

ANIMAL CLINIC

**Project Document Submitted by
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Software Engineering Panel**

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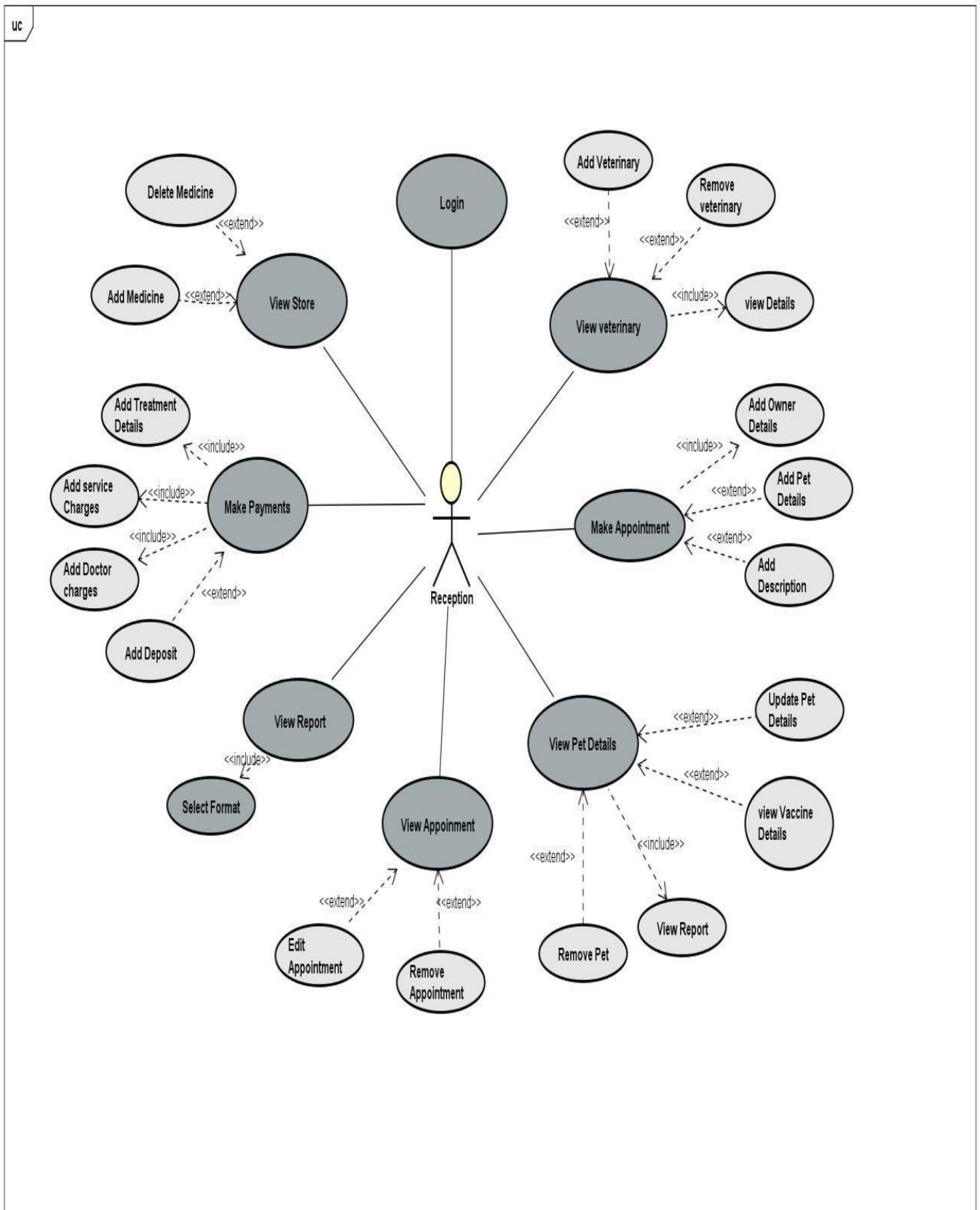


