	batman
100000015	1112223333	Dick	Richards	D	1900-08-09	Volunteer	222 New Street, SW	dickr
111111111	1231231234	Admin	Account	AA	2019-11-26	Admin	Main Headquarters	admin

+ Options Check all With selected: Edit Copy Delete

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

- **Image 16**

localhost / 127.0.0.1 / rescue / member | ADMIN | +

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=member&pos=0

phpMyAdmin

Server: 127.0.0.1 » Database: rescue » Table: member

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0014 seconds.)

SELECT * FROM `member`

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

member_id	phone	fname	lname	minit	start_date	title	address	password
100000001	4879296282	Mob	Hundred	P	2000-02-03	Caretaker	292 Ghost road, SE	mob100
100000011	1112223333	Dick	Richards	D	1900-08-09	Volunteer	222 New Street, SW	dickr
111111111	1231231234	Admin	Account	AA	2019-11-26	Admin	Main Headquarters	admin

+ Options Check all With selected: Edit Copy Delete

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

- **Image 17**

A screenshot of a web browser window titled "ADMIN". The URL is "localhost/pages/adminMainPage.php". The page displays a form for adding a veterinarian. The form fields include:

- First Name: Doc
- Middle Initial(s): MD
- Last Name: Brown
- Specialization: Check ups
- Salary: 200020
- Unique Member ID: 10000002
- Password: ****
- Address: 112 Greendale, NE
- Phone Number: 2463328495
- Start Date: 2018-07-22
- Years of Experience: 5

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

● **Image 18**

A screenshot of a Windows desktop. The taskbar shows various pinned icons and the date/time as 12:59 AM 2019-12-06. The system tray indicates ENG and a battery level of 100%. The desktop background is white.

The desktop contains two overlapping windows:

- ADD VETERINARIAN:** A form with fields:
 - First Name: Mark
 - Middle Initial(s): MD
 - Last Name: Dess
 - Specialization: Infections
 - Salary: 129384
 - Unique Member ID: 100000012
 - Password: ****
 - Address: 748 Bluedale, SW
 - Phone Number: 3758925939
 - Start Date: 1970-08-23
 - Years of Experience: 8
- ADD FOSTER:** A form with fields:
 - First Name: First Name
 - Middle Initial(s): Last Name
 - Last Name: Last Name
 - Fostering Status: Fostering, awaiting animal, etc...
 - Unique Member ID: Member ID
 - Password: Password

● Image 19

The screenshot shows the phpMyAdmin interface for the 'rescue' database. The left sidebar lists various schemas and tables. The main area displays the 'member' table with the following data:

member_id	phone	fname	lname	minit	start_date	title	address	password
100000001	4879296282	Mob	Hundred	P	2000-02-03	Caretaker	292 Ghost road, SE	mob100
100000002	2463328495	Doc	Brown	MD	2018-07-22	Veterinarian	112 Greendale, NE	medic
100000011	5215255252	Bruce	Wayne	B	1980-09-23	Caretaker	4 gotham manor, NE	batman
100000015	3758925939	Mark	Dess	MD	1970-08-23	Veterinarian	748 Bluedale, SW	heal
1112223333	Dick	Richards	D		1900-08-09	Volunteer	222 New Street, SW	dickr
111111111	1231231234	Admin	Account	AA	2019-11-26	Admin	Main Headquarters	admin

● Image 20

The screenshot shows a web page titled 'localhost/pages/adminMainPage.php'. A search bar at the top contains the ID '1112223333'. Below it is a 'Submit' button.

REMOVE MEMBER:

Unique Member ID:

100000012

Submit

ADD EVENT:

Event ID:

Event ID

Event Date:

yyyy-mm-dd

Event Type:

Charity, Gala, etc..

Event Location:

Location

Sponsors:

Sponsors

● Image 21

localhost / 127.0.0.1 / rescue / m | ADMIN | +

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=member&pos=0

Apps New Tab

phpMyAdmin

Server: 127.0.0.1 » Database: rescue » Table: member

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.00029 seconds.)

SELECT * FROM `member`

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options T member_id phone fname lname minit start_date title address password

	member_id	phone	fname	lname	minit	start_date	title	address	password
Edit	100000001	4879298282	Mob	Hundred	P	2000-02-03	Caretaker	292 Ghost road, SE	mob100
Edit	100000002	2463328495	Doc	Brown	MD	2018-07-22	Veterinarian	112 Greendale, NE	medic
Edit	100000011	5215252522	Bruce	Wayne	B	1980-09-23	Caretaker	4 gotham manor, NE	batman
Edit	100000015	1112223333	Dick	Richards	D	1900-08-09	Volunteer	222 New Street, SW	dickr
Edit	111111111	1231231234	Admin	Account	AA	2019-11-26	Admin	Main Headquarters	admin

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query Label: Let every user access this bookmark Bookmark this SQL query

Waiting for localhost... Console Type here to search 1:43 AM 2019-12-06

- **Image 22**

localhost / 127.0.0.1 / rescue / m | ADMIN | +

localhost/pages/adminMainPage.php

Apps New Tab

Submit

ADD FOSTER:

First Name:	Middle Initial(s):	Last Name:
Ted	G	Jim
Fostering Status:	Unique Member ID:	Password:
Fostering	100000003	*****
Address:	Phone Number:	
728 Cool close, NE	3749384054	

Submit

NEW POTENTIAL ADOPTER:

First Name:	Middle Initial(s):	Last Name:
-------------	--------------------	------------

1:48 AM 2019-12-06

● Image 23

The screenshot shows the phpMyAdmin interface for the 'rescue' database. The left sidebar lists various schemas and tables. The main area displays the 'member' table with the following data:

member_id	phone	fname	lname	minit	start_date	title	address	password
100000001	4879296282	Mob	Hundred	P	2000-02-03	Caretaker	292 Ghost road, SE	mob100
100000002	2463328495	Doc	Brown	MD	2018-07-22	Veterinarian	112 Greendale, NE	medic
100000003	3749384054	Ted	Jim	G	2019-12-06	Foster	728 Cool close, NE	fostered
100000015	5215255252	Bruce	Wayne	B	1980-09-23	Caretaker	4 gotham manor, NE	batman
1112223333	Dick	Richards	D		1900-08-09	Volunteer	222 New Street, SW	dickr
1231231234	Admin	Account	AA		2019-11-26	Admin	Main Headquarters	admin

● Image 24

The screenshot shows a web-based administrative interface.

