

Group 79: Veterinary Hospital Management

Fall 2021

Project Final Report

CPSC 471: Database Management System
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Abstract

Our project centres around creating a website and an app that caters to a Vet Hospital. It not only caters to the clients of the vet hospital, but it is also meant to be used by the employees working at the vet hospital and the admin. There are different levels of hierarchies when it comes to the things accessible to each user. The clients are the ones with client profile which consist of client details which can be edited by the client, pet details, appointment details and shopping history. Questions can be asked by the clients which can be answered by any of the employees. The clients get excess to blog which is posted by the administration and written by the employees and professionals. The employees can view edit their profile details, view their shifts, as well as edit them. They can access all the appointments booked by the clients. They can answer any client questions. The interface allows them to view pet details and edit their medical history. The admins are the ones who can schedule the shifts for the employees, view every employee's schedule. They can access all client details and delete them. They can also access employee details, and the website allows them to remove or add a new employee. The app allows clients to log in and view their pets, shop in the store, book appointments, and view their upcoming appointments. It also displays the types of appointments and their cost, and some information about the vets that work at the hospital.

Introduction

The Problem

The problem our system was designed to address is the lack of an all-in-one system for animal hospitals. We found that there isn't a system for animal hospitals that allows clients to book their own appointments while providing the animal hospital with all the resources they need to run, along with a blog page which answers questions submitted by the users. Currently, most animal hospitals either just have a very basic website where only information and contacts about their hospital is provided. Or either there are websites centered around animal/pet blogs but it is not attached to certain vet hospital which can cater the users in real life too. Which made us realize that there is a need for a web interface/ app which includes all these details. There was a need for an interface which introduces vet hospital clients to a friendly web interface where they can book an appointment easily, and get notified for it. Access contact and location information, along with a web form where they can submit their questions. A online shop which not only displays different pet products, but also recommendations. A blog page which is updated regularly, providing the answers to current topics, or the topics that interest the vets and professionals and also the ones submitted by the user. An interface was required which would provide the client a personal profile page which displayed all their pets and a compilation of their billing history, appointment history, questions they have asked in the past and personalised recommendations.

Our Solution

Our system allows clients to book their own appointments online, view their upcoming appointments and their pet's medical history. Clients can also shop for pet supplies online, which shows the billing history in their personal profile page when the order is placed. They can view their pet's previous appointments and medical information and can add new pet information or can just update or delete the previous ones. The clients can view the blog and contact about the topics

they would like to be talked about in the upcoming vlogs. This contact form is available in the contact page, which also displays information about the hospitals contact details and a detailed google map to access the location more precisely. The blogs are written by the vets or the employees, and these blogs are updated and uploaded by the administration or the backend as the blog page is static. The topics that are talked about in the vlog, can be personal topics by the vets or employees or the ones submitted by the users.

Employees of the hospital can view their schedules and are divided into two categories. Administrative staff can view all upcoming client appointments and can book appointments for clients that prefer to book by phone. Vets can view the appointments that clients have booked with them and can view and update medical history for pets associated with these appointments.

Design

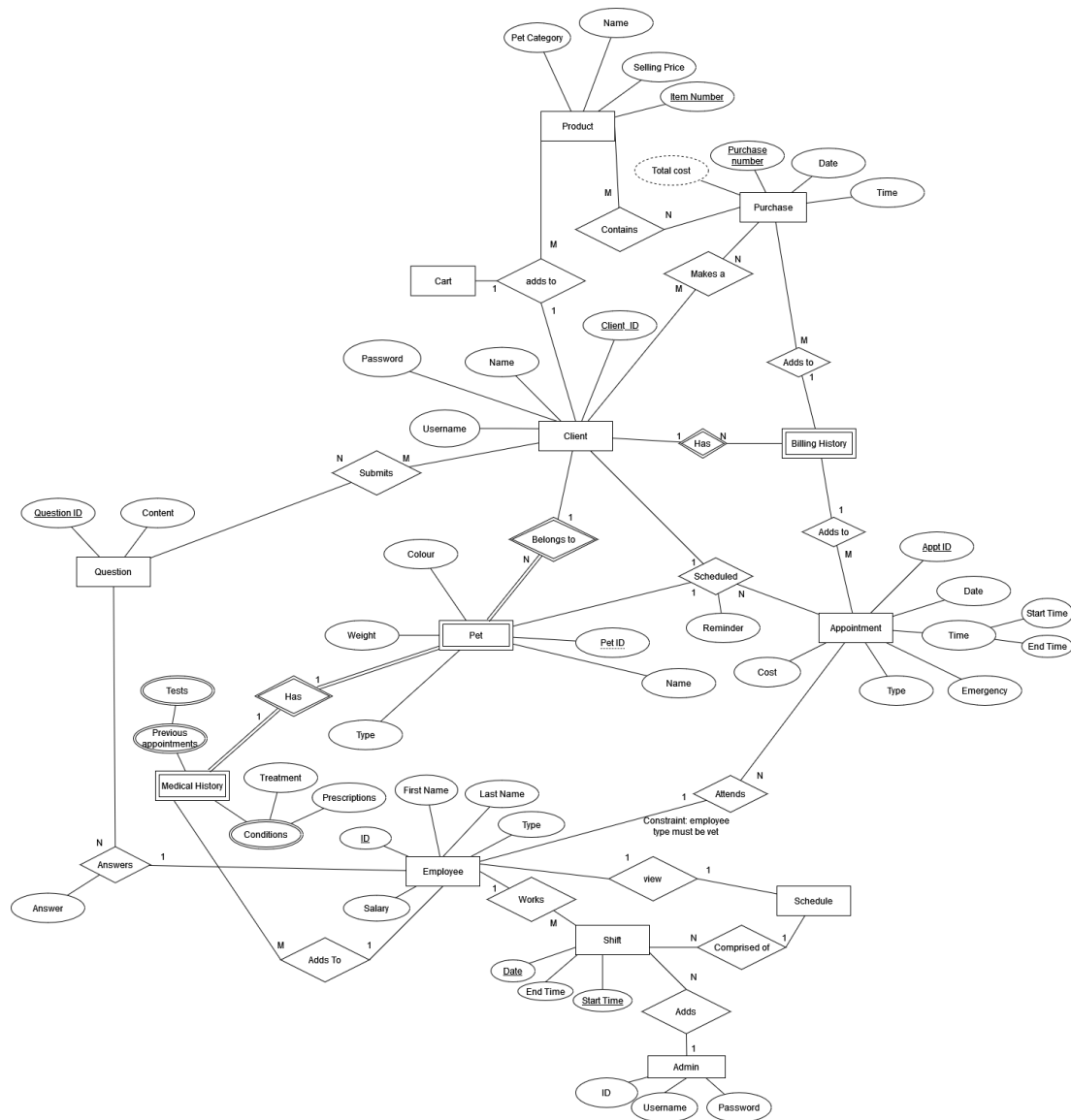
Discussion of Users

There are three main categories of users for our system: clients, employees and admin. Clients can view and manage their profile and their pets profile, they can buy products from the shop, book an appointment, and can ask a question through their profile.