2017

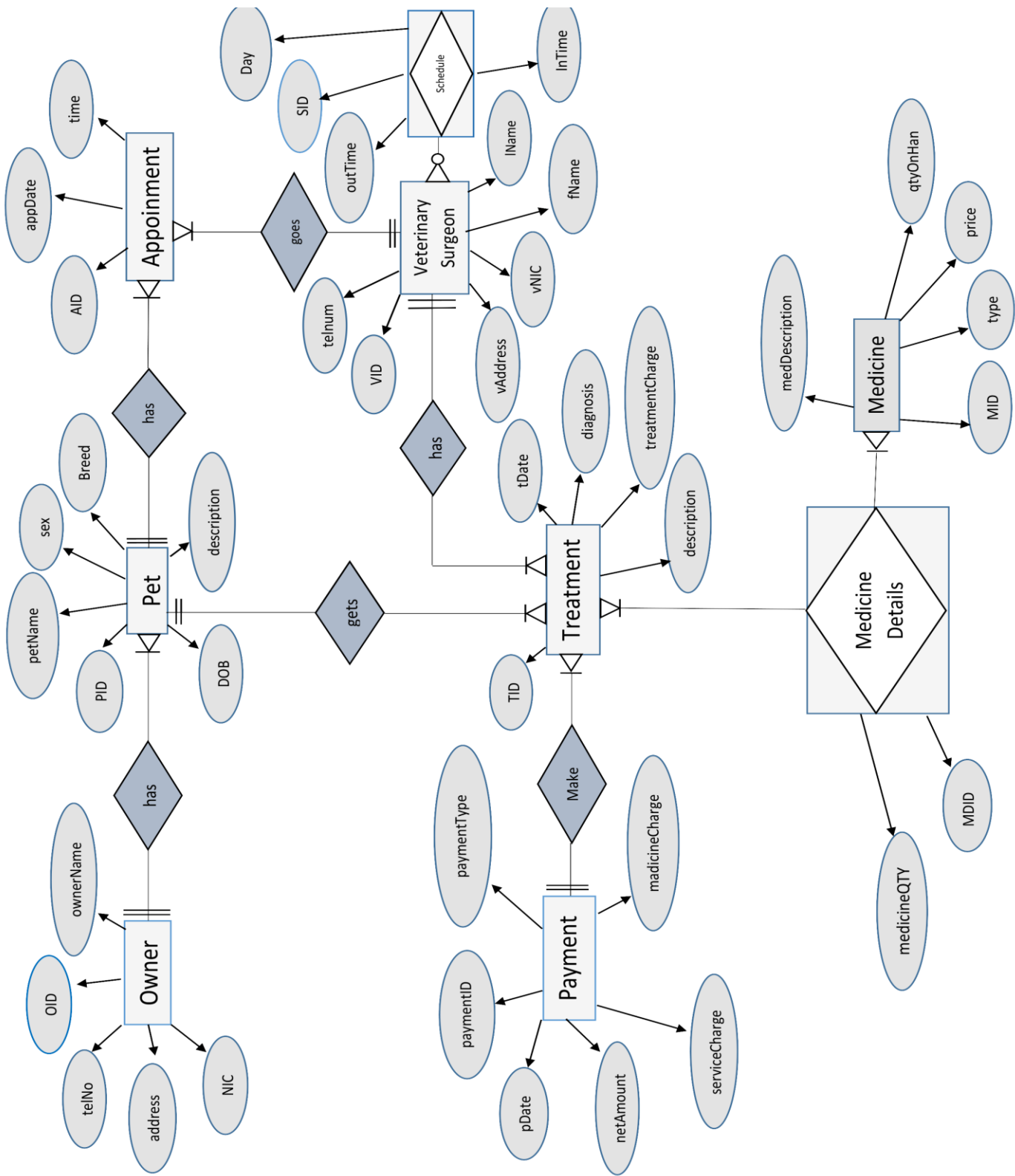
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3. Logical schema of above ERD