NEW POTENTIAL ADOPTER:

First Name: Homer Middle Initial(s): Y Last Name: Sim

Unique Member ID: 100000004 Password: *****

Address: 123 springfield way, SW Phone Number: 283842949

REMOVE MEMBER:

Unique Member ID:

● Image 25

The screenshot shows the phpMyAdmin interface for the 'rescue' database. The left sidebar lists various schemas and tables, including 'member'. The main area displays the 'member' table with the following data:

member_id	phone	fname	lname	minit	start_date	title	address	password
100000001	4879296282	Mob	Hundred	P	2000-02-03	Caretaker	292 Ghost road, SE	mob100
100000002	2463328495	Doc	Brown	MD	2018-07-22	Veterinarian	112 Greendale, NE	medic
100000004	283842949	Homer	Simpson	Y	2019-12-06	Potential Adopter	123 Springfield way, SW	ahomer
100000011	5215255252	Bruce	Wayne	B	1980-09-23	Caretaker	4 gotham manor, NE	batman
100000015	1112223333	Dick	Richards	D	1900-08-09	Volunteer	222 New Street, SW	dickr
111111111	1231231234	Admin	Account	AA	2019-11-26	Admin	Main Headquarters	admin

● Image 26

The screenshot shows a web application with three main sections:

- REMOVE MEMBER:** A form for removing a member by entering their Unique Member ID and clicking 'Submit'.
- ADD EVENT:** A form for adding an event with fields for Event ID, Event Date, Event Type, Event Location, and Sponsors.
- REMOVE EVENT:** A form for removing an event by entering its Event ID and clicking 'Submit'.

At the bottom of the screen, a Windows taskbar is visible with various icons and the system clock showing 1:58 AM on 2019-12-06.

- **Image 27**

ADD EVENT:

Event ID:	Event Date:	Event Type:
400000011	2019-12-02	Charity
Event Location:	Sponsors:	
222 Someplace Blvd, NE	Calgary Power Company	

Submit

REMOVE EVENT:

Event ID:
Event ID

Submit

- **Image 28**

Showing rows 0 - 1 (2 total), Query took 0.0017 seconds.

event

event_id	event_location	event_type	event_date	sponsors
400000011	123 downtown street, NE	Gala	2019-11-29	Calgary Bank
400000011	222 Someplace Blvd, NE	Charity	2019-12-02	Calgary Power Company

- **Image 29**

The screenshot shows the phpMyAdmin interface connected to a MySQL database named 'rescue'. The left sidebar lists various databases and tables, including 'event' which is currently selected. The main area displays the contents of the 'event' table with one row: event_id 40000001, event_location '123 downtown street, NE', event_type 'Gala', event_date '2019-11-29', and sponsors 'Calgary Bank'. Below the table, there are buttons for operations like Edit, Copy, Delete, and Export.

- **Image 30**

The screenshot shows the 'adminMainPage.php' page. It contains two forms: 'ADD SHELTER:' and 'REMOVE SHELTER:'.
ADD SHELTER:
Shelter Number:
Shelter Type:
Width: Height: Length:
REMOVE SHELTER:
Shelter Number:
Submit

● Image 31

The screenshot shows two forms side-by-side on a web page.

ADD SHELTER:

Shelter Number:	300000001	Shelter Type:	Cat
Width:	1.5	Height:	20
Length:			
3			

Submit

REMOVE SHELTER:

Shelter Number:	Shelter Number
-----------------	----------------

Submit

● Image 32

The screenshot shows the phpMyAdmin interface connected to a MySQL database named 'rescue'.

Structure:

```
CREATE TABLE `shelter` (
  `shelter_no` int(11) NOT NULL,
  `shelter_type` enum('Dog','Cat') NOT NULL,
  `last_cleaned` date NOT NULL,
  `width` float NOT NULL,
  `height` float NOT NULL,
  `length` float NOT NULL
)
```

Data:

shelter_no	shelter_type	last_cleaned	width	height	length
300000000	Dog	2019-12-06	2.5	31.1	41.3
300000001	Cat	2019-12-06	1.5	20	3

- **Image 33**

ADD ANIMAL:

Animal Name: Rex	Unique Animal ID: 200000000	Animal Type: Dog	Admission Date: 2019-08-10
Age (in years, put 0 if less than 1 year old): 5	Size: Medium	Weight: 15	Color(s): Black
Health Status: Healthy			
Shelter Number: 300000000	Shelter Admit Date: 2019-08-10	Description: Energetic	Sex: Male

Submit

- **Image 34**

ADD ANIMAL:

Animal Name: Garfield	Unique Animal ID: 200000001	Animal Type: Cat	Admission Date: 2019-11-07
Age (in years, put 0 if less than 1 year old): 6	Size: Big	Weight: 45	Color(s): Orange
Health Status: Healthy			
Shelter Number: 300000001	Shelter Admit Date: 2019-11-07	Description: Lazy	Sex: Male

Submit

REMOVE ANIMAL:

Animal ID:

- Image 35

Showing rows 0 - 1 (total, Query took 0.00023 seconds.)

```
SELECT * FROM `animal`
```

	animal_id	shelter_no	name	age	size	weight	animal_type	health_status	description	admission_date	shelter_admit_date	gender	color
Edit	20000000	30000000	Rex	5	Medium	15	Dog	Healthy	Energetic	2019-08-10	2019-08-10	Male	Black
Edit	20000001	30000001	Garfield	6	Big	45	Cat	Healthy	Lazy	2019-11-07	2019-11-07	Male	Orange

- Image 36

Showing rows 0 - 0 (total, Query took 0.0009 seconds.)

```
SELECT * FROM `shelter`
```

	shelter_no	shelter_type	last_cleaned	width	height	length
Edit	30000000	Dog	2019-12-06	2.5	31.1	41.3

- Image 37

localhost / 127.0.0.1 / rescue / animal

ADMIN

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=animal&pos=0

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 » Database: rescue » Table: animal

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total, Query took 0.00008 seconds.)

