

# Introduction to Software Engineering

# Software Design

*The student team is required to complete the **Design Document** for the assigned course project, following the attached template.*



Software Engineering Department  
Faculty of Information and Technology  
University of Science

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# Software Design

## Objectives

This document focus on the following topics:

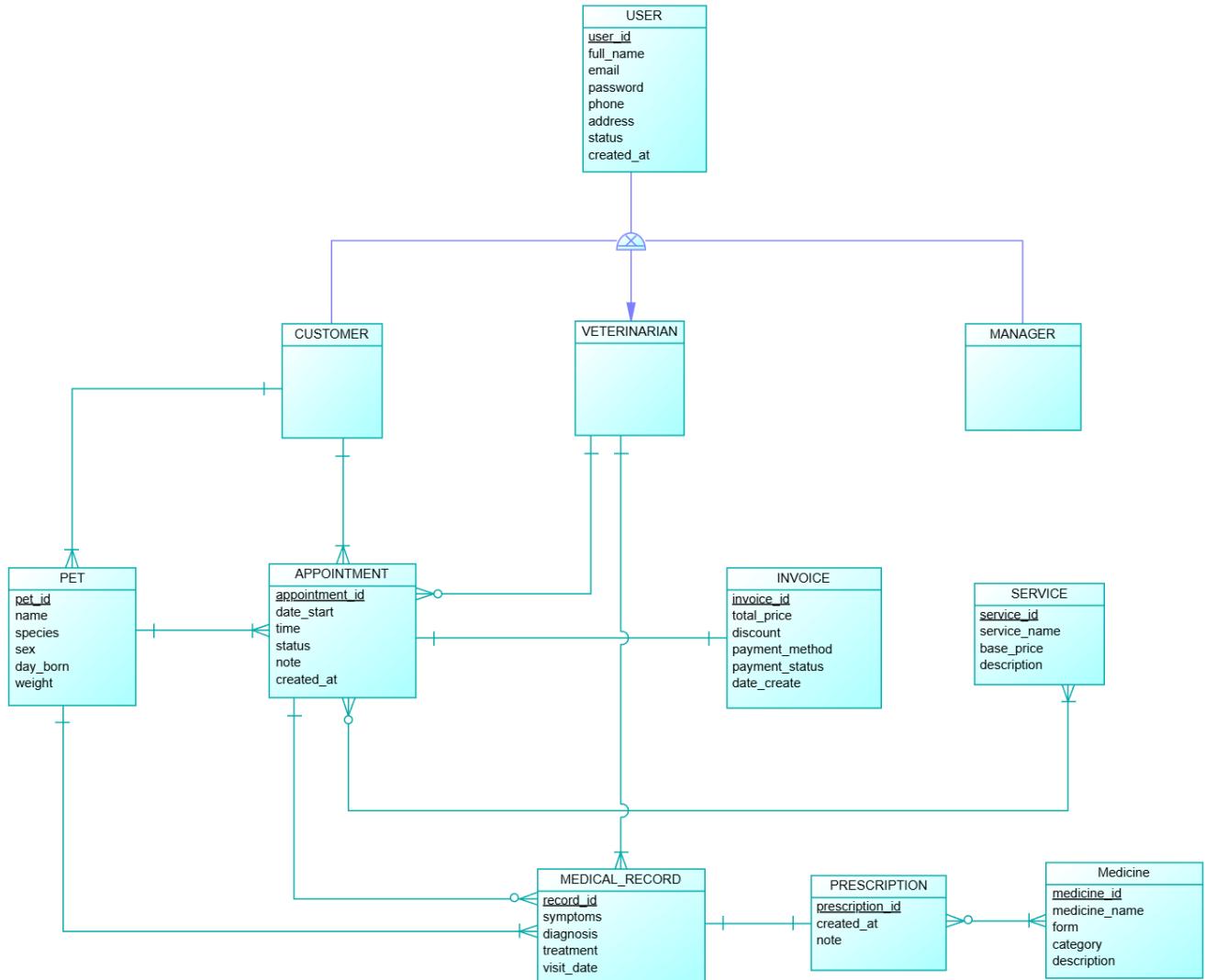
- ✓ Complete the Software Design Document with the following contents:
  - Conceptual Model
  - Architectural Design
  - Data Design
  - User Interface Design
- ✓ Understanding the Software Design Document.



# 1 Member Contribution Assessment

ID	Name	Contribution (%)	Signature
23127192	Nguyễn Văn Hộp	100	
23127411	Lê Long	100	
23127430	Đinh Hoàng Nam	100	

# 2 Conceptual Model



SEG	Entity name	Description	Relationship
1	<b>USER</b>	Represents all system users, including customers, veterinarians, and managers. Contains common personal and authentication information.	Supertype of CUSTOMER, VETERINARIAN, MANAGER (1 - 1).
2	<b>CUSTOMER</b>	A system user who owns pets and can book appointments.	- Subtype of USER (1-1). - 1 CUSTOMER owns N PET. - 1 CUSTOMER books N APPOINTMENT.
3	<b>VETERINARIAN</b>	A licensed veterinarian who performs examinations and creates medical records and prescriptions.	- Subtype of USER (1-1). - 1 VETERINARIAN performs N APPOINTMENT. - 1 VETERINARIAN writes N MEDICAL_RECORD.
4	<b>MANAGER</b>	A system user responsible for administration, staff management, and monitoring operations.	Subtype of USER (1-1). (No direct business relationships at conceptual level).
5	<b>PET</b>	Represents a customer's pet that receives veterinary services.	- 1 CUSTOMER owns N PET. - 1 PET has N APPOINTMENT. - 1 PET has N MEDICAL_RECORD.
6	<b>SERVICE</b>	Represents a type of service provided by the clinic (consultation, vaccination, grooming, boarding...).	1 SERVICE can be used in many APPOINTMENTS.

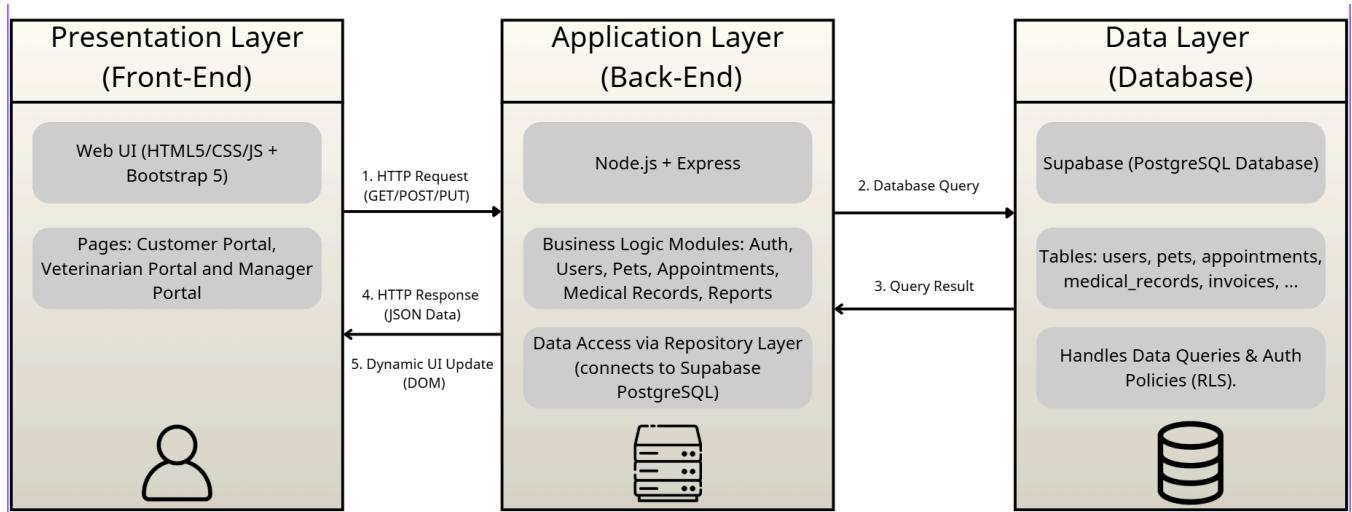
7	<b>APPOINTMENT</b>	An appointment made for a pet to receive veterinary service. Can later generate an invoice and medical record.	<ul style="list-style-type: none"> <li>- 1 CUSTOMER books N APPOINTMENT.</li> <li>- 1 PET has N APPOINTMENT.</li> <li>- 1 VETERINARIAN may be assigned to N APPOINTMENT.</li> <li>- 1 APPOINTMENT may include multiple SERVICES.</li> <li>- 1 APPOINTMENT generates 0..1 INVOICE.</li> <li>- 1 APPOINTMENT generates 0..1 MEDICAL_RECORD.</li> </ul>
8	<b>INVOICE</b>	Represents the billing information generated for an appointment after services are completed.	<ul style="list-style-type: none"> <li>- 1 APPOINTMENT generates 0..1 INVOICE.</li> <li>- 1 INVOICE charges for the SERVICE used in its APPOINTMENT.</li> </ul>
9	<b>MEDICAL_RECORD</b>	The medical record created by a veterinarian after examining a pet. Includes symptoms, diagnosis, and treatment notes.	<ul style="list-style-type: none"> <li>- 1 APPOINTMENT has 0..1 MEDICAL_RECORD.</li> <li>- 1 PET has N MEDICAL_RECORD.</li> <li>- 1 VETERINARIAN writes N MEDICAL_RECORD.</li> <li>- 1 MEDICAL_RECORD may have 1 PRESCRIPTION.</li> </ul>
10	<b>MEDICINE</b>	Represents medicines used for treating pets (tablet, syrup, injection...).	1 MEDICINE may appear in N PRESCRIPTION.
11	<b>PRESCRIPTION</b>	Represents a single prescribed medicine with	- 1 PRESCRIPTION belongs to 1 MEDICAL_RECORD.

	dosage and instruction for a Medical Record.	- 1 PRESCRIPTION can include many MEDICINES
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# 3 Architectural Design

## 3.1 Architecture Diagram

### 3.1.1 Overall System Architecture



Our System adopts a standard **three-tier software architecture**, consisting of the **Presentation Layer**, **Application Layer**, and **Data Layer**. This architecture separates concerns, improves maintainability, and supports scalable deployment.

#### 1. In the Front-End layer:

The Presentation Layer provides the user interface through a responsive web application built with **HTML5, CSS3, JavaScript, and Bootstrap 5**.

It includes three role-based portals:

- **Customer Portal** – pet profiles, appointment booking, medical history
- **Veterinarian Portal** – schedules, medical record updates, pet lookup

- **Manager Portal** – staff management, appointment administration, revenue reports

## 2. In the Back-End layer:

The Application Layer is implemented using a **Node.js + Express server**.

This layer contains all **business logic** of the system, organized into functional modules such as:

- Authentication & Authorization
- User and Role Management
- Pet Management
- Appointment & Scheduling
- Medical Records
- Reporting & Statistics

A **Controller–Service–Repository structure** is applied to improve separation of concerns:

- Controllers handle HTTP requests/responses
- Services contain business rules
- The Repository Layer handles all database operations through the Supabase client

This layer also performs validation, authorization (RBAC), and error handling before interacting with the database.