4. All user interfaces and explain each interface
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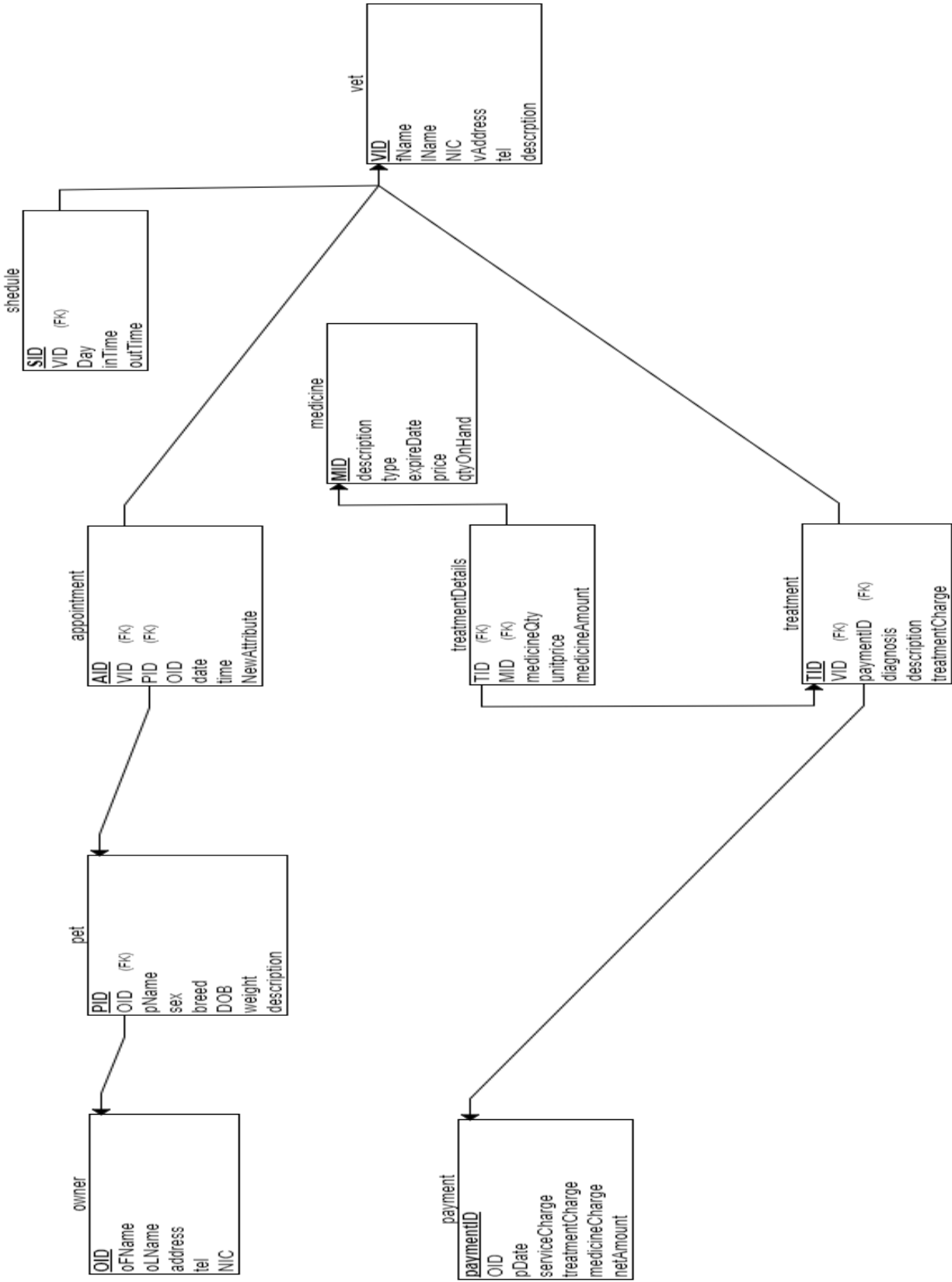
1. Complete use case diagram