SELECT * FROM `animal`

Show all Number of rows: 25 Filter rows: Search this table

+ Options Edit Copy Delete animal_id 200000000 shelter_no 300000000 name Rex age 5 size Medium weight 15 animal_type Dog health_status Healthy description Energetic admission_date 2019-08-10 shelter_admit_date 2019-08-10 gender Male color Black

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query Label: Let every user access this bookmark

Bookmark this SQL query

Console

The screenshot shows the phpMyAdmin interface for the 'rescue' database. The 'animal' table is selected. A single row is displayed with the following data:

animal_id	shelter_no	name	age	size	weight	animal_type	health_status	description	admission_date	shelter_admit_date	gender	color
200000000	300000000	Rex	5	Medium	15	Dog	Healthy	Energetic	2019-08-10	2019-08-10	Male	Black

- Image 38

localhost / 127.0.0.1 / rescue / animal

ANIMAL LOGIN

localhost/pages/animalLoginPage.php

Type here to search

The Animal's unique ID:
200000000

Submit

The screenshot shows a web page titled 'ANIMAL LOGIN' with the URL 'localhost/pages/animalLoginPage.php'. The page features a large, fluffy white puppy sitting in a field of yellow flowers. In the top left corner, there is a text input field containing the text 'The Animal's unique ID:' followed by a text box containing '200000000'. Below the text box is a blue 'Submit' button. The Windows taskbar at the bottom shows various icons, and the system tray indicates the date and time as '2019-12-06 6:05 AM'.

- **Image 39**

The screenshot shows a web browser window with the title bar "localhost / 127.0.0.1 / rescue / ani" and the tab "ANIMAL". The main content area displays the following information:

WELCOME REX

Unique Animal ID: 200000000	Age: 5	Animal Type: Dog	Admission Date: 2019-08-10
Unique Shelter ID: 300000000	Size: Medium	Health Status: Healthy	Shelter Admit Date: 2019-08-10
	Weight: 15	Description: Energetic	
	Gender: Male		
	Color: Black		

Rex's attended events:

THIS ANIMAL HAS NOT ATTENDED ANY EVENTS YET!

Rex's current shelter:



- **Image 40**

The screenshot shows a web browser window with the title bar "localhost / 127.0.0.1 / rescue / e" and the tab "EVENT LOGIN". The main content area displays the following form over a background image of two dogs:

The Event's unique ID:
400000001

The background image shows two French Bulldogs, one white and one black, on leashes, looking towards the camera. A person's legs and feet are visible in the background.

- **Image 41**

A screenshot of a web browser window titled "EVENT". The URL is "localhost / 127.0.0.1 / rescue / eventMainPage.php". The page displays event information for "EVENT NUMBER 400000001".
Event Location: 123 downtown street, NE
Event Type: Gala
Event Date: 2019-11-29
Sponsors: Calgary Bank

400000001's Animal Attendees:

THIS EVENT DID NOT HAVE ANIMAL ATTENDEES!

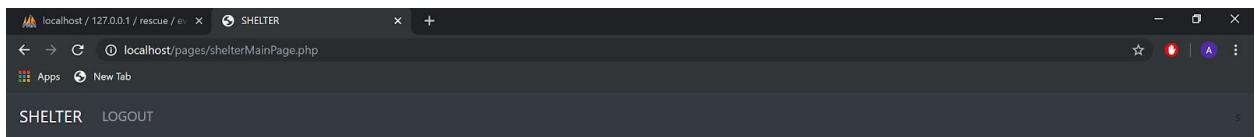
400000001's Workers:

THIS EVENT DID NOT HAVE WORKER ATTENDEES!

- **Image 42**

A screenshot of a web browser window titled "SHELTER LOGIN". The URL is "localhost / 127.0.0.1 / rescue / shelterLoginPage.php". The page features a large, fluffy orange cat peeking out from a wicker basket as the background image.
The Shelter's unique number:

- Image 43



SHELTER NUMBER 3000000000

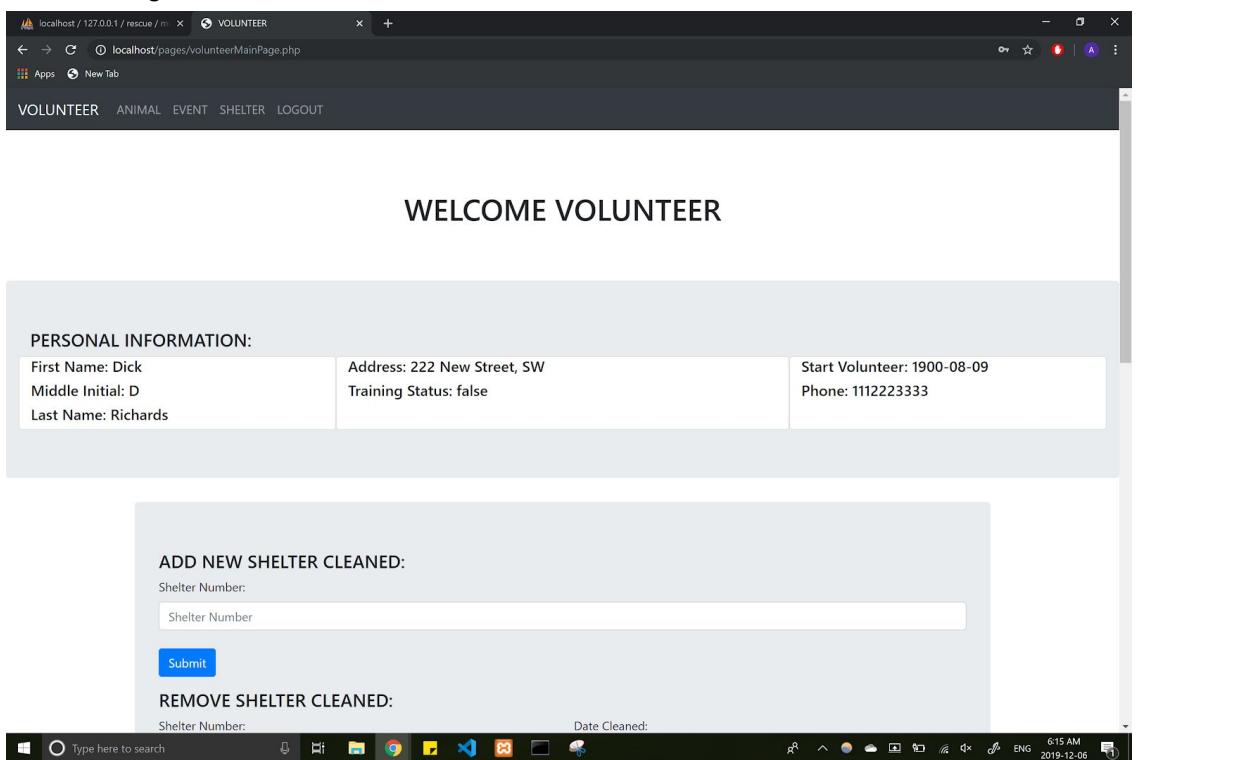
Shelter Type: Dog
Last Cleaned: 2019-12-06

