

Zoo Management

Introduction:

Entertainment is a part of everyone's life. From children to old age people, the most loving entertainment is the zoo. Zoo is a place where we can see a lot of animals. Zoo is a house for many animals where they are taken care of by the guardian. If we want to visit a zoo we need to buy entry tickets. To book a ticket online we are designing a website. Through our website guardians can consult the doctor for advice regarding animal health if necessary along with ticket booking.

Description:

Our website consists of four modules namely-Administrator, Guardian, Doctor, Customer. The administrator gets login with the default credentilas. The administrator adds the guardians for taking care of animals. The administrator can view the guardians. The administrator adds the doctor for checking the health condition of the animal on the basis of guardian request. The administrator can view the doctors. The administrator adds the animals in the zoo to attract customers. The adminstrator assigns a guardian for every animal. Guardian gets login to the website. Guardian views the assigned animals. The Guardian makes a diet plan for the animals. Guardian adds the food diet that is followed for the animals. The guardian can view the diet plan. The administrator can view the diet of the animals that is followed. If any animal is suffering from a disease the guardian can make a request to the doctor. The guardian can view the request. The doctor gets logged into the website. The doctor can view the guardian request. Doctor accepts the request and gets ready for the treatment. Doctor checks the condition of the animal and gives treatment regarding. The doctor views the food diet of the animal.

The administrator adds the tickets for booking of the customers. The customer gets registered to the website and gets logged in. The customers view the tickets for booking. The customers can book the ticket by making payment. There will be a difference in fare depending on age and nationality. While booking the tickets the

customers should mention the details of visitors. The administrator can view the booking.

Database Description:

In this application we have four modules Admin, Guardian, Doctor, Customer.the admin can add the guardians , animals, doctors and also the admin view the bookings that bookings are stored in the database. The Guardian adds the food diet for animals. Doctor can give the treatment. The customer can book the ticket to view the animals. So that the entire data will be stored in the database.

Functional Requirements:

- Admin will login with default credentials.
- Admin add the guardian
- Admin View the guardian
- Admin add the animals and assign guardian
- Admin view the animals
- Admin add the Doctors
- Admin view the Doctors
- Admin add the Tickets
- Admin view the Tickets
- Admin view the food diet
- Admin view the bookings
- Guardian will login with registered credentials.
- Guardian view assigned the animals
- Guardian add the food diet
- Guardian view the food diet
- Guardian view the bookings
- Guardian view the Doctors
- Guardian send request to the Doctors
- Guardian view the request
- Doctor will login with registered credentials.
- Doctor view the request
- Doctor view the animals
- Doctor add the treatment details

- Doctor add the treatment details
- Doctor view the treatment details
- Doctor view the food diet
- Customers will login with registered credentials.
- Customer view the animals
- Customer view the Tickets
- Customer book the tickets
- Customer mention visitors details
- Customer view the bookings

Modules:

Admin:

- Admin will login with default credentials.
- Admin add the guardian
- Admin View the guardian
- Admin add the animals and assign guardian
- Admin view the animals
- Admin add the Doctors
- Admin view the Doctors
- Admin add the Tickets
- Admin view the Tickets
- Admin view the food diet
- Admin view the bookings

Guardian:

- Guardian will login with registered credentials.
- Guardian view assigned the animals
- Guardian add the food diet
- Guardian view the food diet
- Guardian view the bookings
- Guardian view the Doctors
- Guardian send request to the Doctors
- Guardian view the request

Doctor:

- Doctor will login with registered credentials.
- Doctor view the request
- Doctor add the treatment details
- Doctor add the treatment details
- Doctor view the treatment details
- Doctor view the food diet

Customer:

- Customers will login with registered credentials.
- Customer view the Tickets
- Customer book the tickets
- Customer mention visitors details
- Customer view the bookings