2. Entity Relationship Diagram (ERD)

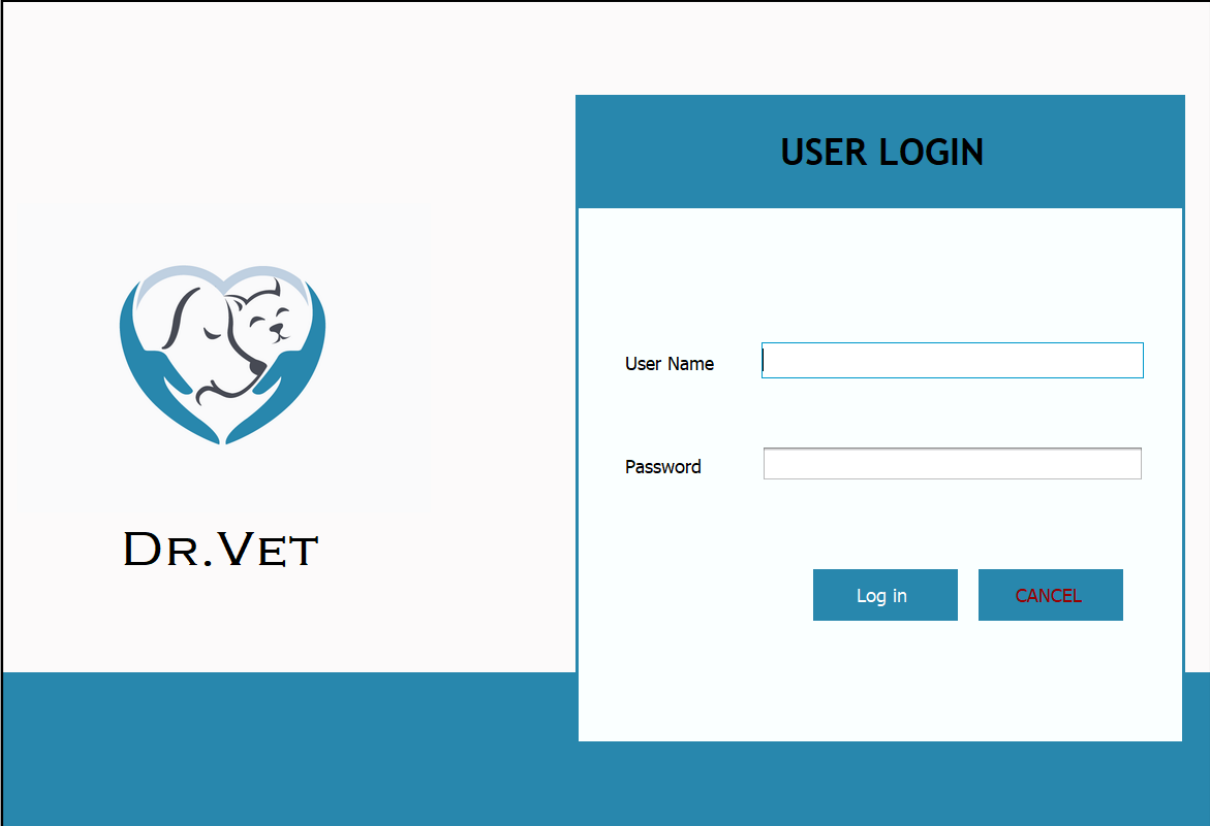


3. Logical schema of above ERD



4. Interfaces

4.1 Login Interface



The image displays a web interface for a system named "DR.VET". On the left side, there is a logo featuring two stylized animal heads (a dog and a cat) facing each other within a heart shape, with the text "DR.VET" below it. On the right side, there is a "USER LOGIN" form. The form has a blue header with the text "USER LOGIN". Below the header, there are two input fields: "User Name" and "Password". At the bottom of the form, there are two buttons: "Log in" and "CANCEL".

DR.VET

USER LOGIN

User Name

Password

Log in CANCEL

This System is handle by users. Before Login to the system user must input valid user name and password to access. If unknown user tries to access the system by using an invalid password or an invalid user name then their displays an error message and cannot login to the system.

4.2 Appointment

There are two Interfaces to manage Appointment data.

4.2.1 Add Appointment

DR.VET

Appointment Pet Payment Veterinary Medicine Reports

Add Appointment

View Appointment

Appointment

App.ID - A004 Date - Time - HH:MM

Vet.ID - V001 Vet Name - Kamal perera View Available Vet

Owner Details

Owner ID - 0001 NIC - 961451337v

Name - chamindu senanayake Tel.No - 0766819793 Edit Owner

Address - galle + New Owner

pet Details

Pet ID - P001 Sex - Female

Name - bruuna Breed - pomanarian

D.O.B - 2012-05-02 weight - 20 KG Edit pet

Description - all vaccines are injects before 2017-08-13 + New Pet

ADD APPOINTMENT CANCEL

This user interface leads the way to Add Appointment and also there are some data validating features.

If user wants; user can edit some data of owner and pet

When user click the save button if there are some empty text fields or the user had filled text fields incorrectly the foreground of the text fields will be Red colour.