Width: 2.5
Height: 31.1
Length: 41.3

Shelter #300000000's cleaning history:
THIS SHELTER HASN'T BEEN CLEANED BY A VOLUNTEER YET!

VOLUNTEER ID	First Name	Last Name	Volunteer Training Status	Phone	Cleaning Date
--------------	------------	-----------	---------------------------	-------	---------------

- Image 44



- **Image 45**

The screenshot shows a web browser window with a tab labeled "localhost / 127.0.0.1 / rescue / sh" and a title bar "VOLUNTEER". The page content is divided into three sections:

- PERSONAL INFORMATION:**

First Name: Dick	Address: 222 New Street, SW	Start Volunteer: 1900-08-09
Middle Initial: D	Training Status: false	Phone: 1112223333
Last Name: Richards		
- ADD NEW SHELTER CLEANED:**

Shelter Number:

Submit
- REMOVE SHELTER CLEANED:**

Shelter Number:

Date Cleaned:

Submit

- **Image 46**

The screenshot shows the phpMyAdmin interface for the "rescue" database. The left sidebar shows various tables: New, information_schema, mysql, performance_schema, phpmyadmin, rescue, animal, attends, cares_for, caretaker, cleans, employee, event, foster, fosters, member, plays_with, potential_adoptioner, shelter, treats, veterinarian, volunteer, volunteers_at, and works.

The main panel displays the "cleans" table with the following data:

	shelter_no	member_id	cleaning_date
<input type="checkbox"/>	300000000	100000015	2019-12-06

Below the table, there are "Query results operations" buttons for Print, Copy to clipboard, Export, Display chart, and Create view. A "Bookmark this SQL query" section is also present.

● Image 47

The screenshot shows a web browser window with the URL `localhost / 127.0.0.1 / rescue / cl`. The title bar says "VOLUNTEER". The page contains two main sections:

- PERSONAL INFORMATION:**

First Name: Dick	Address: 222 New Street, SW	Start Volunteer: 1900-08-09
Middle Initial: D	Training Status: false	Phone: 1112223333
Last Name: Richards		
- ADD NEW SHELTER CLEANED:**

Shelter Number:

REMOVE SHELTER CLEANED:

Shelter Number: Date Cleaned:

● Image 48

The screenshot shows the phpMyAdmin interface connected to the MySQL server at `127.0.0.1` with the database `rescue`. The left sidebar shows the database structure with tables like `animal`, `attends`, `care_for`, `caretaker`, `cleans`, `employee`, `event`, `foster`, `fosters`, `member`, `plays_with`, `potential_adopter`, `shelter`, `treats`, `veterinarian`, `volunteer`, and `volunteers_at`.

The main area displays the `cleans` table with the following structure:

shelter_no	member_id	cleaning_date

A message in the top right says: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0022 seconds.)"

● Image 49

localhost / 127.0.0.1 / rescue / ev VOLUNTEER

localhost/pages/volunteerMainPage.php

NO EVENTS WORKED YET!

ADD NEW EVENT VOLUNTEERED AT:

Event ID: 40000001 Role at Event: Helper Hours Worked: 4

Submit

REMOVE AN EVENT VOLUNTEERED AT:

Event ID:

Submit

Past Events Volunteered At:

NO EVENTS VOLUNTEERED AT YET!

Type here to search

localhost / 127.0.0.1 / rescue / vc VOLUNTEER

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=volunteers_at&pos=0

phpMyAdmin

Recent: Favorites

Server: 127.0.0.1 > Database: rescue > Table: volunteers_at

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total, Query took 0.0011 seconds.)

SELECT * FROM `volunteers_at`

Profile Edit inline Explain SQL Create PHP code Refresh

	member_id	event_id	role	hours
<input type="checkbox"/>	100000015	40000001	Helper	4

Show all Number of rows: 25 Filter rows: Search this table

With selected: Edit Copy Delete

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Type here to search

● Image 51

The screenshot shows a web browser window with two forms for managing volunteer events.

ADD NEW EVENT VOLUNTEERED AT:

Event ID:	Role at Event:	Hours Worked:
<input type="text"/>	<input type="text"/>	<input type="text"/>

REMOVE AN EVENT VOLUNTEERED AT:

Event ID:
<input type="text" value="400000001"/>

Past Events Volunteered At:

EVENT ID	EVENT TYPE	LOCATION	ROLE	HOURS
400000001	Gala	123 downtown street, NE	Helper	4

● Image 52

The screenshot shows the phpMyAdmin interface connected to a MySQL database named 'rescue'.