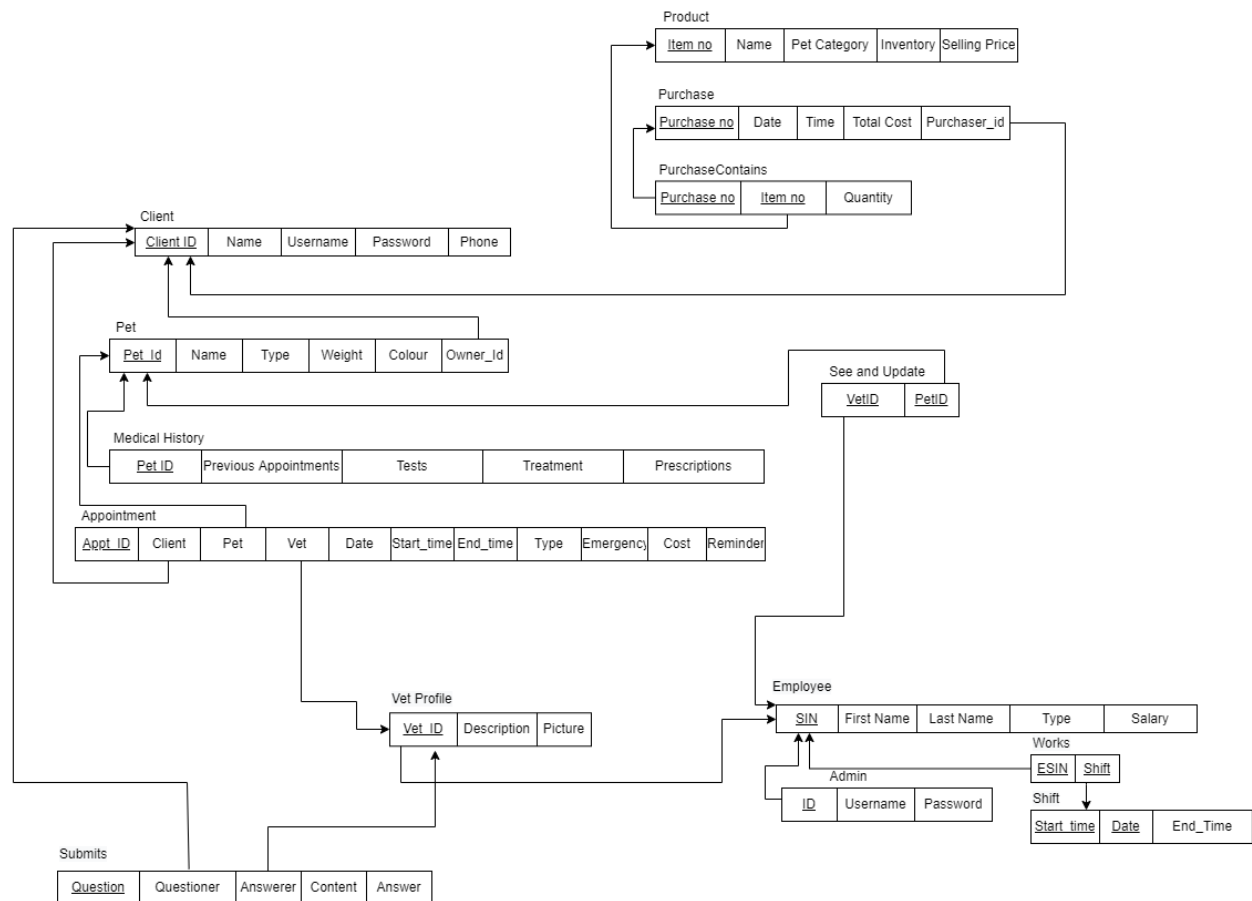
Employees can view and manage their profile, edit their shift time and dates, view and manage their appointment times and dates, view the pets they treat and update their medical history and answer the questions of the clients.

Admin can Edit and Schedule shifts for employees, they can view all the employees scheduled to work on a particular date, they can view all the client, and employee and their information, they can add/sign up new employees to the database.

ER Diagram



RM Diagram



DBMS chosen & SQL Statements

We chose to use SQL for our DBMS.

The SQL statements we used are:

To add a new client: Inputs are c_name, c_user, and c_pass

```
INSERT INTO `client` (`id`, `name`, `username`, `password`) VALUES (NULL,  
c_name, c_user, c_pass
```

To delete a client: Input is p_id

```
DELETE FROM billinga WHERE billinga.client_ID = p_id;  
DELETE FROM appointment WHERE appointment.client_ID = p_id;  
DELETE FROM cart WHERE cart.client_ID = p_id;  
DELETE FROM billing WHERE billing.client_ID = p_id;  
DELETE FROM question WHERE question.client_ID = p_id;  
DELETE FROM pet WHERE pet.owner_id = p_id;  
DELETE FROM client WHERE id = p_id;
```

Update client: Inputs are i_id, n_name, n_pass

```
UPDATE client set name = n_name, username = n_user, password = n_pass WHERE id  
= i_id
```

Get a client: Input is p_id

```
SELECT * From client where id = p_id
```

Add a pet: Inputs are o, n, t, w, c

```
INSERT INTO pet (owner_id, name, type, weight, color) VALUES (o,n,t,w,c)
```

Delete a pet: Inputs are o_id, p_id

```
DELETE FROM petMedical WHERE client_ID = o_id AND pet_ID = p_id;  
DELETE FROM billinga WHERE billinga.pet_ID = p_id AND billinga.client_ID =  
o_id;  
DELETE FROM appointment WHERE appointment.client_ID = o_id AND  
appointment.pet_ID = p_id;  
DELETE FROM pet WHERE owner_id = o_id AND id = p_id;
```

Get a pet: Inputs are o_id and p_id

```
SELECT * FROM pet WHERE owner_id = o_id AND id = p_id
```

Update a pet: Inputs are p_ID, o_ID,

```
UPDATE pet set name = n, type = t, weight = w, color = c WHERE id = p_ID AND  
owner_ID = o_ID
```

Get all pets that belong to a client: Input is c_ID

```
SELECT * FROM pet WHERE pet.owner_id = c_ID
```

Get all pets: No input

```
SELECT * FROM pet
```


Get all clients: No input

```
SELECT * FROM client
```

Add an appointment: Inputs are c_ID, p_ID, apType, v_ID

```
INSERT INTO `appointment` (`client_ID`, `pet_ID`, `date`, `time`,  
`appType`, `vet_ID`) VALUES (c_ID, p_ID, d, t, apType, v_ID)
```

Get appointments: Input is c_id

```
SELECT pet.name as pet_name, apptype.name as appointment_name, pet.id as  
pet_ID, appointment.client_ID as client_ID, appointment.date, appointment.time  
From appointment  
JOIN apptype ON apptype.id = appointment.appType  
JOIN pet ON pet.id = appointment.pet_ID  
WHERE appointment.client_ID = c_ID and appointment.date >= CURRENT_DATE  
ORDER BY appointment.date, appointment.time;
```

Delete an appointment: Inputs are c_id, p_id, d, t

```
DELETE FROM appointment WHERE client_ID = c_ID AND pet_ID = p_ID AND date = d  
AND time = t;
```

Add a question: Inputs are id, ques, -1

```
INSERT INTO `question` (`client_ID`, `question`, `vet_ID`) VALUES (id, ques, -1);
```

Delete a question: Inputs are c_ID, q_ID

```
DELETE FROM question WHERE client_ID = c_ID AND id = q_ID
```

Get a question: Inputs are c_ID, q_ID

```
SELECT * FROM question WHERE client_ID = c_ID AND id = q_ID
```

Update a question: Inputs are c_ID, q_ID, q, v_ID, a

```
UPDATE question SET question = q, vet_ID = v_ID, answer = a WHERE client_ID =  
c_ID AND id = q_ID
```

Get unanswered questions: No inputs

```
SELECT * FROM question WHERE vet_ID = -1
```

Get all billing history values for a client: Input is c_id

```
SELECT p.name as pet_name, b.*, type.name as appt_name  
FROM billinga as b  
JOIN apptype as type on type.id = b.appType  
JOIN pet as p on p.id = b.pet_ID  
WHERE client_ID = c_ID
```

Add appointment to client billing history: Inputs are c_ID, p_ID, d, t, apType

```
INSERT INTO `billingA` (`client_ID`, `pet_ID`, `date`, `time`,  
`appType`, `cost`)  
SELECT c_ID, p_ID, d, t, apType, ap.cost  
FROM apptype as ap  
WHERE ap.id = apType
```

Delete an appointment from client billing history: Inputs are p_ID, c_ID, d, t

```
DELETE FROM billingA WHERE pet_ID = p_ID AND client_ID = c_ID AND date = d AND  
time = t
```

Get a billing history entry for a client: Inputs are c_ID, d, t

```
SELECT p.name as pet_name, b.*, type.name as appt_name  
FROM billinga as b  
JOIN apptype as type on type.id = b.appType  
JOIN pet as p on p.id = b.pet_ID  
WHERE client_ID = c_ID AND b.date = d AND b.time = t
```