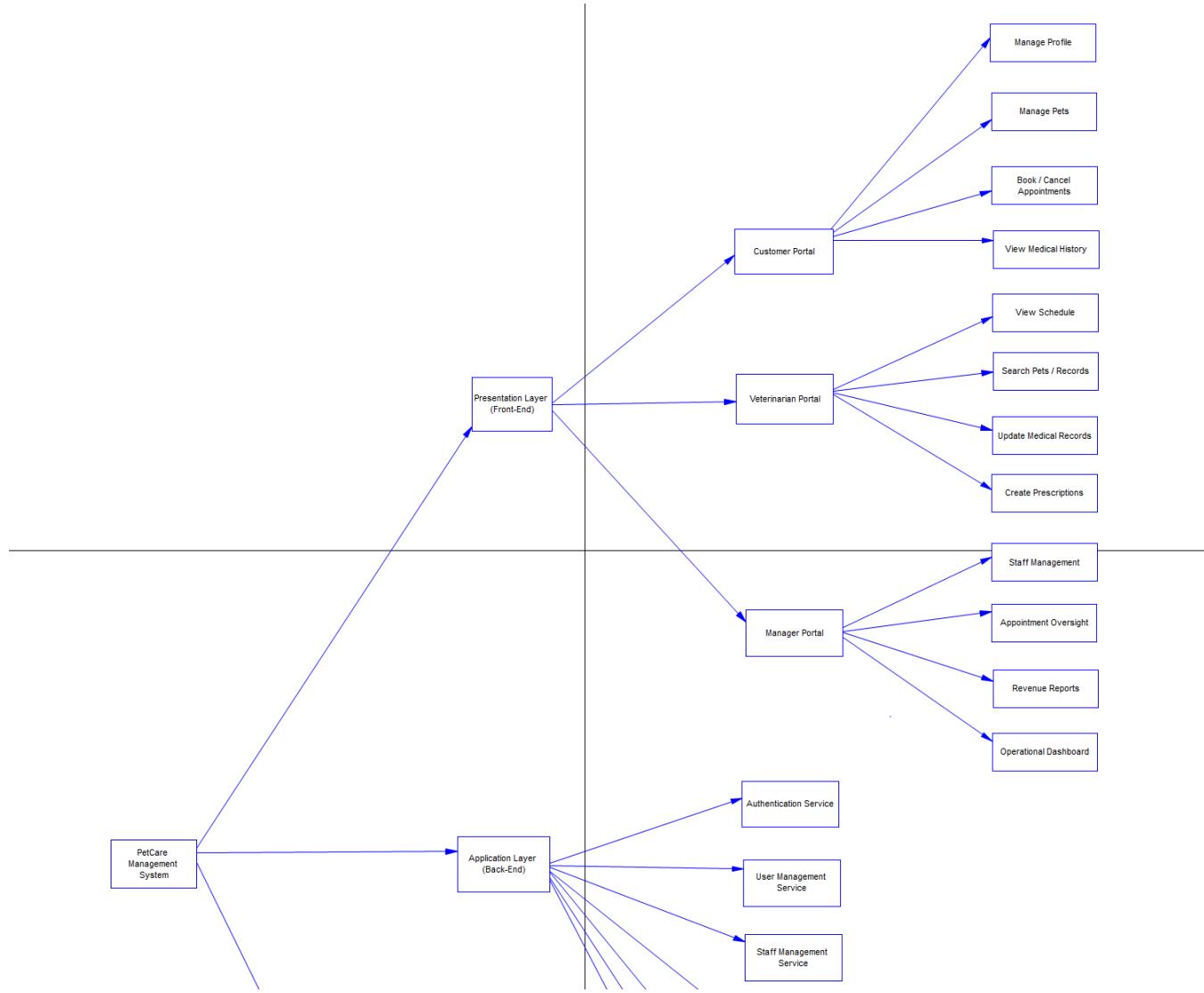
## 3. In the Database layer:

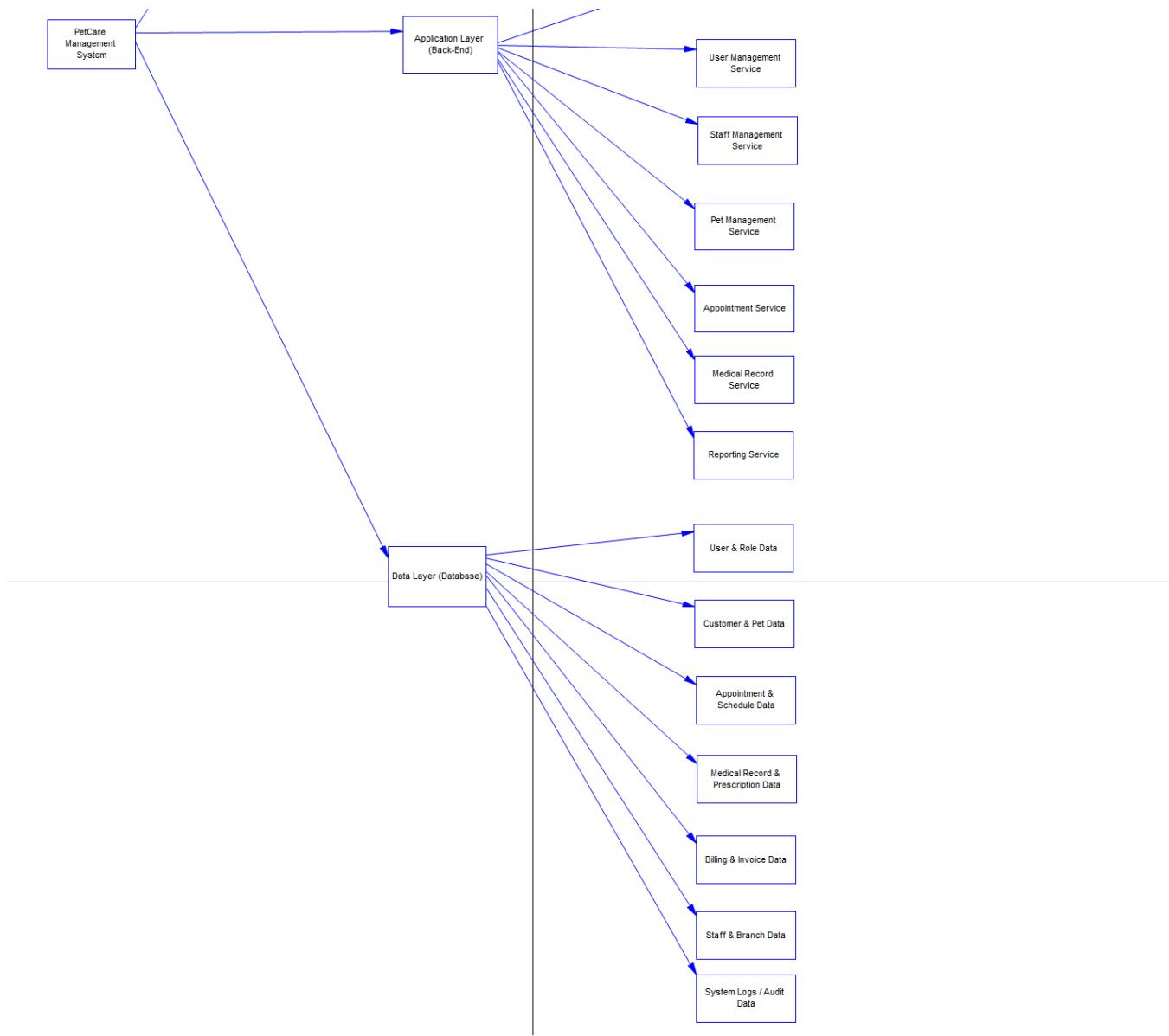
The Data Layer uses **Supabase PostgreSQL** as the central storage for all system data, including:

- users
- pets
- appointments
- medical\_records
- invoices
- audit and system logs

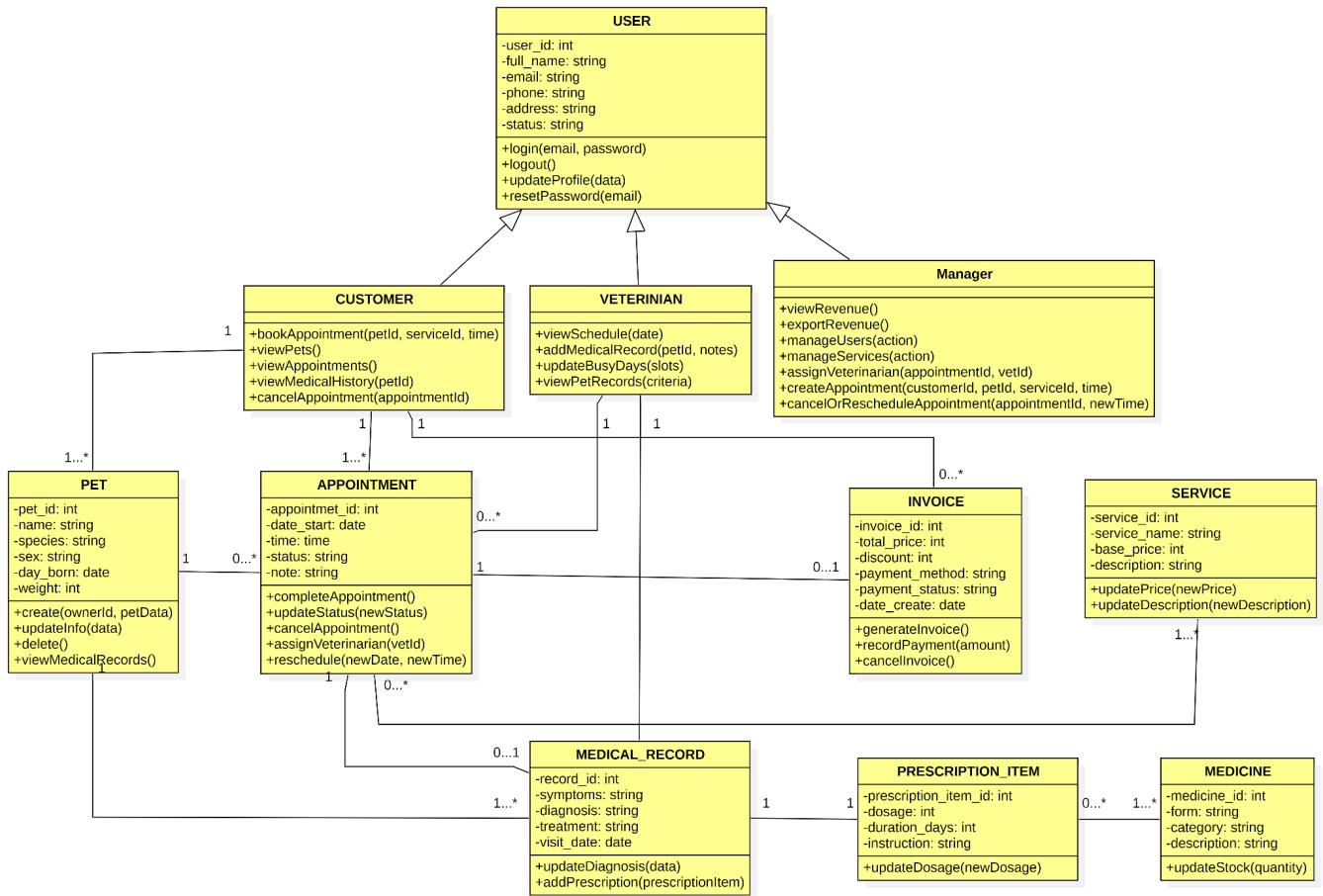
Supabase enforces **relational constraints**, **indexes**, and **Row-Level Security (RLS)** policies to protect sensitive information, ensuring that only authorized roles may access customer, medical, or financial records.