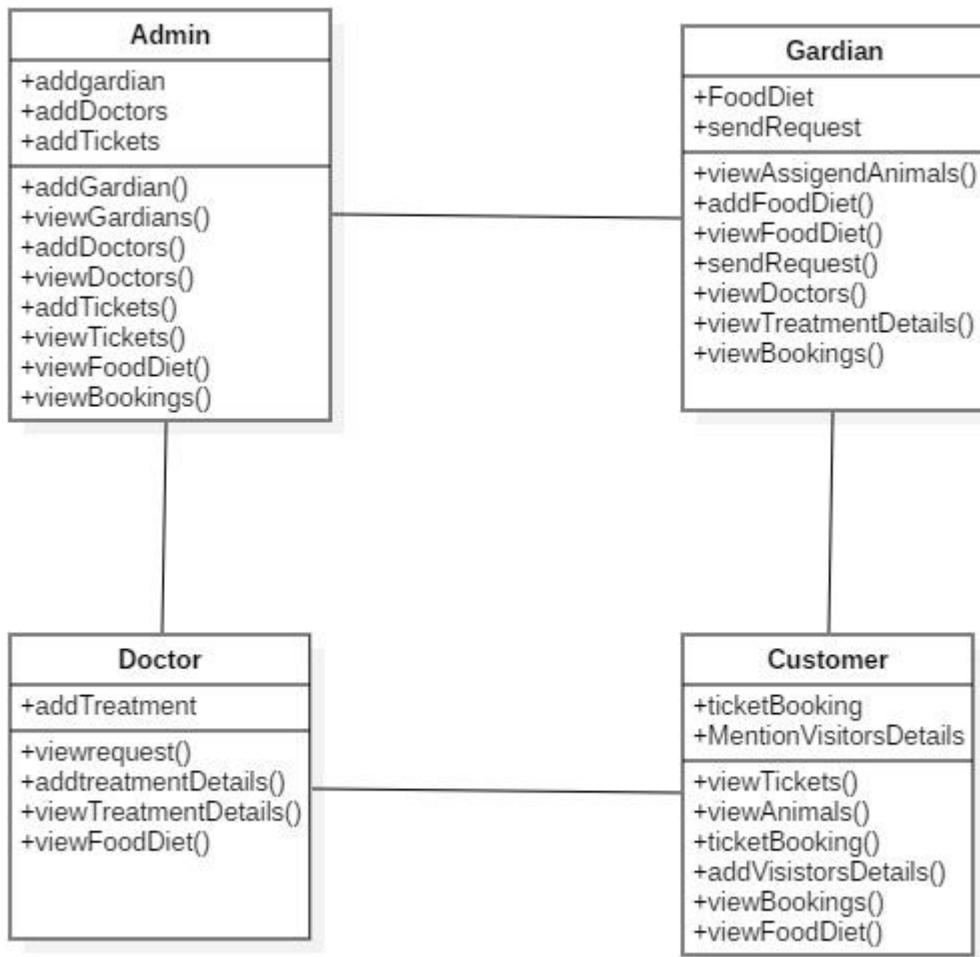
Architecture:



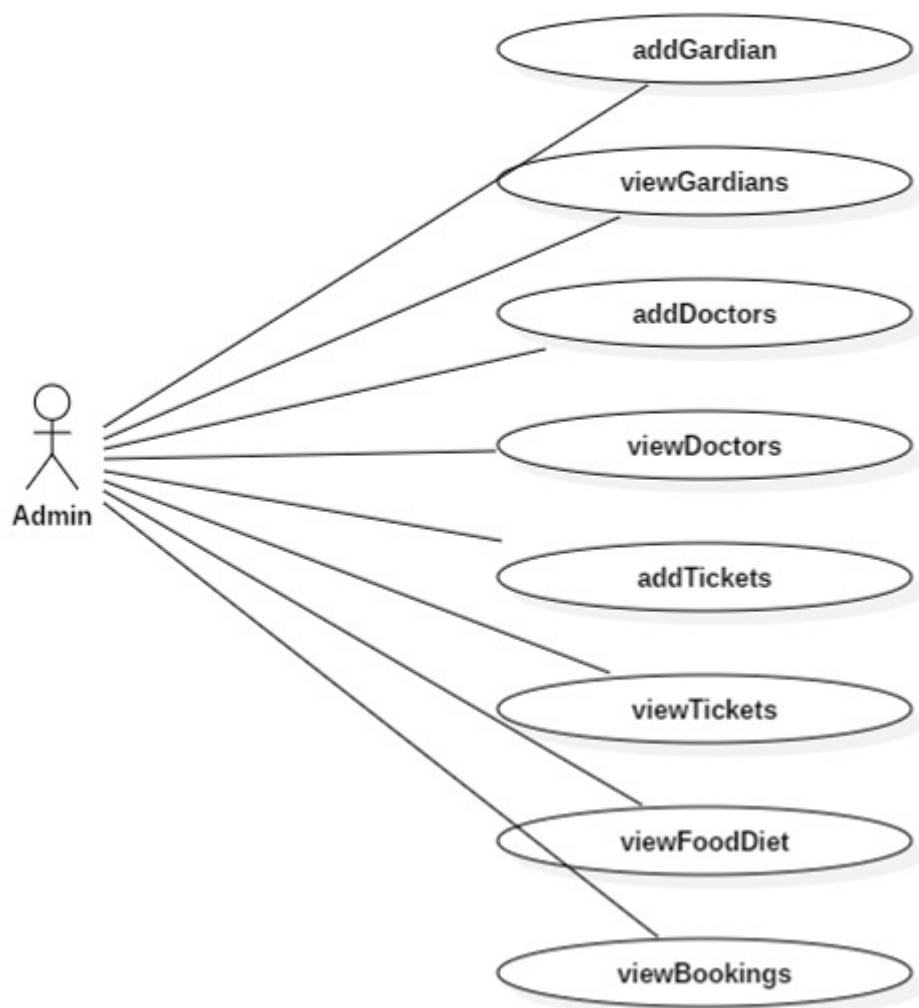
Technologies:

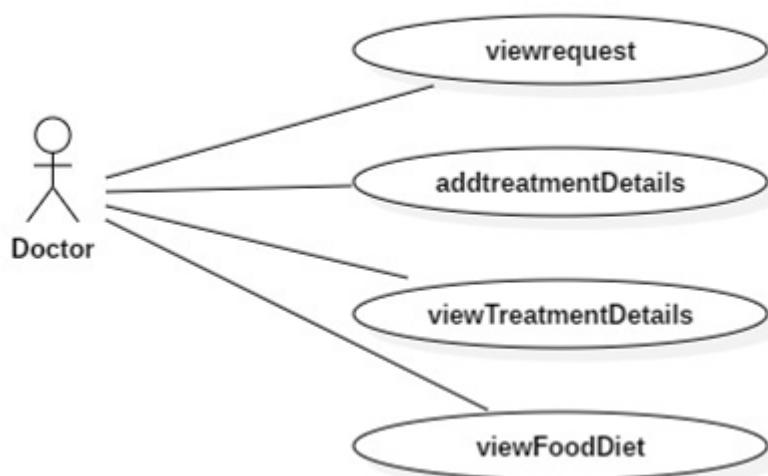
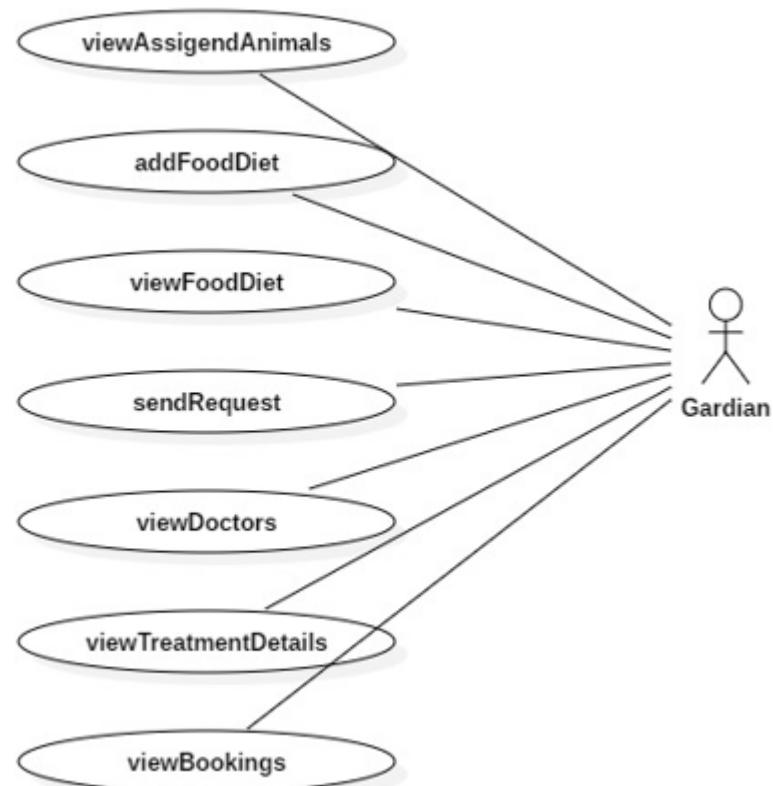
Programming Languages	:	Java
Database IDE	:	MySQL workbench
Database server	:	MySQL
Framework	:	SpringBoot
IDE	:	Eclipse
UI	:	React JS, HTML, CSS, Bootstrap, Javascript