Add a purchase to billing history: Inputs are c_ID, n, q, c, itemP

```
INSERT INTO `billing` (`client_ID`, `name`, `timeStamp`, `quantity`,  
`cost`, `itemPrice`)  
VALUES (c_ID, n, now(), q, c, itemP)
```

Get purchases from billing history: Input is c_ID

```
SELECT * FROM billing WHERE client_ID = c_ID
```

Add an item: Inputs are n, p, img, t, c

```
INSERT INTO item (name, price, image, times_purchased, category) VALUES  
(n,p,img,t,c)
```

Delete an item: Input is i_ID

```
DELETE FROM item WHERE item.id = i_ID
```

Get all items: No inputs

```
SELECT i.name as item_name, i.price, i.id,i.image, i.times_purchased, c.name  
as category FROM item as i  
JOIN category as c on c.id = i.category
```

Update an item: Inputs are n_name, n_price, p, img, i_id

```
UPDATE item set name = n_name, price = n_price, times_purchased = p, image =  
img WHERE id = i_id
```

Get the top three best sellers: No inputs

```
SELECT i.name, i.price, i.image, c.name as category
FROM item as i
JOIN category as c on c.id = i.category
ORDER BY i.times_purchased DESC
LIMIT 3
```

Get all items in a category: Input is c

```
SELECT i.*, c.name as category FROM item as i
JOIN category as c on c.id = i.category
WHERE i.category = c
ORDER BY i.category
```

Update an admin: Inputs are vf_name, vl_name, v_user, v_pass, v_ID

```
UPDATE admin set f_name = vf_name, l_name = vl_name, username = v_user,
password = v_pass WHERE id = v_ID
```

Get all receptionists: No inputs

```
SELECT vet.*, type.name as type, type.id as type_ID FROM vet
JOIN vettype as type on type.id = vet.type
WHERE vet.type = 1
```

Get all vets: No inputs

```
SELECT vet.*, type.name as type, type.id as type_ID FROM vet
JOIN vettype as type on type.id = vet.type
WHERE vet.type = 0
```

Delete medical history for a pet: Inputs are c_ID, p_ID

```
DELETE FROM petMedical WHERE client_ID = c_ID AND pet_ID = p_ID
```

Add medical history for a pet: Inputs are c_ID, p_ID, d

```
INSERT into petmedical (client_ID, pet_ID, description, date) VALUES (c_ID,
p_ID, d, CURRENT_TIMESTAMP)
```

Get cart for a client: Input is c_ID

```
SELECT c.*, cat.name as category_name, cat.id as category_ID, i.* FROM cart AS
c
INNER JOIN item as i on c.item_ID = i.id
JOIN category as cat on cat.id = i.category
WHERE client_ID = c_ID
```

Get quantity of an item in a client's cart: Inputs are c_ID, i_ID

```
SELECT quantity FROM cart WHERE client_ID=c_ID AND item_ID=i_ID
```

Add to a client's cart: Inputs are c_ID, i_ID, q

```
INSERT INTO `cart` (`client_ID`, `item_ID`, `quantity`) VALUES (c_ID, i_ID, q)
```

Delete an item from a client's cart: Inputs are c_ID, i_ID

```
DELETE FROM cart WHERE client_ID = c_ID AND item_ID = i_ID
```

Update quantity in cart: Input is q

```
UPDATE cart set quantity = q WHERE client_ID = c_ID AND item_ID = i_ID
```

Empty cart: Input is c_ID

```
DELETE FROM cart WHERE client_ID = c_ID
```

Add and employee: Inputs are vf_name, vl_name, v_type, v_user, pass

```
INSERT INTO `vet` (`f_name`, `l_name`, `type`, `username`, `password`) VALUES (vf_name, vl_name, v_type, v_user, pass)
```

Delete an employee: Input is v_SIN

```
DELETE FROM shift WHERE shift.vet_ID = v_SIN;  
DELETE FROM question WHERE question.vet_ID = v_SIN;  
DELETE FROM vet WHERE vet_ID = v_SIN;
```

Get an employee: Input is v_SIN

```
SELECT * FROM vet WHERE vet_ID = v_SIN
```

Update an employee: Inputs are vf_name, vl_name, v_user, v_pass, v_ID

```
UPDATE vet set f_name = vf_name, l_name = vl_name, username = v_user, password = v_pass WHERE vet_ID = v_ID
```

Add a shift for an employee: Inputs are v_ID, d, s, e

```
INSERT INTO `shift` (`vet_ID`, `date`, `start_time`, `end_time`) VALUES (v_ID, d, s, e)
```

Get upcoming shifts for an employee: Input is v_ID

```
SELECT * FROM shift WHERE vet_ID = v_ID AND shift.date >= CURRENT_DATE
```

Get all employees working on a date: Input is d

```
SELECT vet.f_name, vet.l_name, s.start_time, s.end_time FROM vet  
JOIN shift AS s ON s.vet_ID = vet.vet_ID  
WHERE s.date = d
```

Add an appointment: Inputs are c_ID, p_ID, d, t, apType, v_ID

```
INSERT INTO `appointment` (`client_ID`, `pet_ID`, `date`, `time`, `appType`, `vet_ID`) VALUES (c_ID, p_ID, d, t, apType, v_ID)
```

Delete an appointment: Inputs are c_ID, p_ID, d, t

```
DELETE FROM appointment WHERE client_ID = c_ID AND pet_ID = p_ID AND date = d  
AND time = t
```

Get all appointments on a date: Inputs are d

```
SELECT pet.name as pet_name, apptype.name as appointment_name, pet.id as  
pet_ID, appointment.client_ID as client_ID, appointment.date, appointment.time  
From appointment  
JOIN apptype ON apptype.id = appointment.appType  
JOIN pet ON pet.id = appointment.pet_ID  
WHERE appointment.date = d  
ORDER BY appointment.date, appointment.time
```

API Documentation

Appointment:

<https://documenter.getpostman.com/view/18441878/UVREijGj>

Available Appointment Times:

<https://documenter.getpostman.com/view/18441878/UVREijGk>

Best Seller:

<https://documenter.getpostman.com/view/18441878/UVREijGm>

Billing (Appointments):

<https://documenter.getpostman.com/view/18441878/UVREijGn>

Billing (Products):

<https://documenter.getpostman.com/view/18441878/UVREijGo>

Cart:

<https://documenter.getpostman.com/view/18441878/UVREijGp>

Client:

<https://documenter.getpostman.com/view/18441878/UVREijGq>

Employee:

<https://documenter.getpostman.com/view/18441878/UVREijGr>

Get Receptionists:

<https://documenter.getpostman.com/view/18441878/UVREijGs>

Get Vets:

<https://documenter.getpostman.com/view/18441878/UVREijGt>

Item:

<https://documenter.getpostman.com/view/18441878/UVREijM9>

Medical History:

<https://documenter.getpostman.com/view/18441878/UVREijMA>

Pet:

<https://documenter.getpostman.com/view/18441878/UVREijMB>

Question:

<https://documenter.getpostman.com/view/18441878/UVREijMC>

Shift:

<https://documenter.getpostman.com/view/18441878/UVREijMD>

Unanswered Question:

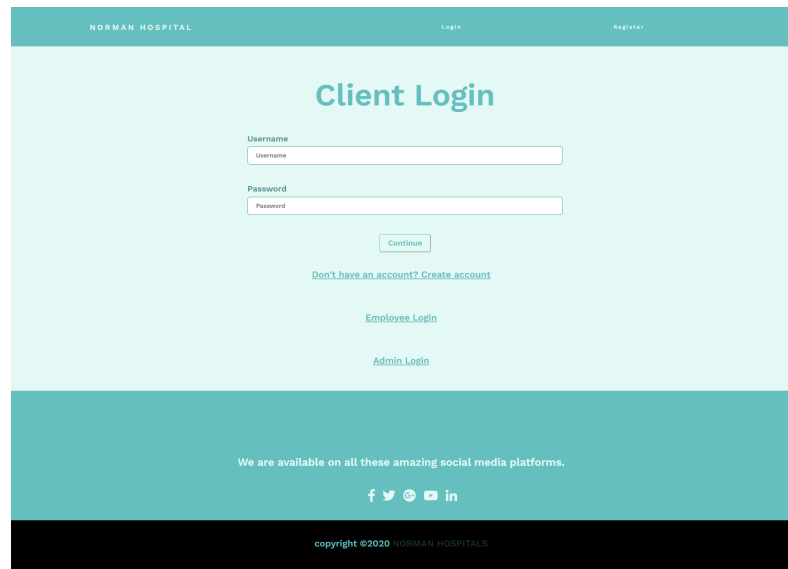
<https://documenter.getpostman.com/view/18441878/UVREijME>

User Guide

1. Website

a. Client Login

Existing users can log into their accounts using their account username and password.