### 3.1.2 System Decomposition Tree





## 3.2 Class Diagram



## 3.3 Class Specifications

### 3.3.1 Class **USER**

Inherits: None

Seq	Property	Modifier	Constraint	Description
1	user_id	private	int	Unique user identifier
2	full_name	private	string	Full name of the user
3	email	private	string	Email address
4	phone	private	string	Phone number
5	address	private	string	Home address
6	status	private	string	Account status

Seq	Operation	Modifier	Constraint	Description
1	login(email, password)	public		Authenticate user (email, password)
2	logout()	public		Logout user session
3	updateProfile(data)	public		Update user profile information
4	resetPassword(email)	public		Request password reset by email

### 3.3.2 Class CUSTOMER

**Inherits:** USER

**Attributes:** (*Inherited from USER*)

Seq	Operation	Modifier	Constraint	Description
1	bookAppointment(petID, serviceID, time)	public		Book a new appointment for a pet
2	viewPets()	public		View list of owned pets
3	viewAppointments()	public		View customer's appointment history
4	viewMedicalHistory(petID)	public		View a pet's medical record
5	cancelAppointment(appointment)	public		Cancel an existing appointment

### 3.3.3 Class VETERINARIAN

**Inherits:** USER

**Attributes:** (*Inherited from USER*)

Seq	Operation	Modifier	Constraint	Description
1	viewSchedule(date)	public		View veterinarian's schedule
2	addMedicalRecord(petID, notes)	public		Add a new medical record for a pet
3	updateAvailability(slots)	public		Update available working slots
4	searchPetRecords(criteria)	public		Search for pet medical records

### 3.3.4 Class MANAGER

**Inherits:** USER

**Attributes:** (*Inherited from USER*)

Seq	Operation	Modifier	Constraint	Description
1	viewRevenue()	public		View revenue
2	exportRevenue()	public		Export revenue report (PDF, ...)
3	manageUsers(action)	public		Manage user accounts
4	manageServices(action)	public		Manage available services
5	assignVeterinarian(appointmentID, vetID)	public		Assign veterinarian to appointments
6	createAppointment(customerID, petID, serviceID, time)	public		Create new appointment

7	cancelOrRescheduleAppointment(appointmentID, newTime)	public		Cancel or reschedule an appointment
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### 3.3.5 Class PET

Inherits: None

Seq	Property	Modifier	Constraint	Description
1	pet_id	private	int	Unique pet identifier
2	name	private	string	Name of the pet
3	species	private	string	Species (e.g., dog, cat)
4	sex	private	string	Sex of the pet
5	day_born	private	date	Date of birth
6	weight	private	int	Weight of the pet

Seq	Operation	Modifier	Constraint	Description
1	create(ownerID, petDate)	public		Register a new pet
2	updateInfo(data)	public		Update pet information
3	delete()	public		Remove pet record
4	viewMedicalRecords()	public		View pet's medical records

### 3.3.6 Class APPOINTMENT

Inherits: None

Seq	Property	Modifier	Constraint	Description
1	appointment_id	private	int	Unique appointment identifier
2	date_start	private	date	Start date of appointment

3	time	private	time	Appointment time
4	status	private	string	Status (active/completed)
5	note	private	string	Additional notes

Seq	Operation	Modifier	Constraint	Description
1	completeAppointment()	public		End the appointment
2	updateStatus(newStatus)	public		Update status of appointment
3	cancelAppointment()	public		Cancel this appointment
4	assignVeterinarian(vetID)	public		Assign vet to appointment
5	reschedule(newDate, newTime)	public		Change appointment date/time

### 3.3.7 Class INVOICE

Inherits: None

Seq	Property	Modifier	Constraint	Description
1	invoice_id	private	int	Unique invoice identifier
2	total_price	private	int	Total price
3	discount	private	int	Discount applied
4	payment_method	private	string	Payment method
5	payment_status	private	string	Payment completed or not
6	date_create	private	date	Date of invoice creation

Seq	Operation	Modifier	Constraint	Description

1	generateInvoice()	public		Generate a new invoice
2	recordPayment(ammount)	public		Record a payment
3	cancelInvoice()	public		Cancel the invoice

### 3.3.8 Class *SERVICE*

Inherits: None

Seq	Property	Modifier	Constraint	Description
1	service_id	private	int	Unique service identifier
2	service_name	private	string	Name of the service
3	base_price	private	int	Base price of the service
4	description	private	string	Description of the service

Seq	Operation	Modifier	Constraint	Description
1	updatePrice(newPrice)	public		Update service price
2	updateDescription(newDescription)	public		Update service description

### 3.3.9 Class *MEDICAL\_RECORD*

Inherits: None

Seq	Property	Modifier	Constraint	Description
1	record_id	private	int	Unique medical record identifier
2	symptoms	private	string	Symptoms described
3	diagnosis	private	string	Medical diagnosis
4	treatment	private	string	Treatment details

5	visit_date	private	date	Date of veterinary visit
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Seq	Operation	Modifier	Constraint	Description
1	updateDiagnosis(data)	public		Update diagnosis details
2	addPrescription(prescriptionItem)	public		Add a prescription to the record

### 3.3.10 Class *PREScription\_ITEM*

Inherits: None

Seq	Property	Modifier	Constraint	Description
1	prescription_item_id	private	int	Unique prescription item identifier
2	dosage	private	int	Dosage amount
3	duration_days	private	int	Number of days for medication
4	instruction	private	string	Instructions for use

*I.2*

Seq	Operation	Modifier	Constraint	Description
1	updateDosage(newDosage)	public		Update the dosage information

### 3.3.11 Class *MEDICINE*

Inherits: None

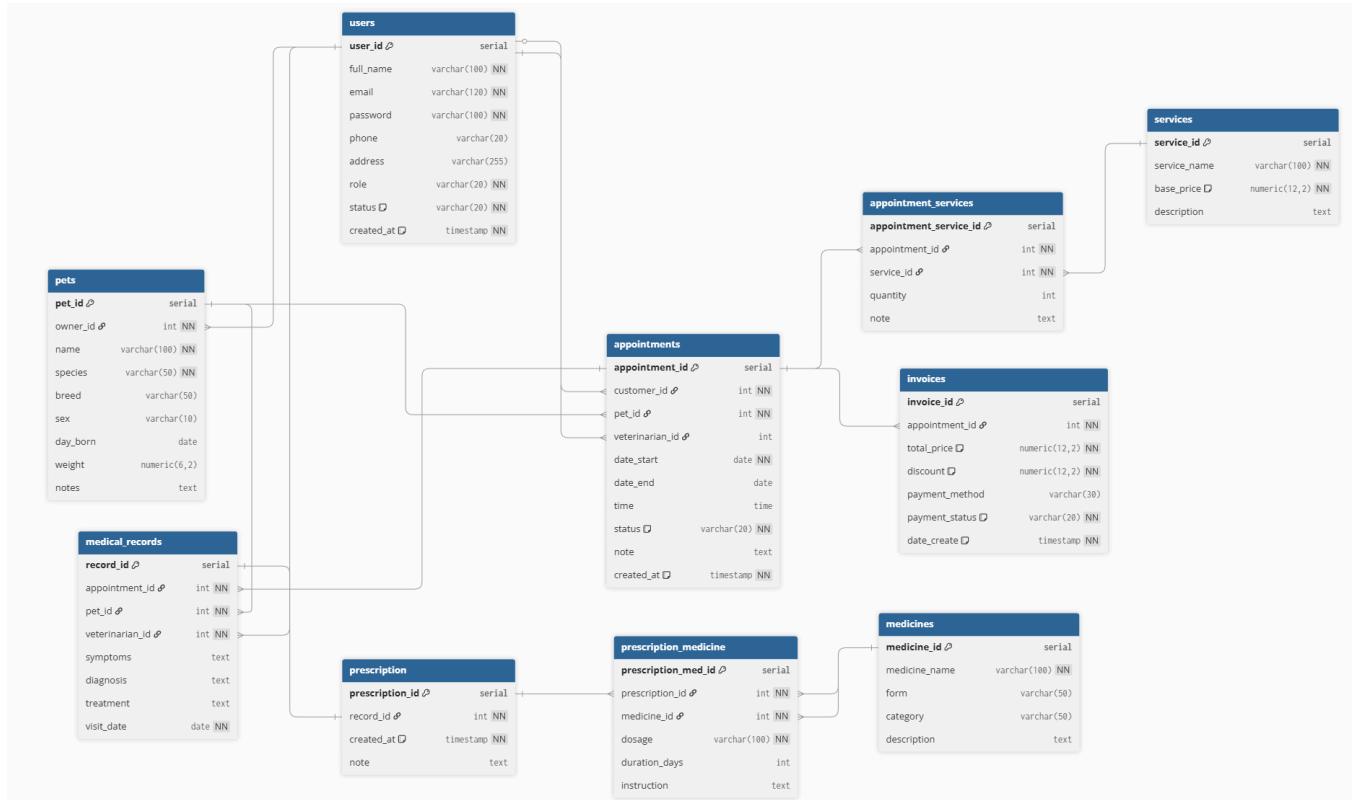
Seq	Property	Modifier	Constraint	Description
1	medicine_id	private	int	Unique medicine identifier
2	form	private	string	Form of medicine (e.g., tablet)

3	category	private	string	Category of medicine
4	description	private	string	Description

Seq	Operation	Modifier	Constraint	Description
1	updateStock(quantity)	public		Update stock quantity

## 4 Data Design

### 4.1 Data Diagram



## 4.2 Data Specification

### 4.2.1 USERS

Attribute Name	Data type	Constraint	Key Constraint	Explanation
user_id	bigserial	not null	primary key	Unique identifier for each system user.
full_name	varchar(100)	not null		User's full name.
email	varchar(120)	not null, unique		Used for login; no duplicates allowed.
password	varchar(100)	notnull		Encrypted password stored securely.
phone	varchar(20)			Contact number.
address	varchar(255)			User address.
status	varchar(20)	Not null default “active”		Account status.
created_at	timestamp	Not null default now()		Timestamp when the user was registered.
role	varchar(20)	not null		User role (customer / veterinarian / manager).

### 4.2.2 PETS

Attribute Name	Data type	Constraint	Key Constraint	Explanation
pet_id	bigserial	not null	primary key	Unique identifier for pets.
owner_id	bigint	not null	Foreign key (references USER(user_id))	The Owner must be a registered Customer.
name	varchar(100)	not null		Pet name.
species	varchar(50)	not null		Species (Dog, Cat, ...).
sex	varchar(10)			Male/Female.
day_born	date			Birthday.
weight	numeric(6,2)			Weight in kilograms.
notes	text			Additional notes/vet remarks.

#### 4.2.3 SERVICES

Attribute Name	Data type	Constraint	Key Constraint	Explanation
service_id	bigserial	not null	primary key	Unique service identifier.

service_name	varchar(100)	not null		Name of service (e.g., Consultation).
base_price	numeric(12,2)	not null		Default service price.
description	text			Text description of service.

#### 4.2.4 APPOINTMENTS

Attribute Name	Data type	Constraint	Key Constraint	Explanation
appointment_id	bigserial	not null	primary key	Unique appointment identifier.
customer_id	bigint	not null	Foreign key (references USER(user_id))	Customer who booked the appointment.
pet_id	bigint	not null	Foreign key (references PET(pet_id))	The pet receiving the service.
veterinarian_id	bigint	not null	Foreign key (references USER(user_id))	Assigned veterinarian.
date_start	date	not null		Start date of booking.
time	time			Time of appointment.

status	varchar(20)	not null		BOOKED, CANCELLED, COMPLETED.
note	text			Additional notes.
created_at	timestamp	not null default now()		Time when appointment was created.