Table: volunteers_at

Query results:

```
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0021 seconds.)
```

```
SELECT * FROM `volunteers_at`
```

Query results operations:

- Create view

Bookmark this SQL query:

Label: Let every user access this bookmark

- **Image 53**

The screenshot shows a web browser window titled "VETERINARIAN" at the URL "localhost/pages/veterinarianMainPage.php". The top navigation bar includes links for VETERINARIAN, ANIMAL, EVENT, SHELTER, and LOGOUT. The main content area displays "WELCOME VETERINARIAN". Below this, a section titled "PERSONAL INFORMATION:" contains three boxes: one for First Name (Doc), Middle Initial (MD), and Last Name (Brown); another for Start Date (2018-07-22), Address (112 Greendale, NE), Phone (2463328495); and a third for Specialization (Check ups) and Years of Experience (5). A large button labeled "ADD NEW TREATMENT ENTRY:" is visible.

- **Image 54**

The screenshot shows a web browser window titled "VETERINARIAN" at the URL "localhost/pages/veterinarianMainPage.php". The top navigation bar includes links for VETERINARIAN, ANIMAL, EVENT, SHELTER, and LOGOUT. The main content area displays "WELCOME VETERINARIAN". Below this, a section titled "Past Treatments:" shows the message "NO CARES FOR ENTRIES YET!". Above this, a "Treatment Entry" form is displayed with fields for Animal ID (200000000), Treatment (Vaccination), and Duration (1). A "Submit" button is present. A "Remove Treatment Entry" form is also visible, with fields for Animal ID and Date (yyyy-mm-dd).

- Image 55

The screenshot shows the phpMyAdmin interface for the 'rescue' database. The left sidebar lists various tables: information_schema, mysql, performance_schema, phpmyadmin, rescue, animal, attends, cares_for, caretaker, cleans, employee, event, foster, member, plays_with, potential_adopter, shelter, treats, veterinarian, volunteer, volunteers_at, and works. The 'treats' table is selected in the main area. A query results table displays one row of data:

	member_id	animal_id	treat_type	treat_date	treat_duration
<input type="checkbox"/>	100000002	200000000	Vaccination	2019-12-06	1

Below the table are buttons for Edit, Copy, Delete, and Export. The status bar at the bottom right shows the date and time: 6:32 AM 2019-12-06.

- Image 56

The screenshot shows a web browser window for the 'VETERINARIAN' page. At the top, it displays personal information:

First Name: Doc	Start Date: 2018-07-22	Specialization: Check ups
Middle Initial: MD	Address: 112 Greendale, NE	Years of Experience: 5
Last Name: Brown	Phone: 2463328495	

Below this are two forms:

ADD NEW TREATMENT ENTRY:

Animal ID:	Treatment:	Duration:
Animal ID	Vaccination, surgery, etc..	Duration of care in hours

REMOVE A TREATMENT ENTRY:

Animal ID:	Date:
200000000	2019-12-06

The status bar at the bottom right shows the date and time: 6:35 AM 2019-12-06.

- Image 57

localhost / 127.0.0.1 / rescue / tr VETERINARIAN

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=treats&pos=0

phpMyAdmin

Server: 127.0.0.1 » Database: rescue » Table: treats

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0007 seconds.)

member_id animal_id treat_type treat_date treat_duration

Query results operations

Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

New information_schema mysql performance_schema phpmyadmin rescue animal attends cares_for caretaker cleans employee event foster fosters member plays_with potential_adopter shelter treats veterinarian volunteer volunteers_at works test

Console

Type here to search

6:35 AM 2019-12-06

- Image 58

localhost / 127.0.0.1 / rescue / tr VETERINARIAN

localhost/pages/veterinarianMainPage.php

NO CARES FOR ENTRIES YET!

ADD NEW EVENT WORKED AT:

Event ID: 400000001 Role at Event: speaker Hours Worked: 5

Submit

REMOVE AN EVENT WORKED AT:

Event ID: Event ID

Submit

Past Events Worked:

NO EVENTS WORKED YET!

Type here to search

6:37 AM 2019-12-06

- Image 59

localhost / 127.0.0.1 / rescue / w | VETERINARIAN | +

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=works&pos=0

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 » Database: rescue » Table: works

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Showing rows 0 - 0 (1 total, Query took 0.00007 seconds.)

SELECT * FROM `works`

Show all | Number of rows: 25 Filter rows: Search this table

+ Options Edit Copy Delete member_id event_id role hours

100000002 400000001 speaker 5

With selected: Edit Copy Delete Export

Show all | Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

● Image 60

localhost / 127.0.0.1 / rescue / w | VETERINARIAN | +

localhost/pages/veterinarianMainPage.php

ADD NEW EVENT WORKED AT:

Event ID: Role at Event: Hours Worked:

Submit

REMOVE AN EVENT WORKED AT:

Event ID: Submit

Past Events Worked:

EVENT ID	EVENT TYPE	LOCATION	ROLE	HOURS
400000001	Gala	123 downtown street, NE	speaker	5

● Image 60

● Image 61

The screenshot shows the phpMyAdmin interface connected to a MySQL database named 'rescue'. The 'works' table is selected. A message at the top states: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0008 seconds.)". Below this, a SQL query is displayed: "SELECT * FROM `works`". The results section is empty. On the left, a tree view shows various tables and schemas. The bottom status bar indicates the date and time as 2019-12-06 6:40 AM.

● Image 62

The screenshot shows a web browser window for the 'CARETAKER' application. The URL is 'localhost / rescue / m'. The page displays a 'WELCOME CARETAKER' message. Below it is a 'PERSONAL INFORMATION:' section with three input fields: 'First Name: Bruce', 'Address: 4 gotham manor, NE', 'Middle Initial(s): B', 'Phone: 5215255252', 'Start Volunteer: 1980-09-23', 'Last Name: Wayne', 'Trained Species: Bat'. Below this is an 'ADD NEW CARES ENTRY:' form with fields for 'Animal ID:' and 'Duration:', and a 'Submit' button. The bottom status bar indicates the date and time as 2019-12-06 6:43 AM.