4.2.1.1 Add New Owner

The screenshot shows the DR.VET web application interface. At the top, there is a navigation bar with the DR.VET logo and a user profile icon labeled 'ADMIN'. Below the navigation bar is a horizontal menu with icons and labels for 'Appointment', 'Pet', 'Payment', 'Veterinary', 'Medicine', and 'Reports'. The 'Appointment' section is active, and a sidebar on the left contains 'Add Appointment' and 'View Appointment' options. The main content area displays the 'Add New Owner' modal form. This form includes fields for 'Owner ID' (0005), 'NIC', 'Tel.No', 'Name' (split into 'First Name' and 'Last Name'), and 'Address'. To the right of the form are buttons for 'View Available Vet', 'Edit Owner', and '+ New Owner'. Below the main form, there is a section for adding a new pet, with fields for 'Pet ID' (P001), 'Sex' (Female), 'Name' (bruuna), 'Breed' (pomanarian), 'D.O.B' (2012-05-02), 'weight' (20 KG), and 'Description' (all vaccines are injects before 2017-08-13). Buttons for 'Edit pet' and '+ New Pet' are located to the right of this section. At the bottom right, there are 'ADD APPOINTMENT' and 'CANCEL' buttons.


If user wants to add new owner while making an appointment, “new owner” button generate a new window for add new.


4.2.1.2 Add New Pet


The screenshot shows the DR.VET web application interface, similar to the previous one. The 'Add New Pet' modal form is displayed. It includes fields for 'Pet ID' (P002), 'Owner ID' (0001), 'NIC' (961451337v), 'Name', 'Sex' (Male), 'Breed', 'D.O.B', 'weight' (20 KG), and 'Description'. To the right of the form are buttons for 'View Available Vet', 'Edit Owner', and '+ New Owner'. Below the main form, there is a section for adding a new pet, with fields for 'D.O.B' (2012-05-02), 'weight' (20 KG), and 'Description' (all vaccines are injects before 2017-08-13). Buttons for 'Edit pet' and '+ New Pet' are located to the right of this section. At the bottom right, there are 'ADD APPOINTMENT' and 'CANCEL' buttons.


If user wants to add new pet while making an appointment, “new pet” button generate new window for add new.


4.2.2 View Appointment


 DR.VET


 Appointment


 Pet


 Payment

 Veterinary

 Medicine


 Reports



 ADMIN

Add Appointment

View Appointment



Search Date

Appointment ID	Owner Name	Pet Name	Veterinary Name	Date	Time
A001	chamindu senanayake	bruuna	Kamal perera	2017-08-13	13:00
A002	chamindu senanayake	bruuna	Kamal perera	2017-09-25	12:30

App.ID - A001

Date - Sun 08/13/2017

Time - 13:00

Vet.ID - V001

Vet Name - Kamal perera

Owner ID - O001

O.Name - chamindu senanayake

Pet ID - P001

pet Name - bruuna

Edit

Remove

This has information of every appointments. In this Interface user can find appointments by using date and user can edit or remove appointments.

4.3 Payment

There are 3 Interfaces to manage payment data.

4.3.1 Add pet Treatment

The screenshot shows the DR.VET web application interface. At the top, there is a navigation bar with icons for Appointment, Pet, Payment, Veterinary, Medicine, and Reports. The Payment section is currently active. Below the navigation bar, there is a sidebar on the left with options: Add Pet Treatment, Make Payment, and View Payment. The main content area is titled 'Add Treatment Details' and contains several form fields: Payment ID (C006), Date (2017-09-01), Owner ID (O001), NIC (961451337v), Pet ID (P001), Treatment ID (T006), Veterinary ID (V001), Veterinary Name (Kamal), Diagnosis, and Treatment Charge (LKR). There are also two tables for adding treatments and medicines. The first table has columns for TID, Pet ID, Vet ID, Diagnosis, Description, and Treatment charge. The second table has columns for Medicine ID, Medicine desc., unit price, Qty, and Amount. At the bottom right, there are buttons for 'Save Treatment' and 'Make Payment'.