#### 4.2.5 *APPOINTMENTS\_SERVICES*

Attribute Name	Data type	Constraint	Key Constraint	Explanation
Appointment_service_id	bigserial	not null	primary key	Unique identifier for each appointment–service pair.
appointment_id	bigint	not null	Foreign key (references APPOINTMENT(appointment_i d))	Appointment that uses this service.
service_id	bigint	not null	Foreign key (references	Service used in the appointment.

			SERVICE(service_id))	
quantity	int	default 1		Number of times/units of the service (optional).
note	text			Extra note for the service usage.

#### 4.2.6 INVOICES

Attribute Name	Data type	Constraint	Key Constraint	Explanation
invoice_id	bigserial	not null	primary key	Unique invoice identifier.
appointment_id	bigint	not null, unique	Foreign key (references APPOINTMENT(appointment_id))	Ensures 1-to-1 relationship with appointments.
total_price	numeric(12,2)	not null		Final invoice amount.

discount	numeric(12,2)	not null default 0		Discount applied.
payment_method	varchar(30)			Cash, card, transfer...
payment_status	varchar(20)	not null default “Unpaid”		Payment status.
date_create	timestamp	not null default now()		Invoice creation timestamp.

#### 4.2.7 MEDICAL\_RECORDS

Attribute Name	Data type	Constraint	Key Constraint	Explanation
record_id	bigserial	not null	primary key	Unique record identifier.
appointment_id	bigint	not null, unique	Foreign key (references APPOINTMENT(appointment_id))	Tied to an appointment.
pet_id	bigint	not null	Foreign key (references PET(pet_id))	Pet being examined.

veterinarian_id	bigint	not null	Foreign key (references USER(user_id))	Vet who wrote the record.
symptoms	text			Symptoms described by the owner/vet.
diagnosis	text			Diagnosis details.
treatment	text			Treatment plan (HTML).
visit_date	date	not null		Examination date.

#### 4.2.8 MEDICINES

Attribute Name	Data type	Constraint	Key Constraint	Explanation
medicine_id	bigserial	not null	primary key	Unique medicine ID.
medicine_name	varchar(100)	not null		Name of the medicine.
form	varchar(50)			Tablet, syrup, injection, ...
category	varchar(50)			Antibiotics, vaccines, supplements...

description	text			Additional description.
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#### 4.2.9 PRESCRIPTIONS

Attribute Name	Data type	Constraint	Key Constraint	Explanation
prescription_id	bigserial	not null	primary key	Unique prescription ID.
record_id	bigint	not null, unique	Foreign key (references MEDICAL_RECORD(record_id))	Links the prescription to a medical record; each medical record can have at most one prescription.
created_at	timestamp	not null default now()		timestamp when the prescription was created.
note	text			General notes for the prescription.

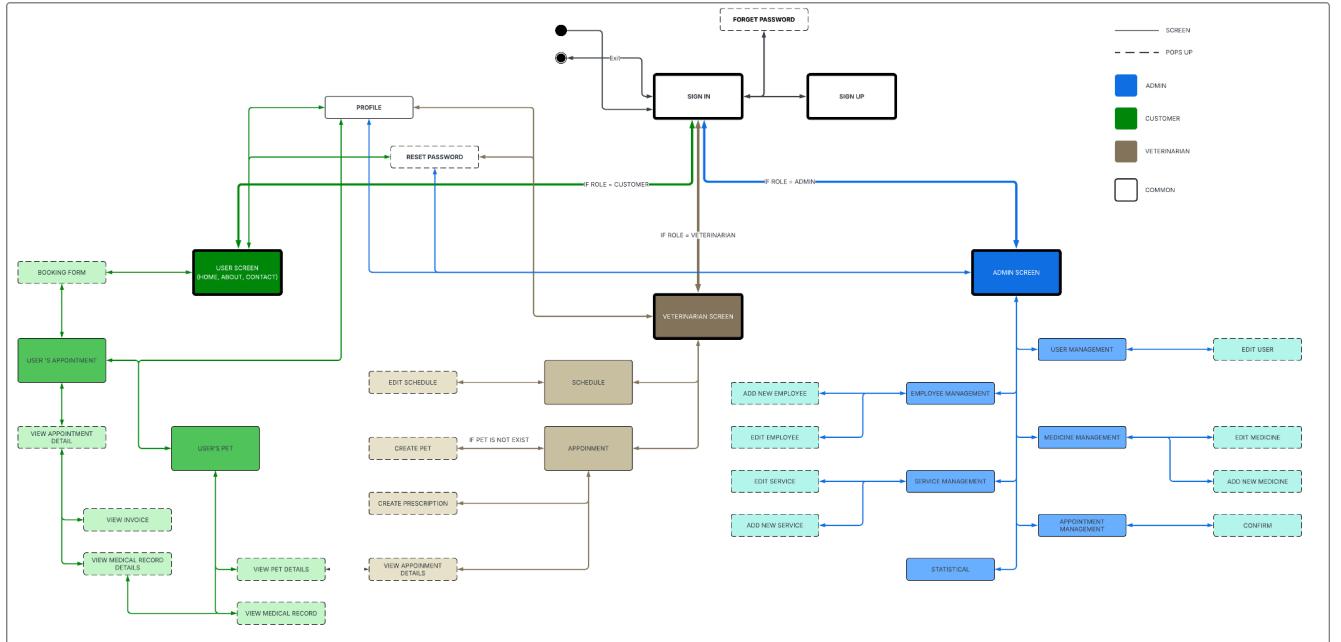
#### 4.2.10 PRESCRIPTIONS\_MEDICINES

Attribute Name	Data type	Constraint	Key Constraint	Explanation
prescription_medicine_id	bigserial	not null	primary key	Unique identifier for prescription line.

prescription_id	bigint	not null	Foreign key (references PRESCRIPTIO N(prescription_i d))	The prescription that this medicine line belongs to.
medicine_id	bigint	not null	Foreign key (references MEDICINE(me dicine_id))	The medicine that this line item refers to.
dosage	varchar(100)	not null		Dosage (e.g., "1 tablet x 2/day").
duration_days	integer			Number of days.
instruction	text			Instructions.

# 5 User Interface and User Experience Design

## 5.1 Screen Diagram



Link of the diagram: [Link](#)

Seq	Screen	Description
1	Sign Up	Screen for new users to create an account.
2	Login	Allows existing users to sign into the system.
3	Home Page	Main landing page containing service introduction and quick booking access.
4	About Page	Displays information about the company, mission, and staff.
5	Contact Page	Provides contact information such as address, phone number, and social media channels.

6	My Profile	Allows users to view and update personal information.
7	Pet List	Displays all pets registered by the user.
8	View Pet	Shows detailed information of a selected pet.
9	Pet Medical Record	Shows historical medical treatments of the pet.
10	Booking Form	Allows users to create a new appointment by selecting pet, service, date and time.
11	Appointment List	Displays all upcoming and past appointments of the user.
12	Appointment Details	Shows full appointment information and provides access to medical record or invoice.
13	Medical Record Form	Displays the medical record created by the doctor and details of treatment & medicines.
14	Invoice View	Shows invoice details including doctor name, date, payment method, and amount.
15	Admin – Profile	Allows the admin to view and update their own profile information, including name, email, phone, and address.
16	Admin – User List	Displays all customer accounts with basic information and actions.
17	Admin – Employee List	Shows all employees registered in the system with filtering options.
18	Admin – Medicine List	Displays available medicine items used for treatments.
19	Admin – Add New Employee	Allows admin to create a new employee record.
20	Add New Medicine	Allows admin to add new medicine information including name, form, and category.
21	Admin – View User Profile	Displays detailed information of a selected user for updating or deletion.
22	Admin – View Employee Profile	Shows full details of an employee, including editable fields.

23	Admin – View Medicine Detail	Shows detailed information of a selected medicine with update/delete options.
24	Admin – Appointment List	Displays all appointments in the system with filtering and search function.
25	Admin – Appointment Confirmation	Allows admin to confirm or update an appointment with assigned veterinarian and notes.
26	Admin – Service List	Displays available services with details and pricing.
27	Admin – Add New Service	Enables admin to create a new service offering.
28	Admin – View Service Detail	Displays a specific service's details for editing or deletion.
29	Admin – Statistical Dashboard	Provides visual analytics including revenue charts, service usage, and customer statistics.
30	Veterinarian – Schedule Calendar	Displays the veterinarian's monthly calendar, showing available and booked time slots.
31	Veterinarian – Appointment List	Shows all appointments assigned to the veterinarian.
32	Veterinarian – Appointment Reception	Allows the veterinarian to review customer, pet, and service information before confirming the appointment.
33	Veterinarian – Prescription (Medical Treatment Form)	Enables the veterinarian to create a medical record including medicines, symptoms, diagnosis, and instructions.
34	Veterinarian – Profile	Allows the veterinarian to view and update personal profile information.
35	Veterinarian – Create New Pet	Enables the veterinarian to create a new pet profile when missing from the customer's record.
36	Change Password	Allows logged-in users to update their password by entering their old password and creating a new one.
37	Reset Password	Used when a user forgets their password; allows resetting via email verification.
38	Veterinarian – Set Your Time	Allows the veterinarian to define available working hours for a selected date.

## 5.2 Screen Specifications

### 5.2.1 Screen “Sign up”



#### JOIN OUR FAMILY

 Email Full name Phone number Password Confirm password

I have an account! [LOGIN](#)

### 5.2.2 Screen “Login”

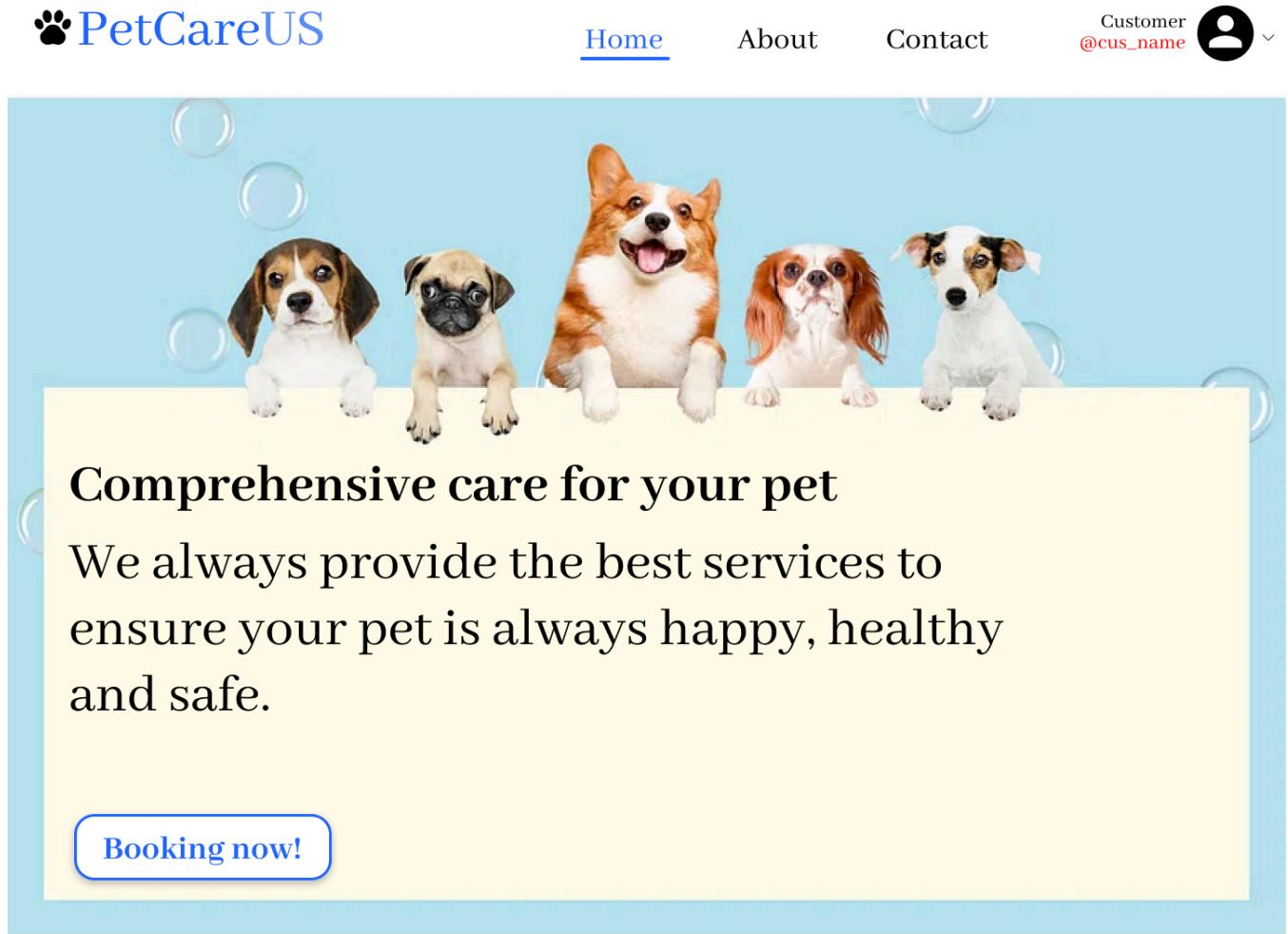
 PetCareUS

## WELCOME BACK

[Forgot password?](#)