- **Image 63**

The screenshot shows a web browser window with three main sections:

- PERSONAL INFORMATION:** A grid with four cells containing user details:

First Name: Bruce	Address: 4 gotham manor, NE	Start Volunteer: 1980-09-23
Middle Initial(s): B	Phone: 5215255252	Trained Species: Bat
Last Name: Wayne		
- ADD NEW CARES ENTRY:** A form with fields for Animal ID (200000000) and Duration (2), with a "Submit" button.
- REMOVE A CARES ENTRY:** A form with fields for Animal ID and Date (yyyy-mm-dd), with a "Submit" button.

- **Image 64**

The screenshot shows the phpMyAdmin interface connected to a MySQL database named 'rescue'. The 'cares_for' table is selected, displaying the following data:

member_id	animal_id	care_date	care_duration
100000011	200000000	2019-12-06	2

Below the table, there are buttons for Edit, Copy, Delete, and Export. The sidebar on the left lists other tables in the 'rescue' database, such as 'animal', 'attends', 'cares_for', 'caretaker', 'cleans', 'employee', 'event', 'foster', 'fosters', 'member', 'plays_with', 'potential_adopter', 'shelter', 'treats', 'veterinarian', 'volunteer', 'volunteers_at', and 'works'.

- **Image 65**

ADD NEW CARES ENTRY:

Animal ID:	Duration:
<input type="text" value="Animal ID"/>	<input type="text" value="Duration of care in hours"/>
<input type="button" value="Submit"/>	

REMOVE A CARES ENTRY:

Animal ID:	Date:
<input type="text" value="200000000"/>	<input type="text" value="2019-12-06"/>
<input type="button" value="Submit"/>	

Past Cares:

ANIMAL ID	CARE DATE	CARE DURATION
200000000	2019-12-06	2 hours

- **Image 66**

phpMyAdmin

Server: 127.0.0.1 | Database: rescue | Table: cares_for

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

MySQL returned an empty result set (i.e., zero rows). (Query took 0.0006 seconds.)

```
SELECT * FROM `cares_for`
```

member_id animal_id care_date care_duration

Query results operations Create view Bookmark this SQL query Label: Let every user access this bookmark Bookmark this SQL query

Console

● Image 67

The screenshot shows a web browser window with the title 'CARETAKER'. The page content is divided into three main sections:

- ADD NEW EVENT WORKED AT:** Contains fields for 'Event ID' (40000001), 'Role at Event' (Handler), and 'Hours Worked' (2). A 'Submit' button is present.
- REMOVE AN EVENT WORKED AT:** Contains a field for 'Event ID' and a 'Submit' button.
- Past Events:** Displays the message 'NO CARES FOR ENTRIES YET!'

● Image 68

The screenshot shows the phpMyAdmin interface connected to the 'rescue' database. The 'works' table is selected, displaying one row of data:

member_id	event_id	role	hours
100000011	40000001	Handler	2

Below the table, there are 'Query results operations' buttons for Print, Copy to clipboard, Export, Display chart, and Create view. There is also a 'Bookmark this SQL query' section with a 'Label:' input field and a checkbox for 'Let every user access this bookmark'.

- **Image 69**

ADD NEW EVENT WORKED AT:

Event ID:	Role at Event:	Hours Worked:
Event ID	On-site vet, speaker, etc..	Hours worked at event

REMOVE AN EVENT WORKED AT:

Event ID:
400000001

Past Events:

EVENT ID	EVENT TYPE	LOCATION	ROLE
400000001	Gala	123 downtown street, NE	Handler

- **Image 70**

Server: 127.0.0.1 > Database: rescue > Table: works

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0008 seconds.)

```
SELECT * FROM `works`
```

member_id | event_id | role | hours

Query results operations

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

● Image 71

A screenshot of a web browser window showing the 'FOSTER' application. The title bar says 'localhost / 127.0.0.1 / rescue / m' and 'FOSTER'. The page has a dark header with 'FOSTER', 'ANIMAL', 'EVENT', 'SHELTER', and 'LOGOUT' links. Below the header is a large 'WELCOME FOSTER' message. Underneath it, there's a section titled 'PERSONAL INFORMATION:' with three input fields: 'First Name: Ted', 'Address: 728 Cool close, NE', 'Middle Initial: G'; 'Last Name: Jim', 'Phone: 3749384054', 'Start Volunteer: 2019-12-06'; and 'Foster Status: Fostering'. At the bottom of the page is a 'ADD NEW FOSTER ANIMAL:' form with fields for 'Animal ID' (input: 200000000), 'Duration' (input: 3), and 'Comments' (input: Likes to move a lot). A 'Submit' button is at the bottom left of the form.

● Image 72

A screenshot of a web browser window showing the 'FOSTER' application. The title bar says 'localhost / 127.0.0.1 / rescue / m' and 'FOSTER'. The page has a dark header with 'FOSTER', 'ANIMAL', 'EVENT', 'SHELTER', and 'LOGOUT' links. Below the header is a section with three input fields: 'Middle Initial: G', 'Phone: 3749384054', and 'Foster Status: Fostering'. At the bottom of the page is a 'ADD NEW FOSTER ANIMAL:' form with fields for 'Animal ID' (input: 200000000), 'Duration' (input: 3), and 'Comments' (input: Likes to move a lot). A 'Submit' button is at the bottom left of the form. Below the form is a 'REMOVE A PAST FOSTER ANIMAL:' section with an 'Animal ID' input field and a 'Submit' button.

- Image 73

localhost / 127.0.0.1 / rescue / fo
FOSTER

localhost/phpmyadmin/sql.php?server=1&db=rescue&table=fosters&pos=0

phpMyAdmin

Server: 127.0.0.1 » Database: rescue » Table: fosters

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total, Query took 0.0014 seconds.)