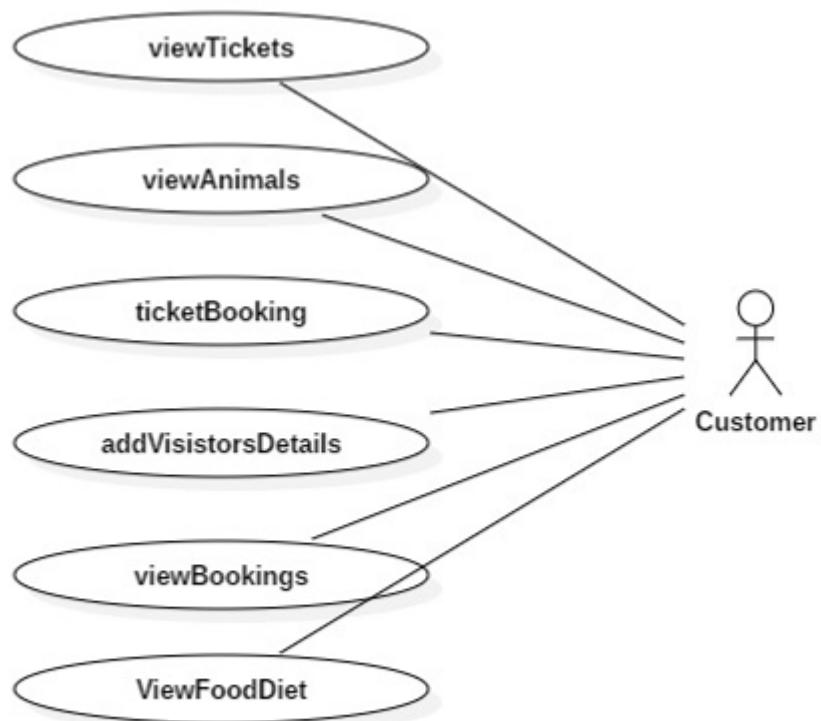
Class Diagram:



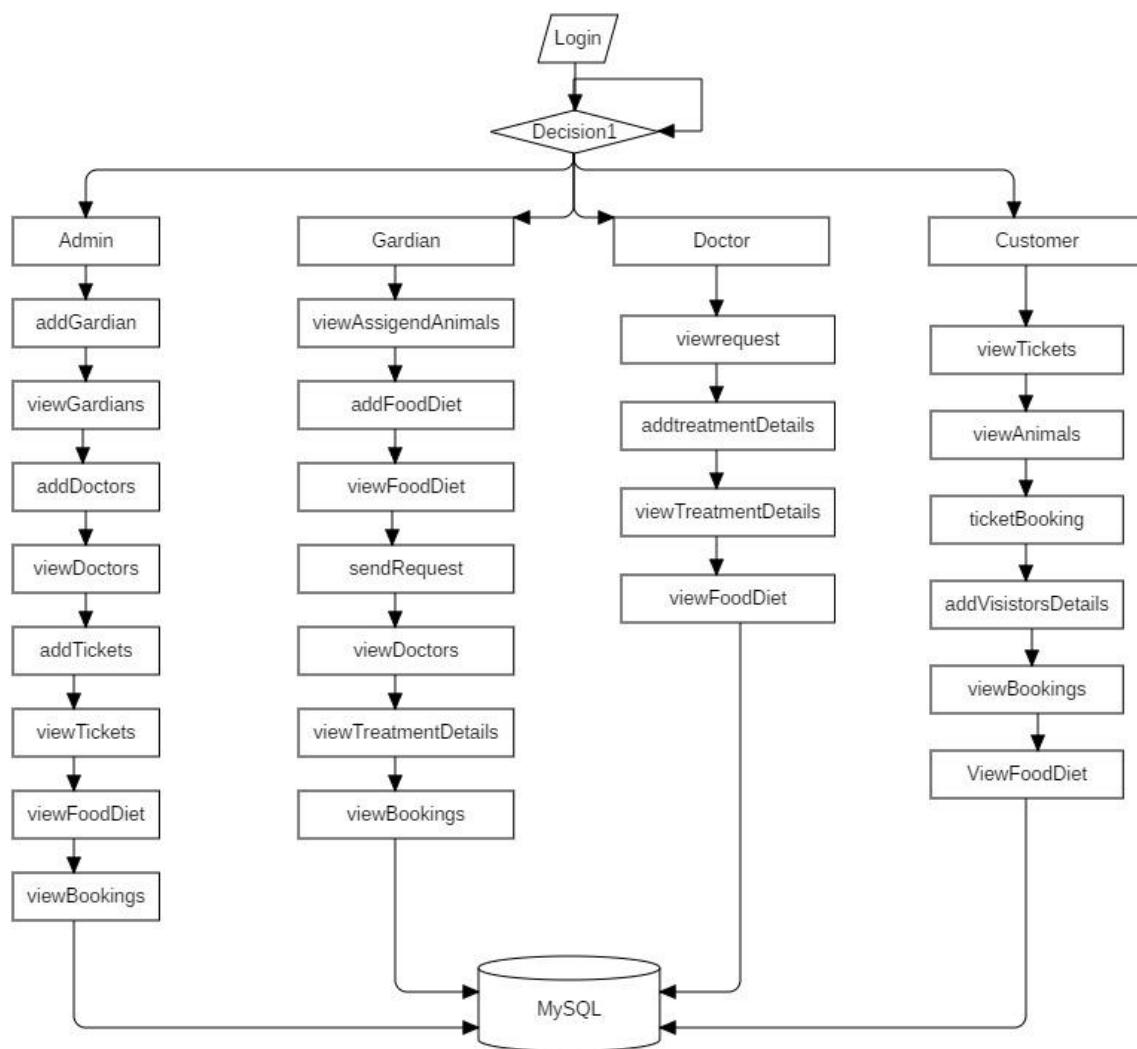
Use case Diagram:







Flow Diagram:



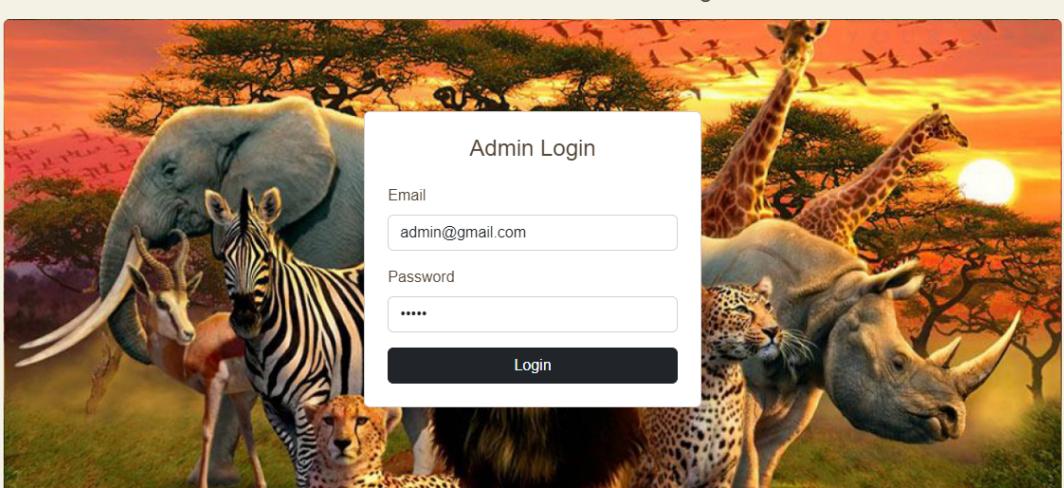
Snippets:

HomePage:

Welcome Zoo Management System



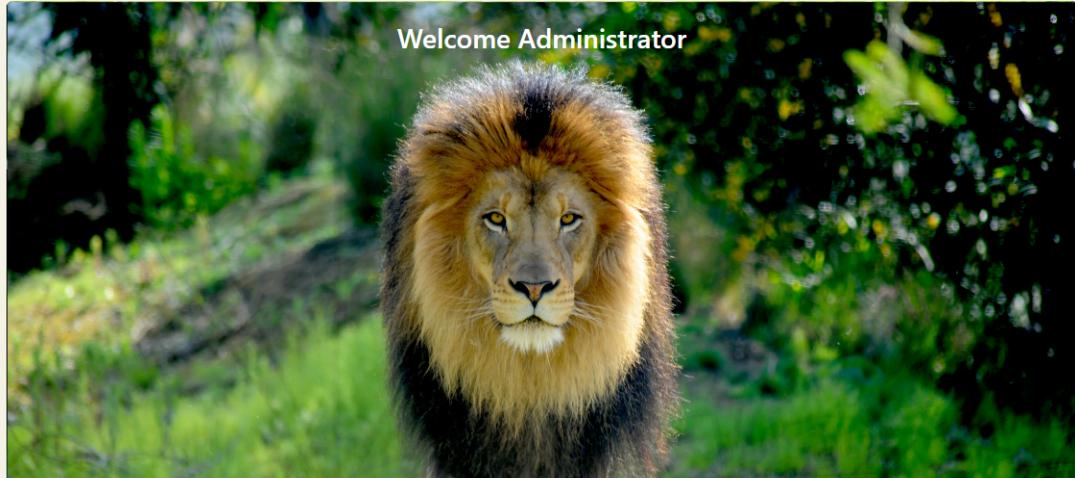
Admin Login:



In this page admin can login with default credentials like username as admin and password as admin. Enter the username and password and click on the login button then the admin home page will be open. If the entered credentials are not matched to the stored database details then the message will be displayed like invalid details.

Admin HomePage:

Home Guardians Animals Doctors Tickets Logout



Add Guardian:

Home Guardians Animals Doctors Tickets Logout

Add New Guardian

Name	Phone
<input type="text" value="Enter Name"/>	<input type="text" value="Enter Phone Number"/>
Email	Password
<input type="text" value="Enter Email"/>	<input type="text" value="Enter Password"/>
Gender	Age
<input type="text" value="Choose Gender"/>	<input type="text" value="Enter Age"/>
About Guardian	
<input type="text" value="Enter About Gaurdian"/>	
<input type="button" value="Add Guardian"/>	

Here admin can add the guardian. Enter the guardian name ,phone, email, password,gender,age and about guardian then click on add guardian button then details will be added to the guardian table.

View Guardians:

Home	Guardians	Animals	Doctors	Tickets	Logout
Add New Guardian					
Name	Email	Phone	Gender	Age	About Guardian
suma G	sumag@gamil.com	9876543210	Female	30	am gradioan of this zoo
suma	suma@gamil.com	546387685	Female	25	frgf srgtrfx fg

Here we can view the admin added guardians. These details are stored in the database.

Add Animals:

Home	Guardians	Animals	Doctors	Tickets	Logout
Add New Animal					
Animal Name	Enter Animal Name	Animal Picture	Choose File	No file chosen	
Animal Type	Choose Animal Type	Guardian	Choose Guardian		
Age	Enter Age	Weight	Enter Weight	Choose Gender	Gender
Court Details	Enter Court Details	About Animal	Write About Animal		
Add Animal					

Here admin can add the animals. Enter the animal's name ,picture, animal type, guardian , age, weight, gender, count details, about animal then click on add animal button then details will be added to the animal table.

View Animals:

Home Guardians Animals Doctors Tickets Logout

Animal Type Guardian

Choose Animal Type Choose Guardian Add New Animal



RABBIT

Gender Female	Age 20	Weight 20 Kgs	Guardian suma G
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RABBIT KID

Gender Female	Age 10	Weight 15 Kgs	Guardian suma
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Food Diet

Here we can view the admin added animals. These data will be stored in the database.

Add Doctor:

Home Guardians Animals Doctors Tickets Logout

Add New Doctor

Name <input type="text" value="Enter Name"/>	Phone <input type="text" value="Enter Phone Number"/>	
Email <input type="text" value="Enter Email"/>	Password <input type="text" value="Enter Password"/>	
Specialization <input type="text" value="Enter Specialization"/>	Qualification <input type="text" value="Enter Qualification"/>	Experiencce <input type="text" value="Enter Experiencce"/>
About Doctor <input type="text" value="Enter About Doctor"/>		

Add Docotor

Here admin can add the Doctor. Enter the Doctor name ,phone, email, password,specification, qualification, experience and about Doctor then click on add Doctor button then details will be added to the Doctor table.