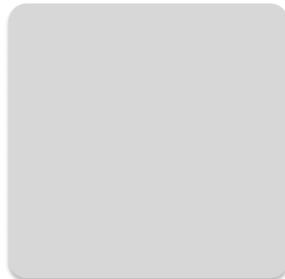
Already have no account? [JOIN WITH US](#)

### 5.2.3 Screen “Home page”

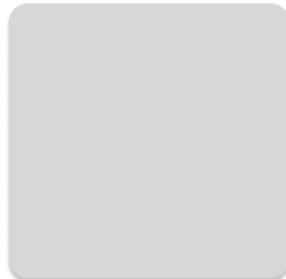


The screenshot shows the homepage of a pet care website named PetCareUS. At the top left is the logo 'PetCareUS' with a paw print icon. The top right features a user profile placeholder with the text 'Customer @cus\_name'. The navigation menu includes 'Home' (underlined), 'About', and 'Contact'. The main content area has a light blue background with five dogs of different breeds (Corgi, Beagle, Pug, Cavalier King Charles Spaniel, and Jack Russell Terrier) peeking over a white banner. The banner contains the text 'Comprehensive care for your pet' and 'We always provide the best services to ensure your pet is always happy, healthy and safe.' Below the banner is a blue button labeled 'Booking now!'. The overall design is clean and professional.

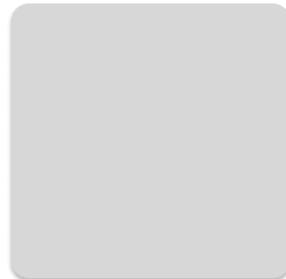
## OUR SERVICE



Service name  
Service description



Service name  
Service description



Service name  
Service description

#### 5.2.4 Screen “About page”

[Home](#)[About](#)[Contact](#)Customer  
@cus\_name A small black circular icon with a white user silhouette inside, accompanied by a downward-pointing arrow.

### WHO WE ARE?

PetCareUS is a customer-centered pet care service dedicated to delivering safe, reliable, and professional solutions for pet owners. Founded with a passion for animal well-being and modern technology, we aim to simplify the way customers manage their pets' health, grooming, and daily care.

At PetCareUS, we combine expert veterinary knowledge with a user-friendly digital platform to help pet owners schedule appointments, track medical records, and access high-quality care across multiple service branches. Our team is committed to maintaining the highest standards of hygiene, compassion, and service excellence.

We believe that every pet deserves personalized attention and a comfortable experience. That is why we continuously improve our system, expand new features, and train our staff to ensure that both pets and owners feel supported throughout their journey with us.

**PetCareUS – Caring for your pets with love, trust, and technology.**

### STAFF INFORMATION



Emp role  
Emp name



Emp role  
Emp name



Emp role  
Emp name



Emp role  
Emp name

### 5.2.5 Screen “Contact page”

[Home](#)[About](#)[Contact](#)Customer  
@cus\_name 

#### STAFF INFORMATION



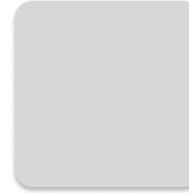
Emp role  
Emp name



Emp role  
Emp name



Emp role  
Emp name



Emp role  
Emp name

#### CONTACT US

 Address:

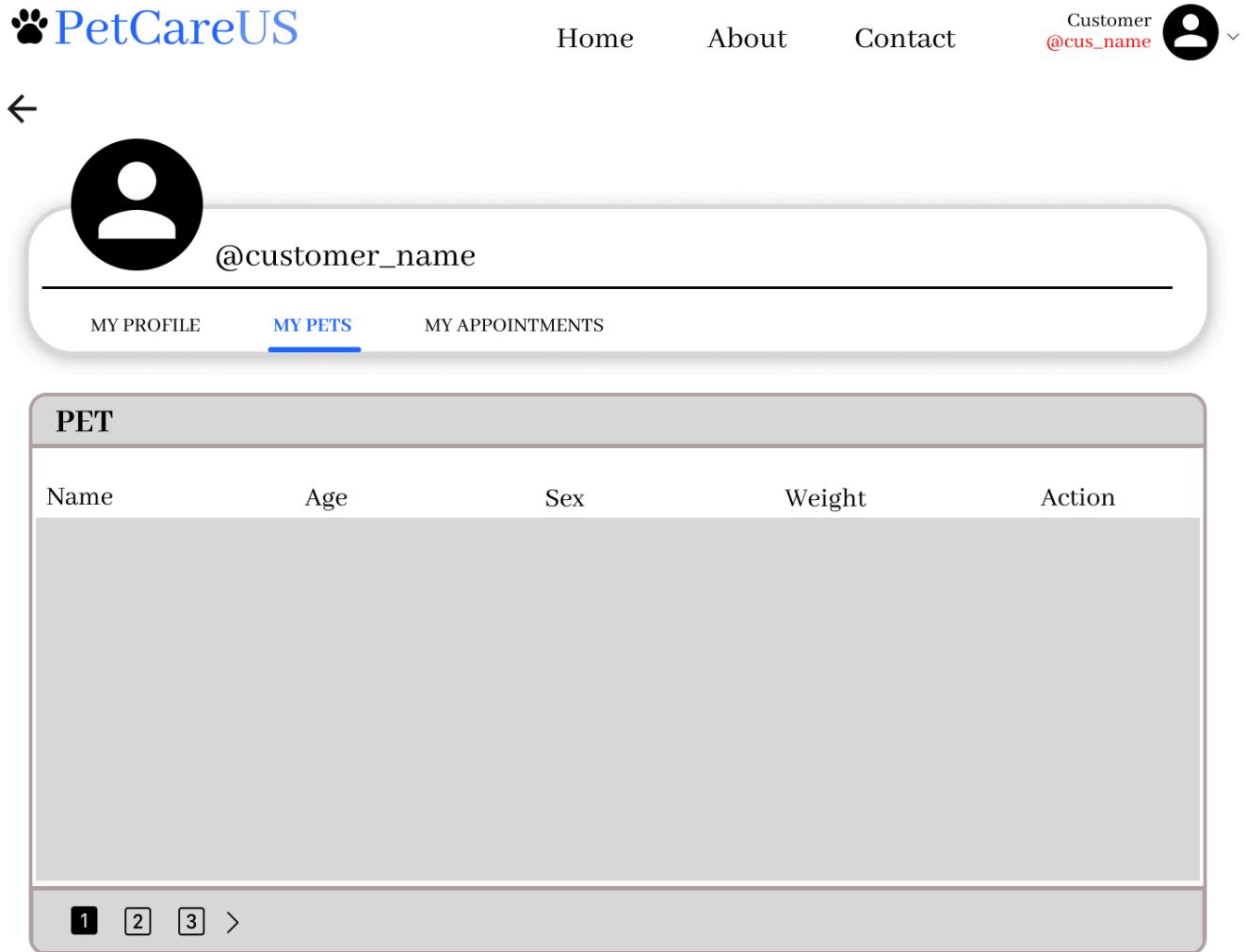
 Phone:

 Email:

### 5.2.6 Screen “Customer - My Profile”

The wireframe illustrates the 'Customer - My Profile' screen for the PetCareUS application. At the top, there is a navigation bar with the logo 'PetCareUS' (featuring a paw print icon), 'Home', 'About', 'Contact', and a user profile icon labeled 'Customer @cus\_name'. Below the navigation bar is a back arrow icon. The main area features a large circular profile placeholder with the text '@customer\_name' below it. A horizontal navigation bar below the placeholder includes 'MY PROFILE' (which is underlined in blue), 'MY PETS', and 'MY APPOINTMENTS'. The central content area is titled 'PROFILE' in a brown header bar. It contains five input fields: 'FULL NAME' (empty), 'ROLE' (set to 'Customer'), 'EMAIL' (empty), 'PHONE' (empty), and 'ADDRESS' (empty). In the bottom right corner of the profile area, there is a blue-outlined 'Update' button.

## 5.2.7 Screen “Pet List”



The image shows the 'Pet List' screen of the PetCareUS mobile application. At the top, there is a navigation bar with a back arrow, a user profile icon, and the text '@customer\_name'. Below the navigation bar, there are three tabs: 'MY PROFILE', 'MY PETS' (which is currently selected), and 'MY APPOINTMENTS'. The main content area is titled 'PET' and contains a table with columns: Name, Age, Sex, Weight, and Action. There are three numbered buttons (1, 2, 3) and a right-pointing arrow at the bottom of the table.

Name	Age	Sex	Weight	Action

1 2 3 >

### 5.2.8 Screen “View Pet”

**VIEW PET** 

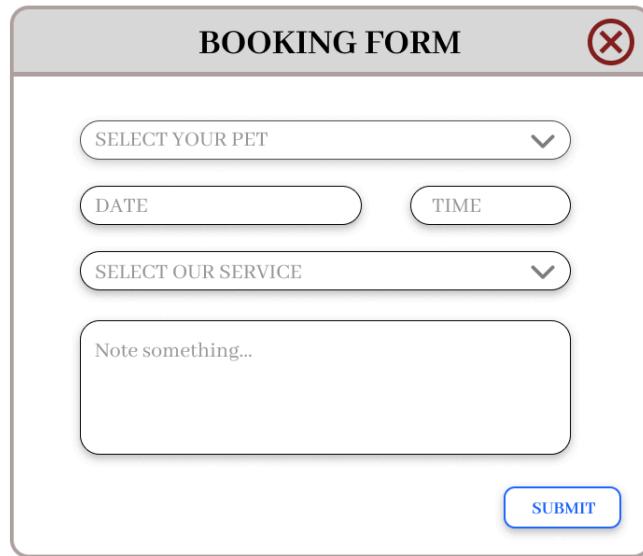
PET NAME:	<input type="text"/>
SEX:	<input type="text"/>
SPECIES:	<input type="text"/>
YEAR OF BIRTH:	<input type="text"/>
WEIGHT:	<input type="text"/>

### 5.2.9 Screen “Pet Medical Form”

MEDICAL RECORD				X
Date	Diagnosis	Treatment	Action	

1 2 3 4 5 >

### 5.2.10 Screen “Booking Form”



The image shows a wireframe of a 'Booking Form' window. At the top center is the title 'BOOKING FORM' in bold capital letters. In the top right corner is a red circular close button with a white 'X'. Below the title are three input fields: a dropdown menu labeled 'SELECT YOUR PET' with a downward arrow, a text input labeled 'DATE', and another text input labeled 'TIME'. Underneath these is another dropdown menu labeled 'SELECT OUR SERVICE' with a downward arrow. Below these fields is a large text area with a placeholder 'Note something...'. At the bottom right of the form is a blue rectangular button labeled 'SUBMIT'.