SELECT * FROM `fosters`

Show all Number of rows: 25 Filter rows: Search this table

+ Options ↴ ↵ member_id animal_id comment duration

Edit Copy Delete 100000003 20000000 Likes to move a lot. 3

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query Label: Let every user access this bookmark

Bookmark this SQL query

Console

- Image 74

localhost / 127.0.0.1 / rescue / fo
FOSTER

localhost/pages/fosterMainPage.php

Comments:
Any comments on the animal's behaviour
Submit

REMOVE A PAST FOSTER ANIMAL:
Animal ID:
20000000
Submit

Past Foster Animals:

ANIMAL ID	FOSTER DURATION	COMMENTS
200000000	3 months	Likes to move a lot.

● Image 75

The screenshot shows the phpMyAdmin interface for the 'rescue' database. The left sidebar lists various schemas and tables. The 'fosters' table is selected. The main area displays the table structure with columns: member_id, animal_id, comment, and duration. A message at the top states: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0010 seconds.)". Below the table, there's a "Query results operations" panel with a "Create view" button. Further down, there's a "Bookmark this SQL query" section with a "Label:" input field and a "Bookmark this SQL query" button.

● Image 76

The screenshot shows a web page with two forms. The first form is titled "ADD NEW ANIMAL TO YOUR LIST:" and contains a "Animal ID:" input field and a "Submit" button. The second form is titled "REMOVE ANIMAL FROM YOUR LIST:" and also contains a "Animal ID:" input field and a "Submit" button. Below these forms is a table titled "Our Animals:" with the following data:

ANIMAL ID	NAME	TYPE	AGE	COLOR	GENDER	SIZE	WEIGHT	HEALTH STATUS	ADMISSION DATE	DESCRIPTION
200000000 Rex	Dog	5	Black	Male	Medium	15lbs		Healthy	2019-08-10	Energetic

- **Image 77**

The screenshot shows a web page with two main sections:

- ADD NEW ANIMAL TO YOUR LIST:**
 - Animal ID:
 - Submit**
- REMOVE ANIMAL FROM YOUR LIST:**
 - Animal ID:
 - Submit**

The screenshot shows a table titled "Our Animals:" with the following data:

ANIMAL ID	NAME	TYPE	AGE	COLOR	GENDER	SIZE	WEIGHT	HEALTH STATUS	ADMISSION DATE	DESCRIPTION
200000000	Rex	Dog	5	Black	Male	Medium	15lbs	Healthy	2019-08-10	Energetic

- **Image 78**

The screenshot shows the phpMyAdmin interface connected to the "rescue" database. The left sidebar shows the database structure with tables like animal, attends, cares_for, caretaker, cleans, employee, event, foster, member, plays_with, potential_adopter, shelter, treats, veterinarian, volunteer, volunteers_at, and works.

The main area displays the "potential_adopter" table with the following data:

member_id	animal_id
100000004	200000000

Below the table, there are buttons for operations like Print, Copy to clipboard, Export, Display chart, and Create view.

● Image 79

The screenshot shows a web browser window with two main sections. The top section displays a table titled "Your List of Animals:" with columns "ANIMAL ID", "NAME", and "DESCRIPTION". It contains one row: "200000000" under "ID", "Rex" under "NAME", and "Energetic" under "DESCRIPTION". The bottom section contains two forms. The first form is titled "ADD NEW ANIMAL TO YOUR LIST:" and has a "Animal ID:" input field containing "Animal ID" and a "Submit" button. The second form is titled "REMOVE ANIMAL FROM YOUR LIST:" and has a "Animal ID:" input field containing "200000000" and a "Submit" button.

● Image 80

The screenshot shows the phpMyAdmin interface. On the left is a tree view of databases and tables. The main area shows a query results page for the "potential_adopter" table. The query is "SELECT * FROM `potential_adopter`" and the results are empty. There are tabs for "Browse", "Structure", "SQL", "Search", "Insert", "Export", "Import", "Privileges", "Operations", "Tracking", and "Triggers". A sidebar on the right includes "Query results operations" (with "Create view") and "Bookmark this SQL query" (with "Label:" and "Let every user access this bookmark" checkboxes). The status bar at the bottom indicates "7:05 AM 2019-12-06".

- Image 81

WELCOME TO ANIMAL RESCUE

Our Animals:

ANIMAL ID	ANIMAL NAME	ANIMAL TYPE	AGE	COLOR	GENDER	SIZE	WEIGHT	HEALTH STATUS	ADMISSION DATE	SHELTER	ADMIT DATE	DESCRIPTION
200000000	Rex	Dog	5	Black	Male	Medium	15	Healthy	2019-08-10	2019-08-10	Energetic	

Our Events:

Event ID	Event Location	Event Type	Event Date	Sponsors
400000001	123 downtown street, NE	Gala	2019-11-29	Calgary Bank

Setting up the database:

- Make sure you download XAMP if your using a Windows system or MAMP if your using a macOS system
 - For Windows: run XAMP and startup Apache and MySQL (Image 1)
 - Then click on Admin in the row as MySQL
- It will take you to Image 2, where you will click new and it will take you to Image 3
- Now name the database; “rescue” and then press Create
- Click on rescue on the left of the page and then click Import
- Click “Choose file” and pick the file rescue-db-start.sql which was given to you and then click Go(image 4)
- Now you database has been setup
- Make sure the htdocs folder that was given has replaced the htdocs in XAMP folder
- Now the set up is done

Starting up for the first time:

- Open up a new web browser while having XAMP running with Apache and MySQL running in XAMP too
- Now type “localhost/index.php” in the web browser which will redirect you to the page shown in Image 5
- This is the startup page and now click “GET STARTED!” button to go to the login page (Image 6)
- Now from here we currently don’t have any data in the database yet, so we are going to populate the database.