The screenshot shows the 'Client Login' page for Norman Hospital. The page has a teal header with 'NORMAN HOSPITAL' on the left, 'Login' in the center, and 'Register' on the right. The main content area is light teal and features the title 'Client Login' in bold. Below the title are two input fields: 'Username' and 'Password', each with a placeholder text matching the label. A 'Continue' button is positioned below the password field. Below the button is a link that says 'Don't have an account? Create account'. Further down are two more links: 'Employee Login' and 'Admin Login'. The footer is a dark teal bar with the text 'We are available on all these amazing social media platforms.' and icons for Facebook, Twitter, Instagram, YouTube, and LinkedIn. The very bottom is a black bar with the copyright notice 'copyright ©2020 NORMAN HOSPITALS'.

1. Client Profile

After the client logs in, the continue button redirects to the client Profile page. It has the following functionalities:

- Appointment notification
- User details
- Pet details, personalized notification for each pet.
- Products Bought
- Services Bought
- Upcoming Appointment
- User Questions

You have an upcoming appointment soon! Appointment Date: 2021-12-28
For more information, view the upcoming appointments section

You have an upcoming appointment soon! Appointment Date: 2021-12-28
For more information, view the upcoming appointments section

My Profile

[Log Out](#)

About

Name Sam

ID 2

Username samm

[Edit Profile](#)

My Pets

[Add Pets](#)

Fluffy

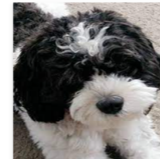
Type: Toy

Weight: 16 lbs

Color: White

[Edit](#)

Check Up Needed! It has been over 3 months since this pet received a check up



Oreo

Type: Bulldog

Weight: 50 lbs

Color: Black/White

[Edit](#)

Check Up Needed! It has been over 3 months since this pet received a check up

Vaccination Needed! It has been over 6 months since this pet received a vaccination



cutiep

Type:

Weight: 0 lbs

Color:

[Edit](#)

Check Up Needed! It has been over 3 months since this pet received a check up

Vaccination Needed! It has been over 6 months since this pet received a vaccination



Tanmay

Type: Turtle

Weight: 150 lbs

Color: N/A

Edit

Check Up Needed! It has been over 3 months since this pet received a check up

Vaccination Needed! It has been over 6 months since this pet received a vaccination

My Billing History

Products Bought

[Go To Shop](#)

Name	Cost/Item	Quantity	Total Cost	TimeStamp
conditioner	\$20	1	\$20	2021-12-23 21:55:28
Dog Bed	\$50	1	\$50	2021-12-23 21:55:28
shampoo	\$20	1	\$20	2021-12-23 21:55:28
Dog Whistle	\$20	1	\$20	2021-12-22 18:21:59
Dog Bowl	\$30	4	\$120	2021-12-22 16:56:56
Dog Bowl	\$30	3	\$90	2021-12-20 14:25:21
shampoo	\$20	3	\$60	2021-12-19 15:33:08

Services Bought

Appointment Type	Pet Name	Date	Time	Cost
Vaccination	Fluffy	2021-01-01	8:00 AM	\$40
Vaccination	Fluffy	2021-11-01	8:00 AM	\$40
Vaccination	Fluffy	2021-12-14	8:00 AM	\$40
Vaccination	Fluffy	2021-12-20	11:00 AM	\$40
Vaccination	Fluffy	2021-12-25	8:00 AM	\$40
Vaccination	Fluffy	2021-12-26	8:00 AM	\$40
Vaccination	Fluffy	2021-12-27	8:00 AM	\$40
Vaccination	Fluffy	2021-12-28	8:00 AM	\$40
Vaccination	Fluffy	2021-12-28	9:00 AM	\$40

Services Bought

Appointment Type	Pet Name	Date	Time	Cost
Vaccination	Fluffy	2021-01-01	8:00 AM	\$40
Vaccination	Fluffy	2021-11-01	8:00 AM	\$40
Vaccination	Fluffy	2021-12-14	8:00 AM	\$40
Vaccination	Fluffy	2021-12-20	11:00 AM	\$40
Vaccination	Fluffy	2021-12-25	8:00 AM	\$40
Vaccination	Fluffy	2021-12-26	8:00 AM	\$40
Vaccination	Fluffy	2021-12-27	8:00 AM	\$40
Vaccination	Fluffy	2021-12-28	8:00 AM	\$40
Vaccination	Fluffy	2021-12-28	9:00 AM	\$40

Upcoming Appointments

[Book An Appointment](#)

Appointment Type	Pet Name	Date	Time	Need to Cancel?
Vaccination	Fluffy	2021-12-28	8:00 AM	Cancel
Vaccination	Fluffy	2021-12-28	9:00 AM	Cancel

My Questions

[Ask A Question](#)

Question	Answer	Answered By Vet	Remove Question
hghulhul	fwesewesee	vet1 vet1	Delete
test	bye	vet1 vet1	Delete

We are available on all these amazing social media platforms.



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i.) Edit Profile Button









It redirects us to the Edit Client Profile page, where the users can edit name, username and password. The user can also upload/change a profile picture.

iv.) Go To Shop Button




This button redirects the user to the shop, where products can be added to the cart using add to cart button.

Filter By
None
Submit

Items For Sale

Name	Price	Image	Category	
shampoo	\$20		Dog	Add to Cart
conditioner	\$20		Dog	Add to Cart
Dog Bed	\$50		Dog	Add to Cart
Dog Whistle	\$20		Dog	Add to Cart
Dog Bowl	\$30		Dog	Add to Cart
Cat Toy	\$12.34		Cat	Add to Cart
Cat Leash	\$15		Cat	Add to Cart
Cat Shedding Tool	\$70		Cat	Add to Cart

Top 3 Best Sellers

Name	Price	Image	Category	
Dog Whistle	\$20		Dog	Add to Cart
Cat Leash	\$15		Cat	Add to Cart
Dog Bed	\$50		Dog	Add to Cart

[View Cart](#)

[Go Back To My Profile](#)

iv.1.) Filter By

This drop down is used to filter products by the pet type, which includes, Dog, Cat and Hamster.

Filter By





None
None
Dog
Cat
Hamster

	Price	Image	Category	
	\$20		Dog	Add to Cart
conditioner	\$20		Dog	Add to Cart
Dog Bed	\$50		Dog	Add to Cart
Dog Whistle	\$20		Dog	Add to Cart
Dog Bowl	\$30		Dog	Add to Cart
Cat Toy	\$12.34		Cat	Add to Cart
Cat Leash	\$15		Cat	Add to Cart
				

iv.2.) After using the Filter

Filter By
 None
 Submit

Items For Sale

Name	Price	Image	Category	
shampoo	\$20		Dog	Add to Cart
conditioner	\$20		Dog	Add to Cart
Dog Bed	\$50		Dog	Add to Cart
Dog Whistle	\$20		Dog	Add to Cart
Dog Bowl	\$30		Dog	Add to Cart

Top 3 Best Sellers




Name	Price	Image	Category	
Dog Whistle	\$20		Dog	Add to Cart
Cat Leash	\$15		Cat	Add to Cart
Dog Bed	\$50		Dog	Add to Cart

[View Cart](#)
[Go Back To My Profile](#)

iv.3.) View Cart Button

View Cart button recirects us to the cart page, where all the products added to the cart can be viewed, where the items in the cart can be removed and the quantity can be altered. Back to shop button would redirect us to the shop and Checkout button would lead to check out and and the product details would be added to product bought in client profile.