## Interface Design:

- **Main Container (Modal/Form):** The form is a focused, mid-sized, centered box suggesting it appears as a modal dialog or a dedicated form screen, separate from the main application background. It is bordered.
- **Header and Title:**
  - A header bar is at the top.

- The title is "**USER MANAGEMENT**" (This is likely a generic placeholder; contextually, it should be "**BOOK AN APPOINTMENT**" or "**NEW APPOINTMENT**").
- A "**cancel**" icon (styled with error/red color) is present on the top-right of the form container, indicating an exit or close action.
- **Input Fields:** The form is designed for user input, primarily using text fields or dropdowns with placeholder text and icons.
  - **Pet Selection:** "**SELECT YOUR PET**" is the first required input, indicated by a text box and a dropdown arrow icon, suggesting this is a selection list for the user's registered pets.
  - **Service Selection:** "**SELECT OUR SERVICE**" is another key selection field, also featuring a dropdown arrow, allowing the user to choose the desired pet care service.
  - **Timing:** "**DATE**" and "**TIME**" inputs are displayed side-by-side, facilitating the selection of the appointment time slot.
  - **Notes:** A larger text area with the placeholder "**Note something...**" is provided for the user to add special instructions or comments regarding the booking.
- **Action Button:**
  - A single action button labeled "**SUBMIT**" is located at the bottom right of the form. It is bordered in blue, indicating the primary action to complete the form and create the appointment.

## Event handling:

- **Form Submission:**
  - Clicking the blue "**SUBMIT**" button triggers the core function:
    1. The system validates all required input fields (**Pet, Service, Date, Time**).
    2. If valid, the new appointment is created in the system.
    3. The system should then provide feedback (e.g., a success message) and redirect the user to the "**Appointment List**" screen.
- **Field Selection:**

- Interacting with the "**SELECT YOUR PET**" and "**SELECT OUR SERVICE**" fields (by clicking the text box or the arrow icon) should open a dropdown list or a separate selection dialog displaying available options.
  - Interacting with the "**DATE**" and "**TIME**" fields should launch appropriate pickers (e.g., a calendar date picker, a time picker) for accurate selection.
- **Cancellation/Closing:**
    - Clicking the red "**cancel**" icon on the form's header will close the booking form without submitting the appointment, returning the user to the previous screen (likely the "**Home page**" or "**Appointment List**").

### 5.2.11 Screen “Customer - View Appointment List”

The screenshot shows the PetCareUS mobile application interface. At the top, there is a header bar with the logo "PetCareUS" (featuring a paw print icon) on the left and navigation links "Home", "About", and "Contact" on the right. A user profile is shown on the far right, labeled "Customer @cus\_name". Below the header is a back arrow icon. The main content area has a rounded rectangular shape. It features a large circular profile picture placeholder with the text "@customer\_name" below it. Below this is a navigation bar with three tabs: "MY PROFILE", "MY PETS", and "MY APPOINTMENTS", where "MY APPOINTMENTS" is underlined. The main section is titled "APPOINTMENT" and contains a table with columns: "Date start", "Service", "Status", and "Action". There is a green button with a plus sign and the word "New" in the top right corner of this section. At the bottom, there is a navigation bar with page numbers 1, 2, 3, and a right arrow.

## Interface Design:

- **Header Area:**
  - **Branding and Navigation:** The header is prominent.
    - **Logo/Brand:** Displays "PetCareUS" in blue on the left.

- **Main Navigation Links:** Key global navigation links are centered/right-aligned in the header: "**Home**", "**About**", and "**Contact**" (no persistent sidebar in this view).
- **User/Profile Area:** Located in the top-right corner.
  - **User Role/Name:** Displays "**Customer**" and a dynamic username "**@cus\_name**"..
  - **Avatar:** A profile picture placeholder and a dropdown indicator suggest a menu for settings or logout.
- **Main Content Area:**
  - **User Info Card:** A large white, rounded, and shadowed rectangle is placed below the header, containing user-specific information.
    - **User Name:** Displays "**@customer\_name**" prominently in the top-left of the card.
    - **Profile Image:** A large placeholder for the user's avatar.
  - **Sub-Navigation Tabs:** A secondary navigation/tab system is present below the user name:
    - **"MY PROFILE"** (Left tab)
    - **"MY PETS"** (Center tab)
    - **"MY APPOINTMENTS"** (Right tab)
    - **Current Active Tab:** "**MY APPOINTMENTS**" is highlighted and underlined with a thick blue line, indicating the user is currently viewing their appointments.
- **Appointment List Section:**
  - **Container:** A large, bordered container holds the appointment data.
  - **Header Bar:** An internal header contains the title "**USER MANAGEMENT**" (This title might be a generic placeholder or incorrect for a customer-facing screen, which should ideally be "**APPOINTMENT LIST**").
    - **"New" Button:** A green button with a plus icon is positioned in the top-right, used for adding new appointments.
  - **Data Table Header:** Defines the columns for the appointment list:
    - **"Date start"** (Start Date)

- "Service" (Service Type)
- "Status" (Appointment Status, e.g., Confirmed, Pending)
- "Action" (Buttons for interaction like Cancel/View Details)
- **Pagination/Navigation:** Indicates an arrow suggesting a pagination system at the bottom to navigate multiple pages of appointment records.

## Event handling:

- **Global Navigation:**
  - Clicking "Home", "About", or "Contact" in the header redirects the user to those respective general pages.
  - Clicking the dropdown indicator next to the profile avatar should display a menu, likely including a "Log out" option (as described in the design documentation).
- **Sub-Navigation (Tabs):**
  - Clicking "MY PROFILE" or "MY PETS" will redirect the user to the respective screens, changing the active tab highlight.
- **Core Action:**
  - Clicking the "New" button (with the plus icon) in the appointment list header will trigger the "Booking Form" to appear or redirect the user to it, allowing them to schedule a new appointment.
- **List Interaction:**
  - The "Action" column implies buttons or links that, when clicked, will likely:
    - Redirect to the "Appointment Details" screen.
    - Display options like "Cancel Appointment" (if the status allows).
- **Data Pagination:**
  - Clicking on page numbers or the right arrow will load the next (or previous/specific) set of appointment records into the list area.

### 5.2.12 Screen “Appointment Details”

APPOINTMENT - VIEW DETAILS

PET NAME

DOCTER NAME

TIME: [ ] DATE START: [ ] STATUS: [ ]

NOTE:

Record

Invoice

## Interface Design:

- **Main Display Container:** The core of the screen is a large, centered, white, and bordered container which houses all the detailed information for a single appointment.
- **Header and Title:**
  - The container features a distinct header bar at the top.

- A centered title is present ("USER MANAGEMENT"), which contextually should be "APPOINTMENT DETAILS" or "VIEW APPOINTMENT".
- A prominent "cancel" icon (styled with error/red color) is located in the top-right corner, serving as a close or back button for this detail view.
- **Appointment Information Fields:** The screen is structured to display appointment data clearly using distinct labels and bordered display boxes.
  - **Key Details:** Fields for "PET NAME" and "VET NAME" are displayed prominently near the top, side-by-side.
  - **Timing and Status:** Fields for "TIME:", "DATE START :", and "STATUS :" are grouped below, often formatted within smaller display boxes.
  - **Notes:** A large display area is designated for "NOTE:", likely containing additional information, special requests, or brief service summaries.
- **Action Buttons (Access to Related Documents):** Two large, distinct action buttons are positioned at the bottom of the container, providing quick access to related documentation:
  - **Medical Record:** A button bordered in green and labeled "Record" (with an eye icon), used to view the pet's medical record.
  - **Invoice:** A button bordered in blue and labeled "Invoice" (with an eye icon), used to view the payment details.

## Event Handling:

- **Closing the Details View:**
  - Clicking the "cancel" icon in the header of the detail box will close the current screen and return the user to the "Appointment List" page.
- **Viewing Medical Record:**
  - Clicking the green "Record" button will navigate the user to the "Pet Medical Record" or "Medical Record Form" screen, specifically for the pet and services associated with this appointment.
- **Viewing Invoice:**

- Clicking the blue "**Invoice**" button will navigate the user to the "**Invoice View**" screen, displaying the final payment details, charges, and payment method for the appointment.

- **Data Fields:**

- Given this is a "View" screen, all data fields (**PET NAME**, **VET NAME**, **DATE**, **STATUS**, **NOTE**) are designed as **read-only** display elements, meaning they do not allow user input or editing.

#### 5.2.13 Screen “Medical Record Form”

The wireframe shows a mobile-style interface for a medical record. At the top, a header bar contains the word "RECORD" in bold capital letters and a red circular close button with a white "X". Below the header are three text input fields: "DATE:" with a long horizontal input field, "TREATMENT:" with a medium horizontal input field, and "SYMPTION:" with a long horizontal input field. Underneath these is a section titled "MEDICINE" containing a table with four columns: "No.", "Name", "Form", and "Category". The table has a single row where all cells are empty. At the bottom of the screen are two more text input fields: "DIANOSIS:" with a long horizontal input field and "INSTRUCTION:" with a long horizontal input field. All input fields are represented by rounded rectangles with thin black outlines.

## Interface Design:

- **Sidebar:**

- **Navigation Links:** This sidebar provides the main links for the pet owner's administrative tasks, although the labels appear mismatched with a customer role (e.g., "EMPLOYEE", "USER"). Assuming the context is a user administrative dashboard:
  - **"EMPLOYEE":** This is the active/selected tab. *Contextually, this likely represents the Pet Medical Records or a similar key view, as the main content is a list of medical records.*
  - **"USER":** Link for general user management or profile settings.
  - **"MEDICINE":** Link to a list or inventory of available medications.
  - **"APPOINTMENT":** Link to the customer's appointment list.
  - **"SERVICE":** Link to a list or catalog of services offered.
  - **"STATISTICAL":** Link to a statistics/summary view (unlikely for a customer, possibly a manager or admin view being reused).
- **Icons:** Icons visually differentiate the navigation items.

- **Main Content Area:**

- **Container:** A centered, bordered box holds the list content.
- **Title/Header:** The header bar contains the title "**USER MANAGEMENT**" (The intended contextual title should be "**PET MEDICAL RECORDS**" or the pet's name).
- **Exit Button:** A red "**cancel**" icon is present in the top-right corner, indicating that this is likely a modal or sub-screen that can be closed to return to the previous view (e.g., the Pet List or Pet Details screen).
- **Data Table Header:** Defines the columns for the historical medical records:
  - **"Date":** The date the record was created (date of visit).
  - **"Diagnosis":** The doctor's diagnosis for the pet.
  - **"Treatment":** The course of action or treatment administered.
  - **"Action":** Buttons/links to view the full details of a specific record.
- **Pagination:** Page numbers (**1** to **5**) and a right arrow are at the bottom, indicating that the list of medical records is paginated.