The admin user:

- Right now we only have one account so far which is the admin user, the admin will be able to add and remove any member from the database.
- The user id for the admin will always be “111111111” and the password is “admin”, so type these info in.
- It will direct you to Image 7 and from here we are going to create two of each type of users, first were going to create two volunteers
- Fill out the information like in Image 8, password will be “johns”, and press submit. Then fill out the information like in Image 9, password is “dickr” and submit.
- Now open phpMyAdmin and click the plus sign beside rescue and click member and you should get something like in Image 10, this shows that the info you input is now in the database.
- Now go back to the other page and where going to remove a volunteer, fill out the info like in Image 11 and press submit.
- Now go back to the phpMyAdmin refresh the page, it should look like Image 12, and that means we successfully removed that volunteer.
- Now were going to Add two Caretaker, Fill and submit the information like in Image 13 (password: mob100), and fill and submit again like in Image 14 (password: batman)

- Check phpMyAdmin (make sure to refresh) and see if its the same as Image 15, and if the same then you successfully added a caretaker
- Now were going to remove a caretaker from your database enter the member_id for Bruce Wayne in the remove member section. Go to phpMyAdmin and refresh and check if it is the same as Image 16.
- After that reenter Bruce Wayne as a member using Image 14.
- Now were going to add two Veterinarians. Go back to the other page and now fill out like Image 17 and submit with password: “medic”. And for the other veterinarian fill it out like in Image 18 and submit with password: “heal”.
- Check phpMyAdmin (make sure to refresh) and see if it matches with Image 19, if so then you successfully added two veterinarians.
- Now were going to remove one veterinarian, follow and fill out the form like in Image 20. And then press submit.
- Go to phpMyAdmin and refresh and see if it the same as Image 21, if it is then you successful remove a veterinarian
- Now were going to add and then remove a foster, first to add a foster fill out like Image 22 and submit with password: “fosterted”
- Now go to phpMyAdmin and refresh and check if the info was added like Image 23
- Now were going to remove and were going to add the same member_id underneath the remove member section and submit.
- Now go to phpMyAdmin and refresh and check if it is the same as Image 21
- Let's add a potential adopter, follow Image 24 with password: “ahomer” and submit. Then refresh and check in phpMyAdmin to see if it matches Image 25
- Enter the member_id from Image 24 you just submitted under the remove member section. Go back to phpMyAdmin and refresh to check if it match with Image 21
- Now you know how to add and remove any type of members, to demonstrate other functionality please readd member from Image 22 with password “fostered”,and Image 24 with ahomer.
- Now were going to add an event and remove it, copy like in Image 26 and submit. Repeat again with Image 27.
- Now go to phpMyAdmin and click on the “event” table and see if it the same as Image 28.
- Now let's remove the event we inputted from Image 27 by entering the event_id in the remove event section. And the go to phpMyAdmin and see if the change has been made just like Image 29
- Now were going to add two shelters. Follow the steps by entering the data like Image 30 and Image 31. And then checking under the shelter table to see if its like Image 32.
- Now were going to add two animals. Follow the steps by entering the data like Image 33 and Image 34. And then checking under the animal table to see if its like Image 35.
- Note when adding an animal you need a shelter to put them in first before adding them to the database
- Now let's remove Garfield by entering his animal_id under the remove animal section. Let's remove the cat shelter by entering the shelter_id in the remove shelter section.

- Now go to phpMyAdmin look at the shelter table and it should be the same as Image 36 and then go to the animal table and it should be the same as Image 37.

To view animals, shelters and event when logged as a member:

- When logged in as a member click “ANIMAL” in the nav bar and it will direct you to Image 38. From there enter 20000000. And it will take you to Image 39. Here you can view information of the animal
- When logged in as a member click “EVENT” in the nav bar and it will direct you to Image 40. From there enter 400000001. And it will take you to Image 41. Here you can view information of the event you entered
- When logged in as a member click “SHELTER” in the nav bar and it will direct you to Image 42. From there enter 300000000. And it will take you to Image 43. Here you can view information of the shelter you entered

The volunteer User:

- Enter 100000015 for the user and “dickr” as the password at the login page
- It will take you to Image 44
- Now let's add a shelter we just cleaned
- Enter information like in Image 45
- Check phpMyAdmin and it should be like Image 46 under the cleans table
- Now let's remove that by following Image 47
- Check phpMyAdmin refresh to see if the table is empty like Image 48
- Follow Image 49 to add event participated
- Check phpMyAdmin and it should be like Image 50
- Follow Image 51 to remove event participated and check to see if it's like Image 52

The veterinarian user:

- Enter 100000002 for the user and “medic” as the password at the login page
- It will take you to Image 53
- Follow Image 54 to add a new treat entry
- Your treats table in the database should look like Image 55
- Follow Image 56 to remove that treat entry
- Your treat table should be empty like Image 57
- Follow Image 58 to add data about working at an event
- The works table in the database should look like Image 59
- Do Image 60 to remove that event
- Table should look like Image 61

The caretaker user:

- Enter 100000011 for the user and “batman” as the password at the login page
- It will take you to Image 62
- Follow Image 63 to add cares entry
- Should look like Image 64 in the cares_for table
- Follow Image 65 to remove cares entry
- Should look like Image 66 in the cares_for table

- Follow Image 67 to add data about working at an event
- The works table in the database should look like Image 68
- Do Image 69 to remove that event
- Table should look like Image 70

The foster user:

- Enter 100000003 for the user and “fosterted” as the password at the login page
- It will take you to Image 71
- Follow Image 72 to add an animal that they foster over
- Should look like Image 73 in the fosters table
- Follow Image 74 to remove the animal foster
- Should look like Image 75 in the fosters table

The potential adopter user:

- Enter 100000004 for the user and “ahomer” as the password at the login page
- It will take you to Image 76
- Follow Image 77 to add an animal that they foster over
- Should look like Image 78 in the fosters table
- Follow Image 79 to remove the animal foster
- Should look like Image 80 in the fosters table

To view adoptable animals list as a guest:

- Click the “Proceed as Guest” in the login page
- Will take you to a page like Image 81

References: (Cite these properly)

<https://www.123-reg.co.uk/support/servers/what-is-mysql-and-why-do-i-need-it/>

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Example php and MySQL code on D2L