My Cart

Name	Image	Price per item	Quantity	Price for your quantity		
Dog Whistle		\$20	1	\$20	Edit Quantity	Remove
Dog Bowl		\$30	1	\$30	Edit Quantity	Remove
Cat Shedding Tool		\$70	1	\$70	Edit Quantity	Remove

Total Price: \$120

[Back to Shop](#)

[Checkout](#)

[Go Back To My Profile](#)

v.) Boot An Appointment Button

This button redirects us to the appointment page, where appointments can be booked by the user.

NORMAN HOSPITAL

Logout

Go Back to My Profile

Book An Appointment

December 2021

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Select a Date to Book an Appointment

When a desired date is chosen, further options are available to choose a required time, pet and appointment type.

NORMAN HOSPITAL

Logout

Go Back to My Profile

Book An Appointment

December 2021

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Available Times

8:00 AM

Select a Pet

Human

Select an Appointment Type

Vaccination

Submit

The date selected is: (2021-12-31)

vi.) Ask a Question Button

This button redirects us to page where questions can be submitted using the form, it also displays the contact details and location details of the hospital.

NORMAN HOSPITAL

My Profile

Book Appointment

Shop

Sign out

ASK A QUESTION

Let us know about any of your queries, and we will try to answer you as soon as possible

Message

submit your question

Phone No.

+1-234-8522-8005

E-mail

Normanhospital@cal.ca

Address

297 west Norton street, Salt Lake City, UT, United States

Open Hours

7 Days A Week (8:00 AM to 5:00 PM)

Salt Lake City

USA, USA

View larger map

Reach Out!!

We are available on all these amazing social media platforms.

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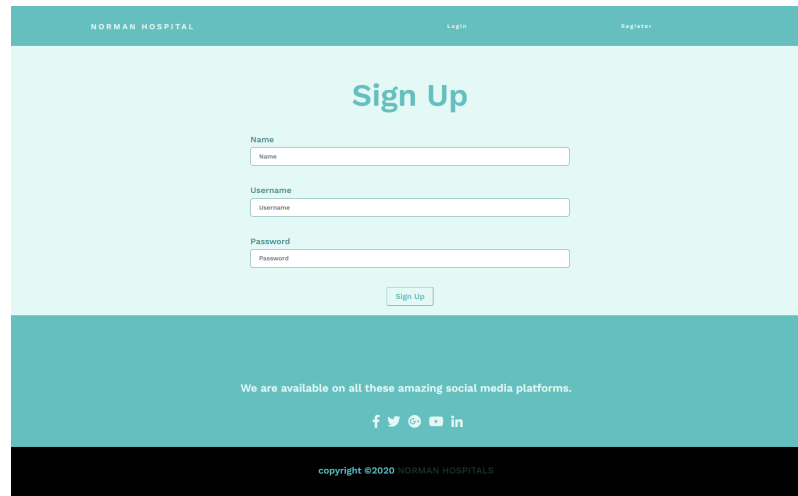
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b. Client Signup

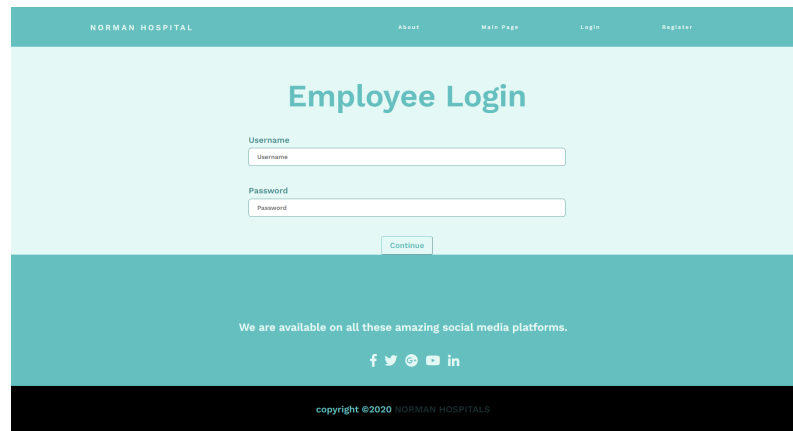
New clients can sign up for a new account using their Name, Username and Password.



The Client Signup form is displayed on a light teal background. At the top, a dark teal header contains the text "NORMAN HOSPITAL" on the left, and "Login" and "Register" links on the right. The main heading "Sign Up" is centered in a large, bold, teal font. Below the heading are three input fields: "Name", "Username", and "Password", each with a small label above it. A "Sign Up" button is centered below the fields. At the bottom of the form area, a teal banner contains the text "We are available on all these amazing social media platforms." followed by icons for Facebook, Twitter, YouTube, and LinkedIn. The footer is a dark teal bar with the text "copyright ©2020 NORMAN HOSPITALS" on the left.

c. Employee Login

Existing Employee can log in to their account from the employee login page, using their Username and password.



The Employee Login form is displayed on a light teal background. At the top, a dark teal header contains the text "NORMAN HOSPITAL" on the left, and "About", "Main Page", "Login", and "Register" links on the right. The main heading "Employee Login" is centered in a large, bold, teal font. Below the heading are two input fields: "Username" and "Password", each with a small label above it. A "Continue" button is centered below the fields. At the bottom of the form area, a teal banner contains the text "We are available on all these amazing social media platforms." followed by icons for Facebook, Twitter, YouTube, and LinkedIn. The footer is a dark teal bar with the text "copyright ©2020 NORMAN HOSPITALS" on the left.

1. Employee Profile Page

When the correct username and password is used, the continue button redirects us to the front page for employee

login, unanswered questions can be viewed and answered using the unanswered question table.

[Logout](#)

My Profile

ID	First Name	Last Name	Username	
2	vet1	vet1	vet1	Edit Profile

Upcoming Shifts

Date	Start Time	End Time	
2021-12-28	8:00 AM	5:00 PM	Cancel Shift

[View Shift Schedule](#)

[View Appointment Schedule](#)

[View Pets](#)

Unanswered Questions:

Question	Client Name	Client ID
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i.) Edit Profile Button

This button redirects us to the page where details like, First Name, Last Name, Username and Password can be changed.

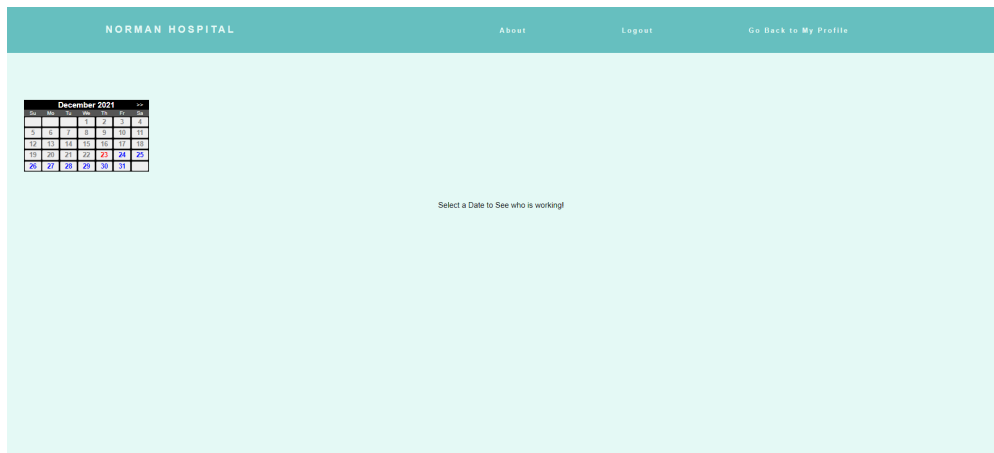
First Name:	<input type="text" value="vet1"/>
Last Name:	<input type="text" value="vet1"/>
Username:	<input type="text" value="vet1"/>
Password:	<input type="password" value="...."/>
<input type="button" value="Update"/>	