## Event handling:

- **Exiting/Closing:**
  - Clicking the red "**cancel**" icon closes the current view and returns the user to the pet list or profile dashboard.
- **Sidebar Navigation:**
  - Clicking any other sidebar link (e.g., "APPOINTMENT," "MEDICINE") navigates the user to that respective section of the application.
- **List Interaction:**
  - The "**Action**" column provides buttons or links next to each record. Clicking this action will open the **Medical Record Form** (UC13) or **View Medical Record** screen, showing full details including medicines prescribed and full diagnosis notes for that specific date.
- **Data Pagination:**
  - Clicking on the page numbers or the right arrow loads the next set of medical records.

**5.2.14 Screen “Invoice”**

INVOICE	
DATE:	<input type="text"/>
DOCTOR:	<input type="text"/>
PAYMENT METHOD	SUBTOTAL: <input type="text"/>
Method:	DISCOUNT: <input type="text"/>
Status:	TOTAL: <input type="text"/>

### 5.2.15 Screen "Admin - View Appointment List"

The screenshot shows the PetCareUS application's administrative interface for viewing appointment lists. On the left, a vertical sidebar contains icons for User, Employee, Medicine, Appointment (which is highlighted in blue), Service, and Statistical. The main content area is titled 'APPOINTMENT' and displays a table with columns for ID User, ID Employee, Service, Date, Status, and Action. At the top of the table is a search bar labeled 'SEARCH...' and a 'Filter' button. Below the table are pagination controls numbered 1 through 5.

## Interface Design:

- Global Layout & Header:
  - **Header:** A top bar contains branding and administrative account details.
    - **Branding:** "PetCareUS" logo/name is on the left.
    - **Admin Profile:** On the top right, it shows the role "ADMIN" and a dynamic username "@ad\_name" (in red), along with an avatar placeholder and a dropdown icon.
- Side Navigation:

- A permanent side navigation bar is on the left, distinguishing this layout from customer screens.
- **Navigation Links (Management Modules):**
  - "USER": For managing customer/user accounts.
  - "EMPLOYEE": For managing staff/doctors.
  - "MEDICINE": For managing medical inventory or records.
  - "**APPOINTMENTThe current active screen**, indicated by a highlighted blue background and white text.
  - "SERVICE": For managing available pet care services.
  - "STATISTICAL": For accessing reports and the Dashboard.

- **Main Appointment List:**

- **Container:** A large, bordered area displays the appointment data.
- **Header:** An internal header contains the title "USER MANAGEMENT" (Contextually should be "APPOINTMENT MANAGEMENT").
- **Search and Filter:**
  - **Search Bar:** A prominent search bar is available, with placeholder text "SEARCH...", allowing the admin to quickly find appointments by name, ID, or other criteria.
  - **Filter Button:** A dedicated "Filter" button (gray/green, with a dropdown icon) allows the admin to apply various criteria (e.g., date range, status, service type) to narrow down the list.
- **Data Table Header:** Defines the columns for the administration appointment list:
  - "ID User" and "ID Employee": Keys for identifying the involved customer and staff member.
  - "Service": The type of service booked.
  - "Date": The appointment date.
  - "Status": The current status of the appointment (e.g., Pending, Confirmed, Completed).
  - "Action": Controls for viewing, editing, or managing the appointment.

- **Pagination:** A pagination strip at the bottom with page numbers and navigation arrows allows the administrator to browse through large sets of appointment records.

## Event handling:

- **Side Navigation Interaction:**

- Clicking any item in the sidebar (e.g., "USER", "EMPLOYEE", "STATISTICAL") will immediately redirect the administrator to the corresponding management screen or dashboard.
- Clicking the dropdown indicator next to the "ADMIN" name should open an account menu, typically containing "Log out".

- **Data Management Actions (List):**

- Entering text into the "SEARCH..." field and clicking the search icon will filter the list of appointments dynamically based on the input.
- Clicking the "Filter" button will likely display a separate filtering interface or dropdown menu, allowing the admin to select complex filtering options.
- Clicking an element under the "Action" column for any specific appointment record will open the "Appointment Details" screen, allowing the admin to **view**, **edit status**, or perform other management functions.

- **Data Browsing:**

- Clicking on any of the page numbers or the navigation arrow will load the corresponding page of appointment data in the main display area.

### 5.2.16 Screen “Admin - Confirm Appointment”

The form consists of the following fields:

- CUSTOMER: A large rectangular input field.
- TIME: A small rectangular input field.
- DATE START: A small rectangular input field.
- SERVICE: A large rectangular input field.
- VETERINARIAN: A dropdown menu with a downward arrow icon.
- NOTE: A large rectangular input field.
- SAVE: A green rounded rectangular button.

## Interface Design:

- **Main Container (Modal/Form):** The screen uses a large, centered, bordered container, suggesting a highly detailed form or editing modal.
- **Header and Title:**
  - The internal header bar contains the title "**USER MANAGEMENT**" (Again, contextually, this should be "**APPOINTMENT CONFIRMATION**" or "**EDIT APPOINTMENT**").
  - A red "**cancel**" icon is prominently placed on the top-right, serving as a close or exit button.

- **Appointment Detail Fields (Read/Edit):** The form is structured to display and potentially allow editing of crucial appointment data. All data is shown in distinct, bordered boxes.
  - **Customer & Service:** "CUSTOMER" and "SERVICE" fields are displayed at the top, likely linking to or displaying the current customer and the selected service.
  - **Timing:** "TIME" and "DATE START" are grouped together.
  - **Veterinarian Assignment:** The "VETERINARIAN" field is a critical component, featuring a dropdown arrow, confirming that the admin needs to select or assign a doctor to the appointment.
  - **Notes:** A large, multi-line field is reserved for "NOTE", allowing the admin to view the customer's notes and potentially add internal notes or details related to the confirmation.
- **Action Button:**
  - A large, green button labeled "SAVE" is positioned in the bottom-right corner. The green color strongly suggests a **Confirmation** or **Update** action, indicating the primary way to finalize changes made by the administrator.

## Event handling:

- **Closing/Exiting:**
  - Clicking the red "cancel" icon closes this detail view and returns the administrator to the "**Admin Appointment List**" screen.
- **Veterinarian Assignment:**
  - Clicking the "VETERINARIAN" input field (or the dropdown icon) opens a selection list, allowing the administrator to **assign an available veterinarian** (Employee) to this appointment. This action is critical for confirming the booking.
- **Data Editing:**
  - Since this is an administrative screen, the input fields (**Service, Time, Date Start**) are likely editable, allowing the manager to adjust the booking details if necessary (e.g., if the customer requested a time change or the initially booked service is unavailable).
- **Saving Changes:**
  - Clicking the green "**SAVE**" button performs the primary update:

1. It validates the changes, especially the selection of a **VETERINARIAN**.
2. It saves the updated appointment details (including the assigned veterinarian and any date/time changes) to the database.
3. Upon success, the system should provide a success message and likely close the form, refreshing the **Admin Appointment List**.

### 5.2.17 Screen “Vet - View Appointment List”

The screenshot shows the PetCareUS mobile application interface. At the top, there is a blue header bar with the text "Introduction to Software Engineering" on the left and "Software Design" on the right. Below the header is the main content area.

The main content area has a light gray background. At the top left, there is a sidebar with two items: "SCEDULE" and "APPOINTMENT". The "APPOINTMENT" item is highlighted with a blue background and white text, indicating it is the current active screen. To the right of the sidebar is a search bar with the placeholder "SEARCH..." and a magnifying glass icon.

The central part of the screen is titled "APPOINTMENT" in bold capital letters. Below the title is a table header with columns: "ID", "User", "Service", "Date", "Status", and "Action". The table body is currently empty, showing a light gray background. At the bottom of the table area, there is a navigation bar with five small buttons labeled 1, 2, 3, 4, and 5, followed by a right-pointing arrow.

At the very top right of the main content area, there is a user profile section. It includes the text "VETERINARIAN" and "@vet\_name" in red, next to a circular profile picture icon with a person silhouette and a downward arrow.

## Interface Design:

- **Sidebar:**
  - **Primary Navigation:** A fixed sidebar is used for core navigation links:
    - **"APPOINTMENT":** This link is actively highlighted with a blue background, indicating this is the current screen where the doctor views their assigned appointments.
    - **"SCEDULE":** A separate link for the doctor's general work schedule (e.g., shifts, time-off).
  - **Icons:** Calendar and clipboard icons next to the links reinforce their function.

- **Top Header:**

- **Branding and User ID:** The header displays the "PetCareUS" branding. On the right, it shows the role "**VETERINARIAN**" and the dynamic username "**@vet\_name**", confirming the user's identity and privileges. A profile avatar and dropdown are included for profile management.

- **Main Content Area:**

- **Container:** A large, bordered container displays the list content.
  - **Title/Internal Header:** The internal header bar contains the title "**USER MANAGEMENT**" (The intended contextual title should be "**MY APPOINTMENTS**" or "**ASSIGNED APPOINTMENTS**").
  - **Search Functionality:** A wide search bar labeled "**SEARCH...**" is available, allowing the doctor to filter their list (e.g., by customer name, service, or date).
  - **Data Table Header:** Defines the necessary columns for tracking appointments:
    - "**ID User**" (Customer/Pet Owner ID)
    - "**Service**" (Service type)
    - "**Date**" (Date of the appointment)
    - "**Status**" (Appointment status, e.g., Confirmed, Ongoing)
    - "**Action**" (Buttons/links to interact with the appointment record).
  - **Pagination:** A dedicated area at the bottom shows page numbers and an arrow, confirming that the list utilizes pagination to handle large volumes of records.

## Event handling:

- **Sidebar Navigation:**

- Clicking "**SCHEDULE**" redirects the veterinarian to their general work schedule view.

- **Search/Filter:**

- Entering text into the "**SEARCH...**" bar and triggering the search action filters the list of assigned appointments based on the input criteria.

- **List Interaction:**

- The "Action" column provides buttons/links that, when clicked for a specific appointment row, will likely:
  - Open the **Appointment Details** screen.
  - Lead to the **Medical Record Form** to begin the consultation and documentation process for that patient/pet.
- **Data Pagination:**
  - Clicking on the page numbers or the right arrow loads the subsequent pages of appointment records.
- **Profile Menu:**
  - Clicking the dropdown arrow next to the profile avatar allows the doctor to access profile settings or **Log out**.

#### 5.2.18 Screen “Vet - View appointment receptions”

The form consists of several input fields and buttons. At the top center is the title 'APPOINTMENT - RECEPTION'. To the right is a red circular close button with a white 'X'. Below the title are two horizontal input fields: 'CUSTOMER' on the left and 'SERVICE' on the right. Underneath these are two smaller input fields: 'TIME' on the left and 'DATE START' on the right. Below these is a large input field labeled 'NOTE'. At the bottom left is a red button labeled 'PET INFO'. At the bottom right is a green button labeled 'SAVE'.

## Interface Design:

- **Container:** A large, centralized, and bordered container suggesting a form or modal view.
- **Header:**
  - The internal title is "**USER MANAGEMENT**" (Contextually, this should be "**MEDICAL RECORD FORM**" or "**APPOINTMENT CONSULTATION**").
  - A red "**cancel**" icon is prominently placed on the right, acting as the exit button.
- **Appointment Details Section:** This top section displays the critical context of the visit.
  - "**CUSTOMER  - "**SERVICE  - "**TIME**" and "**DATE START******
- **Medical Documentation Section:**
  - "**NOTEDiagnosis**, and **Treatment/Prescription** details. This is the core function of this screen.
- **Action Buttons:**
  - "**PET INFO  - "**SAVE****

## Event handling:

- **Form Submission:**
  - Clicking the green "**SAVE**" button submits all data in the "**NOTE**" section. This action confirms the consultation is complete and results in the **creation of a new Medical Record** for the customer's pet. It likely also updates the corresponding appointment status to 'Completed'.
- **Navigation to History:**

- Clicking the red "**PET INFO**" button navigates the doctor to the **Pet's View Pet or Pet Medical Record** screen to review the animal's history.
- **Exiting:**
  - Clicking the "**cancel**" icon closes the form (without saving if the "**SAVE**" button hasn't been clicked) and returns the doctor to the previous screen, likely the **Doctor's Appointment List**.