DR.VET

Appointment Pet **Payment** Veterinary Medicine Reports

Add Pet Treatment

Make Payment

View Payment

Add Treatment Details

Payment ID - C006 Date - 2017-09-01

Owner ID - O001 NIC - 961451337v Pet ID - P001

Treatment ID - T006 Veterinary ID - V001 Veterinary Name - Kamal

Diagnosis - Treatment Charge - LKR

Treatment Description -

TID	Pet ID	Vet ID	Diagnosis	Description	Treatment charge
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Amount -

Medicine Type- Injection Medicine ID -

Medicine Desc. - Medicine Price - Medicine Qty - QtyOnHand -

Medicine ID	Medicine desc.	unit price	Qty	Amount
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Amount -

Save Treatment Make Payment

One payment can have one or more treatments and one treatment can have many medicines. User can be added those all treatment details by using this interface.

4.3.2 Make payment

The screenshot shows the 'DR.VET' application interface. The top navigation bar includes 'Appointment', 'Pet', 'Payment' (selected), 'Veterinary', 'Medicine', and 'Reports'. On the left sidebar, there are buttons for 'Add Pet Treatment', 'Make Payment' (selected), and 'View Payment'. The main content area is titled 'Payment' and contains a form with the following fields: 'Payment.ID' (C006), 'Owner.ID' (O001), 'Owner Name' (chamindu senanayake), 'Payment Date' (2017-09-01), 'Service Charge', 'Treatment Charge', 'Medicine Charge', 'Net Amount', 'Paid Amount', and 'Blance'. There are yellow document icons next to the 'Treatment Charge' and 'Medicine Charge' fields. At the bottom right, there are 'Save' and 'Print' buttons.

This interface can add payment details.
User can get treatment and all medicine detail reports by using yellow buttons.

4.3.3 View payment

The screenshot shows the 'DR.VET' application interface in 'View Payment' mode. The top navigation bar is the same as in the previous screenshot. The left sidebar now has 'View Payment' selected. The main content area displays a table with payment details. Below the table, there is a 'pay.ID' field with the value 'C001' and a 'Remove' button.

Payment Id	Date	Owner ID	Owner Name	Service Charge	Treatment Charge	Medicine Charge	Net Amount
C001	2017-08-13	O001	chamindu	1000.0	300.0	2300.0	3600.0

pay.ID - C001

Remove

This interface is able to view and remove payment details.

4.4 Pet

There are 3 Interfaces to manage pet details.

4.4.1 View owner details

DR.VET

Appointment Pet Payment Veterinary Medicine Reports

View Owner Details

Owner Details

Owner ID	First Name	Last Name	Telephone Number	NIC	Address
O001	chamindu	senanayake	0766819793	961451337v	galle
O002	sachinda	nipun	0761231212	961871291v	benthara
O003	lahru	Godakanda	0772050642	952340301v	mapalagama,galle

Owner ID - Name -
Tel.No - NIC -
Address -

[+ New Owner](#)

[Edit](#) [Remove](#)

User must add an owner before adding pet. Therefore owner details should be include in pet details. This interface is using for add, edit and remove owners.

4.4.2 View pet details

DR.VET

Appointment Pet Payment Veterinary Medicine Reports

View Owner Details

View Pet Details

Pet Details

Owner ID - NIC -

Pet ID	Pet Name	Date of Birth	Sex	Breed	Weight	Description
P001	bruuna	2012-05-02	Female	pomanarian	20.0	all vaccines are injects before 2017-08-13

Pet ID - Sex -
Name - Breed -
DOB - weight - KG
Description -

[+ New Pet](#)

[Edit](#) [Remove](#)

User can view pets by using owner id or NIC and remove or edit

4.4.3 View pet details

DR.VET

Appointment Pet Payment Veterinary Medicine Reports

View Owner Details

View Pet Details

View Pet Treatment

Payment ID - C001

TID	Pet ID	Vet ID	Dagnosis	Description	Treatment charge
T001	P001	V001	pet suffering from hurt	inject vaccine	300.0

Edit Remove

Medicine ID	Medicine desc.	unit price	Qty	Amount
M001	Inject for pain relief	2300.0	1	2300.0

Edit

Users are able to view all treatment details by using “payment id”.

When user input payment id; all treatment details of corresponding payment id will be included in first table.

If you click a row of treatment table; then all medicine details of selected treatment will be included in second table.

All tables are editable. After editing you should click the edit button then the process will be done.

4.5 Veterinary

There are 2 Interfaces to manage veterinary details.