View Doctors:

Home	Guardians	Animals	Doctors	Tickets	Logout	Add New Doctor
Doctor's Details						
Name	Email	Phone	Specialization	Qualification	Experiance	About Doctor
suma D	sumad@gamil.com	7896542369	animal	mbbs	2	rgyf drgtrf tyhtg

Here we can view the admin added doctors . These data will be stored in the database.

Add Tickets:

Home	Guardians	Animals	Doctors	Tickets	Logout
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p align="center">Add Tickets</p> <p>Ticket Title <input type="text" value="Enter Ticket Title"/></p> <p>Available Count Per Day <input type="text" value="Enter Available Tickets per Day"/></p> <p>Price for Adults <input type="text" value="Enter Price for Adults"/></p> <p>Price for Children's <input type="text" value="Enter Price for Children's"/></p> <p>Description <input type="text" value="Enter Ticket Description"/></p> <p align="center">Add Tickets</p> </div>					

Here admin can add the Tickets. Enter the ticket title, available count per day, price per adult, price per childrens,description then click on add tickets button then details will be added to the tickets table.

View Tickets:

Home Guardians Animals Doctors Tickets Logout

[Add Tickets](#)

Tickets Details

animals

Total Tickets	Adults	Childern's
3	\$ 5	\$ 3

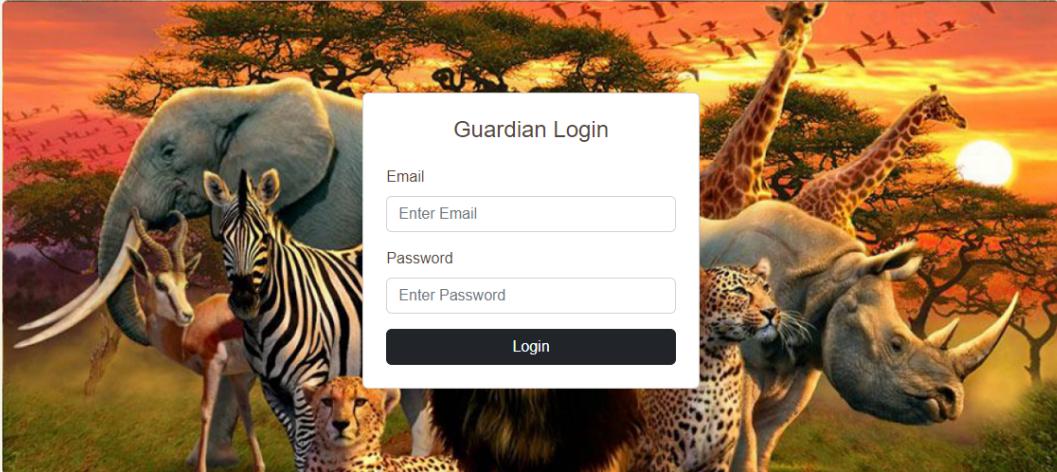
Ticket Details
srfifgjgjyjh

[View Bookings](#)

Here we can view the added ticket details. These details are stored in database.

Guardian Login:

Home Admin Guardian Doctor Customer Customer Registration



Guardian Login

Email

Password

Login

In this page guardians can login with registered credentials like email and password. Enter the email and password and click on the login button then the guardian home page will be open. If the entered credentials are not matched to the stored database details then the message will be displayed like invalid details.

Guardian HomePage:

[Home \(Guardian\)](#) [Animals](#) [Doctors](#) [Logout](#)

WELCOME SUMA

Your Profile

Name
suma

Email
suma@gamil.com

Phone
546387685

Gender
Female

Age
25

About
frgf srgtrfx fg

View Assigned Animals:

[Home \(Guardian\)](#) [Animals](#) [Doctors](#) [Logout](#)