#### 5.2.19 Screen "Vet - View Schedule"

The screenshot shows the PetCareUS mobile application interface for a veterinarian. At the top, there is a navigation bar with a paw print icon and the text "PetCareUS". To the right of the logo are the roles "VETERINARIAN" and "@vet\_name", followed by a user profile icon and a dropdown arrow. On the left side, there are two buttons: "SCHEDULE" (highlighted in blue) and "APPOINTMENT". The main content area is a calendar titled "CALENDAR" for "November - 2025". The days of the week are listed as Mon, Tue, Wed, Thu, Fri, Sat, Sun. Below the days, there is a large empty space where appointments would be listed. At the bottom of the calendar view, there are navigation buttons for "Previous" and "Next".

**5.2.20 Screen “Vet - Set time”**

The image shows a wireframe of a mobile application screen. At the top, there is a title bar with the text "SET YOUR TIME" in bold capital letters. To the right of the title is a red circular button containing a white "X". Below the title bar, there are two input fields: one for "DATE" and one for "TIME". The "DATE" field is a single horizontal input field. The "TIME" field is split into two parts: "From" and "To", each with its own horizontal input field. At the bottom of the screen is a blue-outlined rectangular button labeled "SUBMIT".

**5.2.21 Screen “Vet - Add pet”**

CREATE NEW PET 

PET NAME:

SEX:

SPECIES:

YEAR OF BIRTH:

WEIGHT:

**5.2.22 Screen “Vet - Vet’s information”**VETERINARIAN  
@vet\_name

@veterinian\_name

MY PROFILE**PROFILE**

FULL NAME

ROLE

EMAIL

PHONE

ADDRESS

**Update**

**5.2.23 Screen “Vet - Add prescription”**

The wireframe shows a user interface for adding a prescription. At the top center is the title "PRESCRIPTION". In the top right corner is a red circular button with a white "X" icon. Below the title is a search bar with the placeholder "SEARCH..." and a magnifying glass icon. On the left side, there is a large rectangular input field labeled "MEDICINE". To the right of the search bar, there is a smaller rectangular input field. Below these fields are two labels: "SYMPTION" on the left and "DIANOSIS" on the right, each associated with a rectangular input field. At the bottom left is a large rectangular input field labeled "INSTRUCTION". At the bottom right is a green rectangular button with the word "SAVE" in white capital letters.

**5.2.24 Screen “Admin - User management”**

PetCareUS

ADMIN  
@ad\_name

USER

EMPLOYEE

MEDICINE

APPOINTMENT

SERVICE

STATISTICAL

SEARCH...

USER

ID	Name	Email	Phone	Action

1 2 3 4 5 >

**5.2.25 Screen “Admin - Profile”**

ADMIN  
@ad\_name  ▾



@admin\_name

MY PROFILE

**PROFILE**

FULL NAME

ROLE

Admin

EMAIL

PHONE

ADDRESS

**Update**

**5.2.26 Screen “Admin - User profile”**

**USER PROFILE**

(X)

ID	FULL NAME
<input type="text"/>	<input type="text"/>
EMAIL	PHONE
<input type="text"/>	<input type="text"/>
ADDRESS	
<input type="text"/>	
<b>Delete</b> <b>Update</b>	

**5.2.27 Screen “Admin - Employee management”**

The screenshot shows the PetCareUS application interface. At the top left is the logo "PetCareUS". On the top right, there is a user profile icon labeled "ADMIN" and "@ad\_name". Below the header, a sidebar on the left contains icons for "USER", "EMPLOYEE" (which is highlighted in blue), "MEDICINE", "APPOINTMENT", "SERVICE", and "STATISTICAL". The main content area is titled "EMPLOYEE". It features a search bar with the placeholder "SEARCH...", a "Filter" button, and a "+ New" button. A table below has columns for "ID", "Name", "Phone", "Role", and "Action". At the bottom of the table area are page navigation buttons numbered 1 through 5, followed by a right-pointing arrow.

**5.2.28 Screen “Admin - Add New Employee”**

NEW EMPLOYEE 

EMAIL

NAME

PHONE  ROLE 

**5.2.29 Screen “Admin - Employee project”**

**EMPLOYEE PROFILE**

(X)

ID	FULL NAME
<input type="text"/>	<input type="text"/>
EMAIL	PHONE
<input type="text"/>	<input type="text"/>
ADDRESS	
<input type="text"/>	
<b>Delete</b> <b>Update</b>	

**5.2.30 Screen “Admin – Medicine List”**

The screenshot shows the PetCareUS application interface. On the left, a sidebar lists navigation options: USER, EMPLOYEE, MEDICINE (which is highlighted with a blue rounded rectangle), APPOINTMENT, SERVICE, and STATISTICAL. The main content area is titled "MEDICINE". It features a search bar with a placeholder "SEARCH..." and a magnifying glass icon. A green button labeled "+ New" is located in the top right corner of the main table area. The table has columns for ID, Name, Form, Category, and Action. At the bottom of the table, there are page navigation buttons numbered 1 through 5, followed by a right-pointing arrow.

**5.2.31 Screen “Admin – Add New Medicine”**

NEW MEDICINE 

NAME

FORM  CATEGORY

DESCRIPTION

SUBMIT

**5.2.32 Screen “Admin – View Medicine Detail”**

**MEDICINE**

(X)

ID	NAME
<input type="text"/>	<input type="text"/>
FORM	CATEGORY
<input type="text"/>	<input type="text"/>
DESCRIPTION	
<input type="text"/>	
<b>Delete</b> <b>Update</b>	

**5.2.33 Screen “Admin – Service List”**

The screenshot shows the PetCareUS application interface. At the top left is the logo "PetCareUS". On the top right, there is a user profile icon labeled "ADMIN @ad\_name". Below the header, a sidebar on the left lists navigation options: "USER", "EMPLOYEE", "MEDICINE", "APPOINTMENT", "SERVICE" (which is highlighted with a blue rounded rectangle), and "STATISTICAL". The main content area is titled "SERVICE" and contains a table with columns "ID Servicece", "Name", "Price", and "Action". A search bar with placeholder text "SEARCH..." and a magnifying glass icon is positioned above the table. At the bottom of the table area are page navigation buttons numbered 1 through 5 followed by a right arrow.

ID Servicece	Name	Price	Action

**5.2.34 Screen “Admin – Add New Service”**

NEW SERVICE ×

NAME

PRICE

DESCRIPTION

SUBMIT

This is a wireframe diagram of a user interface for adding a new service. The title 'NEW SERVICE' is centered at the top, with a red circular close button to its right. Below the title are three input fields: 'NAME', 'PRICE', and 'DESCRIPTION', each enclosed in a rounded rectangle. At the bottom of the form is a blue-outlined 'SUBMIT' button.

**5.2.35 Screen “Admin – View Service Detail”**

**SERVICE**

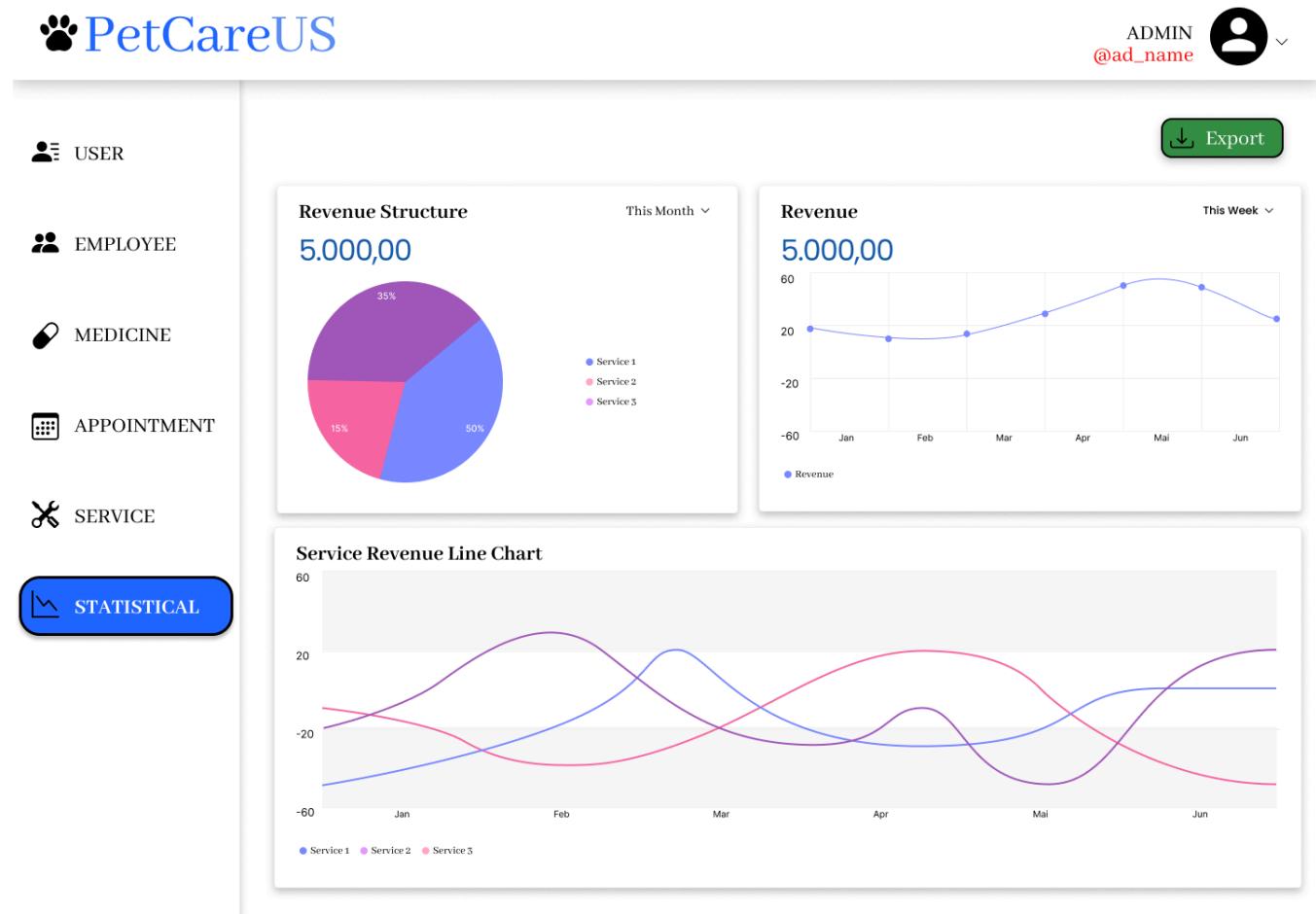
(X)

ID	NAME	PRICE
<input type="text"/>	<input type="text"/>	<input type="text"/>

DESCRIPTION

Delete Update

### 5.2.36 Screen “Admin – Statistical Dashboard”



**5.2.37 Screen “Change Password”**

The diagram illustrates a user interface for changing a password. It features a title bar with the text "CHANGE PASSWORD" and a red "X" icon. Below the title bar are three input fields: "Enter your old password", "Enter your new password", and "Confirm your new password". A "SUBMIT" button is located at the bottom center.

**5.2.38 Screen “Reset Password”**