ii.) Cancel Shift Button

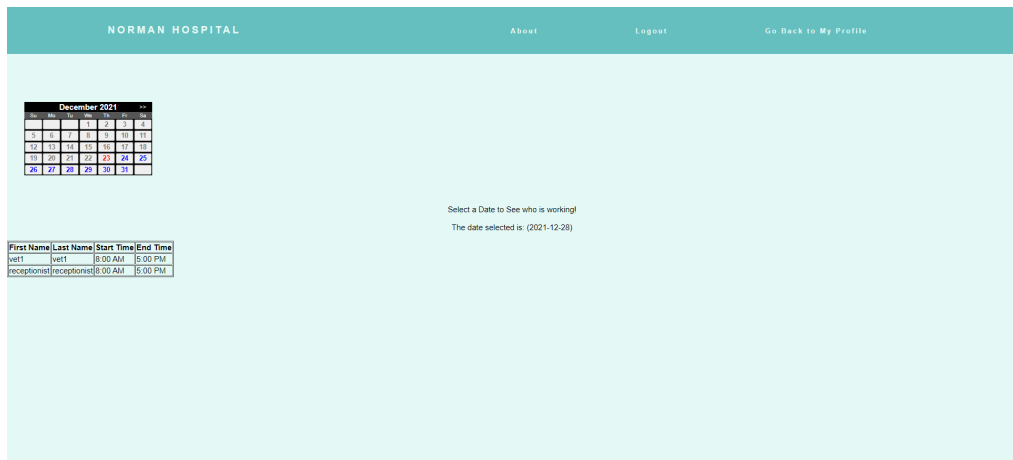
This button can be used to delete the shift for that particular employee.

iii.) View Shift Schedule Button

This button redirects the employee to a page where they can view their shift schedule for a particular date. A date from the calendar can be selected.

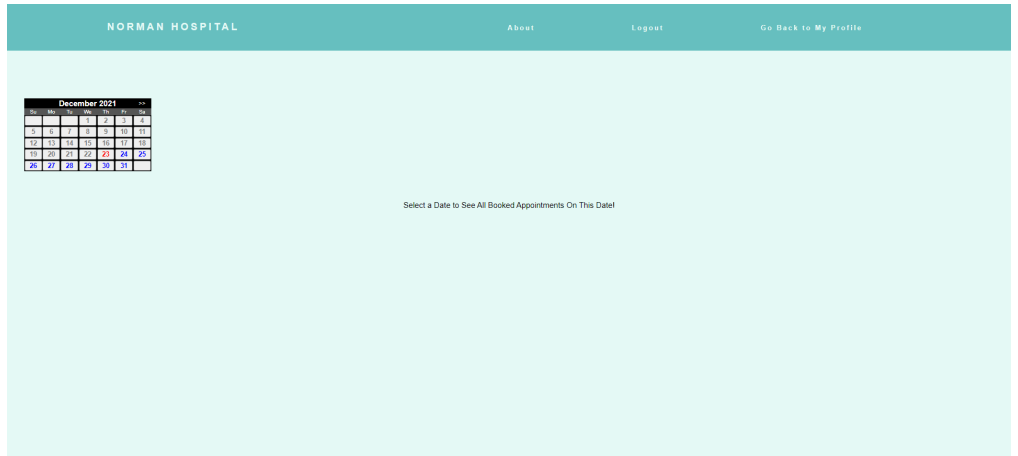


Once a date is selected the shift scedule for that day is displayed.

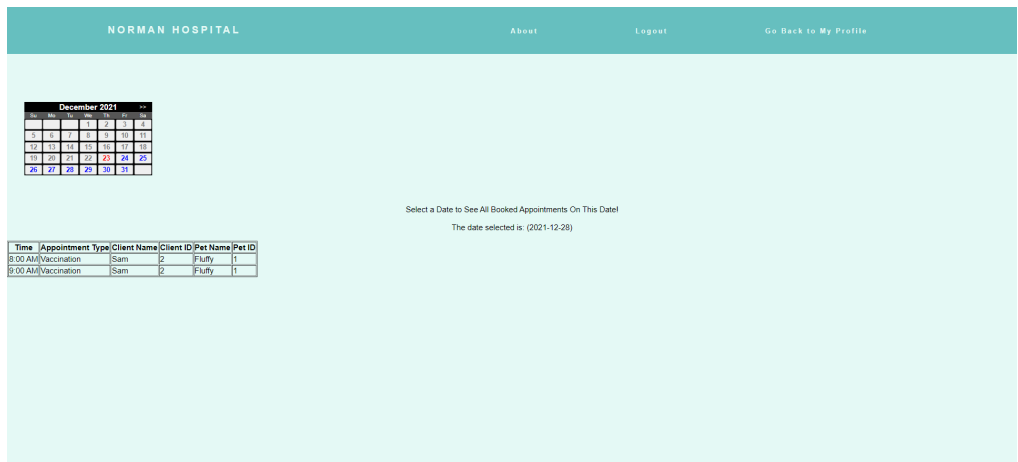


iv.) View Appointment Schedule Button

This button redirects the employee to a page where they can view their appointment schedule for a particular date. A date from the calendar can be selected.



Once a date is selected the appointments scheduled for that day are displayed.



v.) View Pets Button

This button is used by the employee to view the pets which are under that particular employee, the medical history for each client can be accessed using the View Medical History Button.

ID	Name	Type	Weight	Color	Owner_id	
1	Fluffy	Toy	16	White	2	View Medical History
4	Oreo	Bulldog	50	Black/White	2	View Medical History
24	cutiep		0		2	View Medical History
35	Tanmay	Turtle	150	N/A	2	View Medical History
18	xxx		0		4	View Medical History
20	yyy		0		4	View Medical History
8	cookie		0		6	View Medical History
9	Billy		0		6	View Medical History

[Go Back to My Profile](#)

v.1.) View Medical History Button

Medical History for each client/pet can be viewed by the employee.

Client ID	Pet ID	Pet name	Description	Date
2	35	Tanmay	- banned from this hospital. do not allow this turtle to come back in	2021-12-23 17:46:57
2	35	Tanmay	- got into a fight with another turtle	2021-12-23 17:46:38

[Add To Medical History](#)

[Go Back to My Profile](#)

v.2.) Add To Medical History Button

The employee can Add medical history for that particular client/pet using this button.

Description:

d. Admin Login

Admins can log in using the Admin Login page. Admins can log in using their Username and password.

1. Admin Profile

When the correct Username and Password for the admin is used, the continue button redirects admin to their profile.

[Logout](#)
My Profile

ID	First Name	Last Name	Username	
1	alishaa	lalani	admin	Edit Profile

[Schedule a New Shift](#)
[View Schedule](#)
[View Clients](#)
[View Employees](#)

i.) Edit Profile Button

This button redirects us to the page where the admin profile can be edited.

First Name:

Last Name:

Username:

Password:

ii.) Schedule a New Shift Button

A new shift for an employee can be added, a date from the calendar to add the shift can be chosen from the calendar.

December 2021							>>
Su	Mo	Tu	We	Th	Fr	Sa	
			1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31		

[Go Back to My Profile](#)

[Logout](#)

Select a Date to Add a Shift

On choosing the date, a time, and the vet, receptionist can be chosen from the drop down menu.