4.5.1 View veterinary details

The screenshot shows the DR.VET web application interface. At the top, there's a logo and the text "DR.VET". To the right are icons for settings and a user profile labeled "ADMIN". Below this is a navigation bar with buttons for "Appointment", "Pet", "Payment", "Veterinary", "Medicine", and "Reports". The "Veterinary" button is highlighted. On the left side, there's a sidebar with "View Veterinary" and "View Schedule" options. The main content area displays a table of veterinary records:

VetID	First Name	Last Name	NIC	Tel.No	Address	Description
V001	Kamal	perera	961456456v	0766786767	karapitya, galle	BVSc(Hons)
V002	nimal	amaraweera	951456456v	0765675656	galle	mibbs(karapitya)

Below the table, there's a form to view details for VetID "V001". The form fields are:

- Vet Name: Kamal perera
- NIC: 0766786767
- Tel.No: 961456456v
- Address: karapitya, galle
- Description: BVSc(Hons)

At the bottom of the form, there's a "+ New Veterinary" button and "Edit" and "Remove" buttons.

This user interface is using for add, edit remove and view veterinary surgeon.
When user clicks new veterinary button; opening a new window for add a veterinary.

4.5.2 View veterinary schedule details

The screenshot shows the DR.VET web application interface for viewing veterinary schedule details. The layout is similar to the previous screenshot, but the "View Schedule" option is selected in the sidebar. The main content area displays a table of veterinary schedules:

Schedule ID	Veterinary First Name	Last Name	Day	In Time	Out Time
S001	Kamal	perera	SunDay	12:00	17:30


Below the table, there's a form to view details for Schedule ID "S001". The form fields are:



- Schedule ID: S001
- Day: SunDay
- Vet Name: Kamal perera
- In Time: 12:00
- Out Time: 17:30

At the bottom of the form, there's a "+ New Schedule" button and "Edit" and "Remove" buttons.

Using this interface for add, edit, remove and view Schedules of veterinary.

4.6 medicine

 DR.VET

 ADMIN

Appointment

Pet


Payment

Veterinary

Medicine

Reports

View Medicine



MID	Medicine Description	Type	Exp.Date	Price	QtyOnHand
M001	Amantadine; it helps block pain. Dogs may	Injection	2017-09-30	1000.0	23

Edit Medicine Details

Medicine ID

-

M001

▼

Medicine desc.

-

Amantadine; it helps block pain. Dogs may get it to treat aches from arthritis, disk disease.

Type

-

Injection

▼

Exp.Date

-

Sat 09/30/2017

▼

Price

-

1000.0

QtyOnHand

-

23

+

New Medicine

Edit

Remove

Also the medicine interface can edit, remove, view details of medicine.

When user select a row of table; the detail of selected row will be filled in below text fields.

User can add new medicine by clicking “new medicine” button.

4.7 reports

The screenshot shows the 'DR.VET' web application interface. At the top, there is a navigation bar with icons and labels for 'Appointment', 'Pet', 'Payment', 'Veterinary', 'Medicine', and 'Reports'. The 'Reports' section is currently active. On the left side of the 'Reports' section, there is a sidebar with 'Add Appointment' and 'View Appointment' buttons, and a large blue icon of a person with a dog. The main content area of the 'Reports' section contains four panels, each with input fields and buttons:

- Owner NIC Panel:** An input field for 'Owner NIC' and two buttons: 'Get Owner Report' and 'Get Pet Details'.
- Date Panel:** A date selection field and two buttons: 'Search Expire Items' and 'View All Medicines'.
- Payment ID Panel:** An input field for 'Payment ID' and two buttons: 'Get Payment Details' and 'Get treatment Details'.
- Veterinary Panel:** Input fields for 'Veterinary NIC' and 'Veterinary tel.NO', and two buttons: 'Get Veterinary Schedule' and 'Get All Veterinary'.

Input NIC of an owner and select relevant button to get full reports of owner or pet.

Select date and click “search expire Items” to view report of expiring medicines in relevant day.

Select “View all medicine” button to get report of all medicine Details.

Input a payment id and select button for get report of payment and treatment.

Input veterinary id or telephone number and select “get Veterinary schedule” button to get all schedule of corresponding veterinary.

If user click the “get All veterinary “ button then report of all Veterinary surgeon details will be displayed.

5. Security features of the software

1. User Name & Password
2. Validation