December 2021							>>
Su	Mo	Tu	We	Th	Fr	Sa	
			1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31		

[Go Back to My Profile](#)

[Logout](#)

Select a Date to Add a Shift

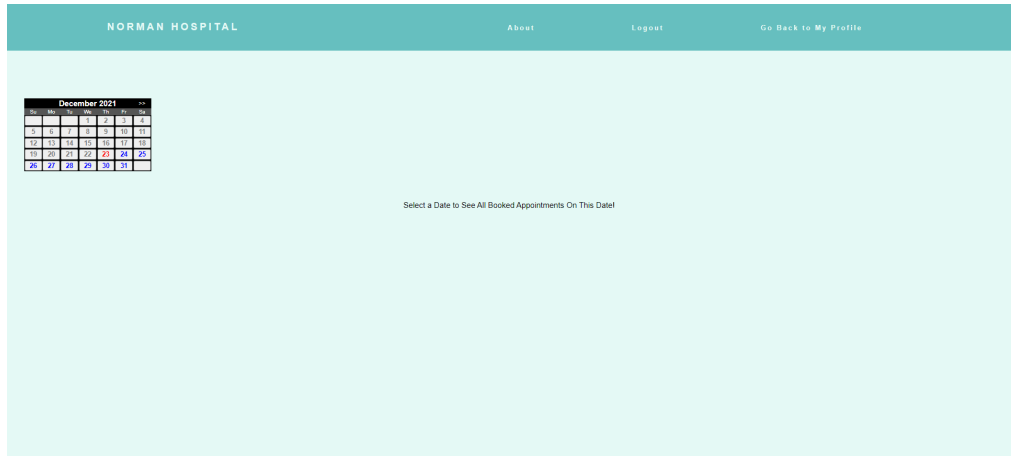
The date selected is: (2021-12-30)
Shift start time: 8:00am
Shift end time: 5:00pm

Select a Vet
Derval Pavel ▾

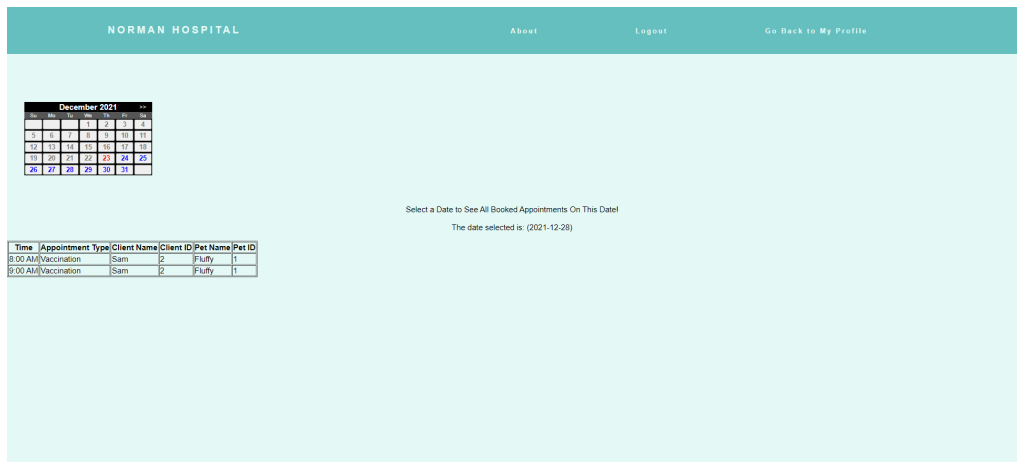
Select a Receptionist
Simo Mayna ▾

iii.) View Schedule Button

This button redirects the admin to a page where they can view the employee appointment schedule for a particular date. A date from the calendar can be selected.

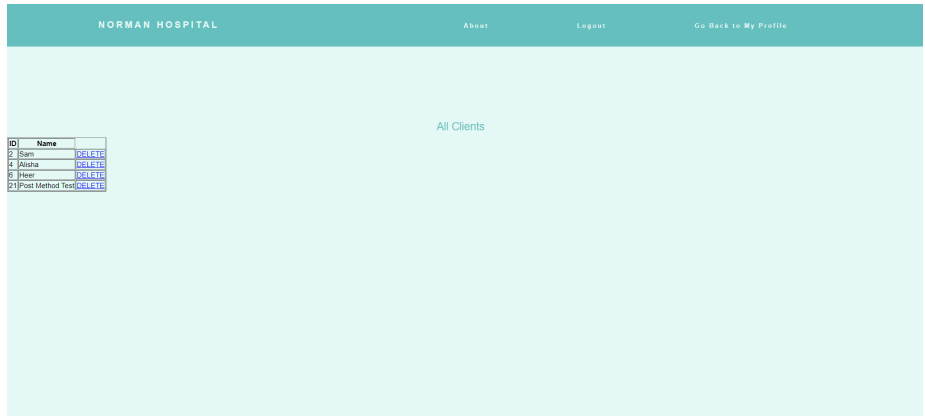


Once a date is selected the appointments scheduled for that day are displayed.



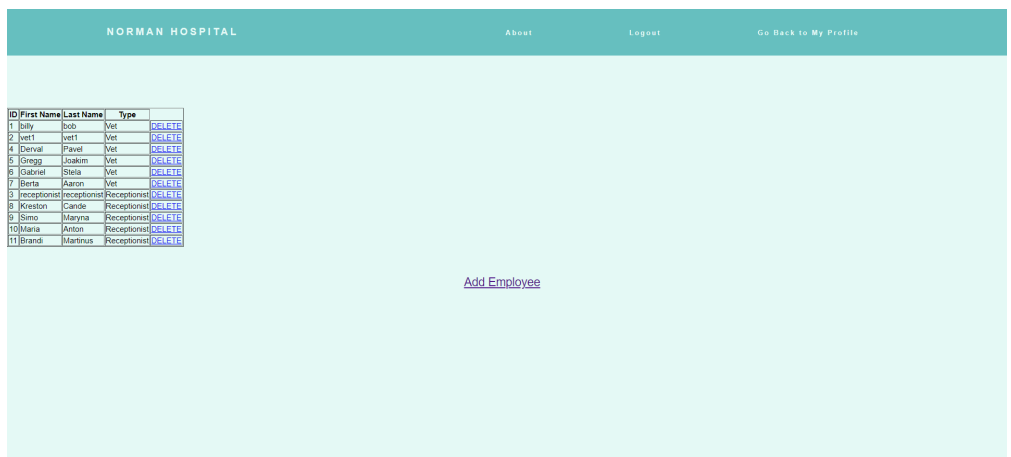
iv.) View Clients Button

This button redirects us to the page where details of all the clients can be viewed, the delete button would perform the function of deleting the client information from the database.



v.) View Employees Button

This button redirects to the page where all the employees can be viewed with their details, the delete button can be used to remove the employee from the database.



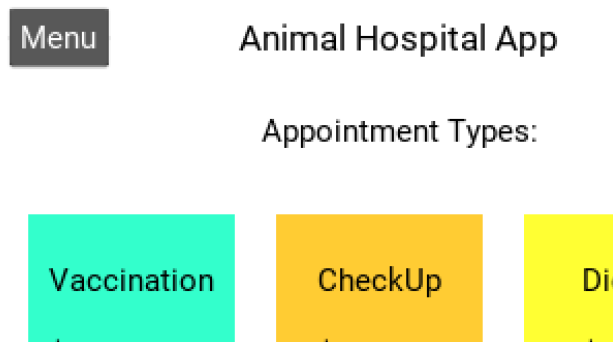
v.1.) Add Employee Button

This redirects us to the page where new employees can be added/signed up to the database.

2.App

a. Login as a Client

To log in as a client, first open the app. Then, open the menu in the top left corner of the screen:



Click on “Client Login”. It will take you to this page:

AnimalHospital

Menu Animal Hospital App Profile

Login

Client Login

Username

Password

Login

Type in your credentials and click on “Login”. If you have entered valid credentials, you will be brought to your profile page. If not, you will be brought to a page that says “Login Failed” and you must go back to the menu to get to the login page again.

b. View Client Profile

The client profile is opened immediately on logging in, but it can also be accessed via the “Profile” button on most pages in the app:

Animal Hospital App Profile

Appointment Types:

ation	CheckUp	Diet	
	\$15.00	\$50.00	

c. Login as an Employee (Vet)

The Vet can login by browsing onto the Vet Login Page and entering valid credentials:

The screenshot shows a web browser window titled "AnimalHospital". The page has a header with a "Menu" button, the text "Animal Hospital App", and a "Profile" button. The main content area features a large "Login" heading with a circular icon to its left. Below the heading is the text "Vet Login". There are two input fields: "Username" and "Password". At the bottom of the form is a "Login" button.

d. View Scheduled Shifts

After logging in, the Vet can see the scheduled shifts:

The screenshot shows the "Animal Hospital App" interface after login. The header remains the same. The main content area displays "Your upcoming shifts:". Below this, there are two entries, each with a "Date:" label followed by a date: "2021-12-27" and "2021-12-28".

e. Login as Admin

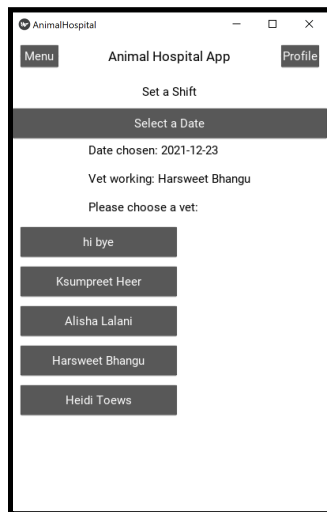
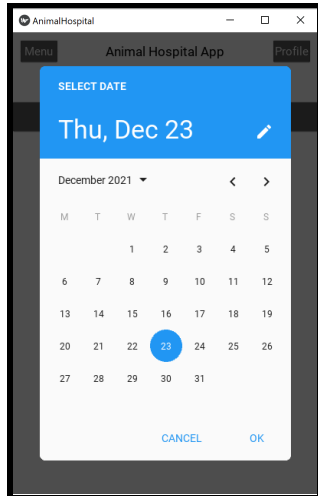
The Admin can login by browsing onto the Admin Login Page and entering valid credentials:

The screenshot shows the 'Admin Login' screen of the 'Animal Hospital App'. At the top, there is a header bar with a 'Menu' button on the left, the app name 'Animal Hospital App' in the center, and a 'Profile' button on the right. Below the header, there is a large 'Login' logo consisting of a blue circular icon with a white person silhouette and the word 'Login' in a large, bold, blue font. Underneath the logo, the text 'Admin Login' is displayed. There are two input fields: 'Username' and 'Password', each with a light gray border. At the bottom, there is a dark gray 'Login' button with white text.

f. Set Shift Schedule

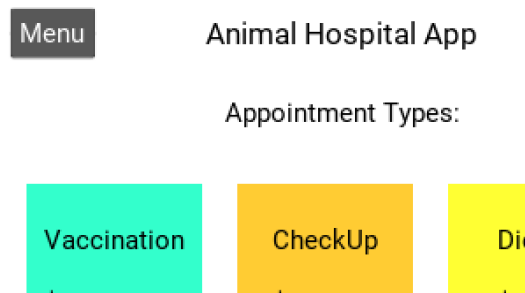
After logging in, the Vet can choose from a whole lot of shifts and dates and then assign a given shift to a particular vet (as described by the screenshots below):

The screenshot shows the 'Set a Shift' screen of the 'Animal Hospital App'. The header bar is identical to the previous screen, with 'Menu', 'Animal Hospital App', and 'Profile' buttons. Below the header, the text 'Set a Shift' is displayed. Underneath, there is a dark gray bar with the text 'Select a Date' in white. The main area of the screen is a large, empty white rectangle, which is outlined with a thick black border.



g. Browse to the Pet Store

To see the products in the store, open the menu in the top left corner of the screen:



Click on "Shop".

You should now see the items available and how much they cost. Note that you must be logged in to add items to your cart for purchase.

h. View Cart

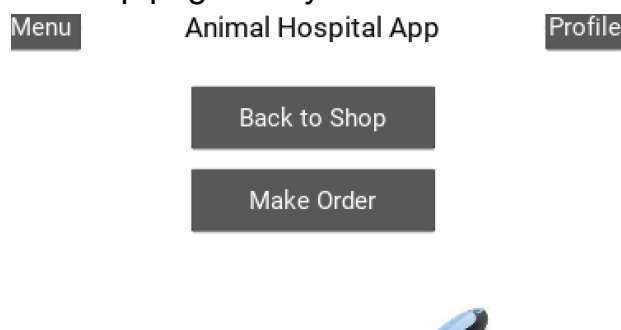
To see the products in your cart, log in and open the shop (see part a for instructions on how to login). Then, click on “View Cart”.



You should see the items in your cart, how much they cost, and how many you have added.

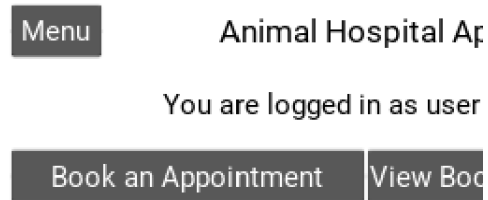
i. Make Order

To order the items in your cart, first navigate to it (see part e for instructions). Then click on “Make order”. You will be taken back to the shop page and your order will be added to your billing history.



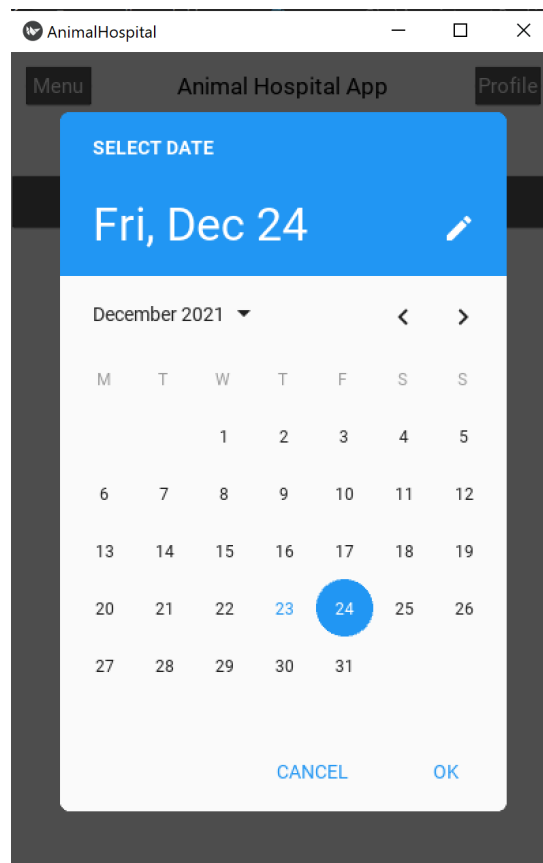
j. Book an appointment

To book an appointment, login and navigate to your profile (see parts a and b for instructions). Click on “Book an Appointment”.



My Pets:

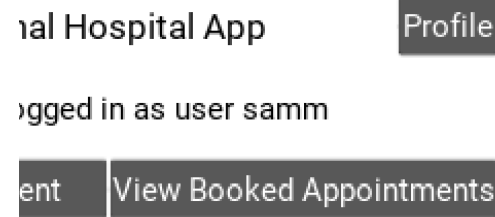
Click on “Select a Date”. A window will pop up, allowing you to select a date.



Choose your date and click OK. Buttons will appear beneath the “Book an Appointment” button that are labeled with available appointment times. Click on the time that works for you. You will be brought back to your profile and the appointment will be scheduled in the system.

k. View booked appointments

To view your booked appointments, login and navigate to your profile (see parts a and b for instructions). Click on “View Booked Appointments”.



My Pets:

You will see a list of your scheduled appointments with their date and time.

Citation:

Kusumpreet Kaur Heer(30114618)

YouTube videos used:

<https://youtube.com/playlist?list=PLilaeg66QtXtuJMugrdqyk-IY2icFthLb>

Blog used for blog pages:

<https://www.pethealthnetwork.com/dog-health/dog-diseases-conditions-a-z/5-reasons-test-your-dog-diabetes>

<https://www.pethealthnetwork.com/all-pet-health/should-my-pet-be-tested-covid-19>

<https://www.pethealthnetwork.com/dog-health/dog-behavior/do-dogs-dream>

<https://www.pethealthnetwork.com/cat-health/cat-behavior/do-cats-really-love-you-less-dogs>

<https://www.pethealthnetwork.com/cat-health/cat-surgery-a-z/thyroid-tumor-surgery-cats>

<https://www.pethealthnetwork.com/all-pet-health/small-animal-health-care/choosing-a-veterinary-hospital-your-exotic-pet-5-basic>

Pictures/icons used:

<https://unsplash.com/>

<https://icons8.com/icons/set/dog>