Animal Type

Choose Animal Type

Animal's Details



RABBIT KID

Gender Age Weight Guardian
Female 10 15 Kgs suma

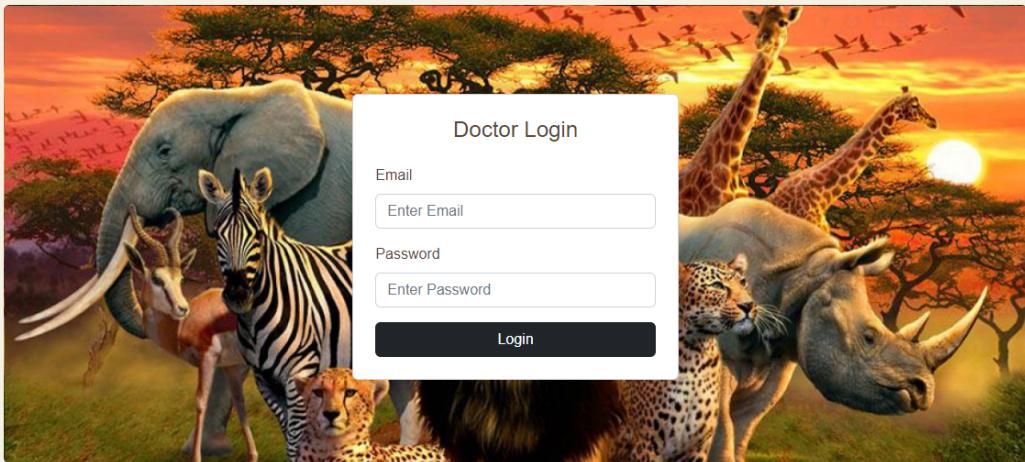
[Food Diet](#)

[Raise Doctor Request](#)

[View Doctor Request](#)

Here the guardian can view the animals assigned by the admin.

Doctor Login:



In this page doctors can login with registered credentials like email and password. Enter the email and password and click on the login button then the doctor home page will be open. If the entered credentials are not matched to the stored database details then the message will be displayed like invalid details.

Treatment details:

Home (Doctor)	Animals	View Doctor Request	View Treatment	Logout											
<table border="1"> <thead> <tr> <th>Animal</th> <th>Doctor</th> <th>Guardian</th> </tr> </thead> <tbody> <tr> <td> Animal Name: Rabbit kid Animal Type: Mammals <small>Gender:</small> </td> <td> Doctor Name: suma D Phone: 7896542369 Email: sumad@gmail.com Specialization: </td> <td> Guardian Name: suma Phone: 546387685 Email: suma@gmail.com Gender: </td> </tr> <tr> <td colspan="3"> <small>Requested Date: Tue Mar 28 15:24:20 IST 2023</small> <small>Treatment Date: Tue Mar 28 15:26:07 IST 2023</small> <small>Status: Treated</small> </td> </tr> <tr> <td colspan="3"> <small>Cause: AFCWdxzcb gfbhbv</small> </td> </tr> <tr> <td colspan="3"> <small>Treatment: asdvdsvd fdv vbgf</small> </td> </tr> </tbody> </table>	Animal	Doctor	Guardian	 Animal Name: Rabbit kid Animal Type: Mammals <small>Gender:</small>	Doctor Name: suma D Phone: 7896542369 Email: sumad@gmail.com Specialization:	Guardian Name: suma Phone: 546387685 Email: suma@gmail.com Gender:	<small>Requested Date: Tue Mar 28 15:24:20 IST 2023</small> <small>Treatment Date: Tue Mar 28 15:26:07 IST 2023</small> <small>Status: Treated</small>			<small>Cause: AFCWdxzcb gfbhbv</small>			<small>Treatment: asdvdsvd fdv vbgf</small>		
Animal	Doctor	Guardian													
 Animal Name: Rabbit kid Animal Type: Mammals <small>Gender:</small>	Doctor Name: suma D Phone: 7896542369 Email: sumad@gmail.com Specialization:	Guardian Name: suma Phone: 546387685 Email: suma@gmail.com Gender:													
<small>Requested Date: Tue Mar 28 15:24:20 IST 2023</small> <small>Treatment Date: Tue Mar 28 15:26:07 IST 2023</small> <small>Status: Treated</small>															
<small>Cause: AFCWdxzcb gfbhbv</small>															
<small>Treatment: asdvdsvd fdv vbgf</small>															

The doctor can write the prescription about requests sent by the guardian belonging to animals.

View Food Diet:

[Home \(Doctor\)](#)
 [Animals](#)
 [View Doctor Request](#)
 [View Treatment](#)
 [Logout](#)

	Animal Name Rabbit kid	Animal Type Mammals	Gender Female	Age 10 years	Weight 15 kgs
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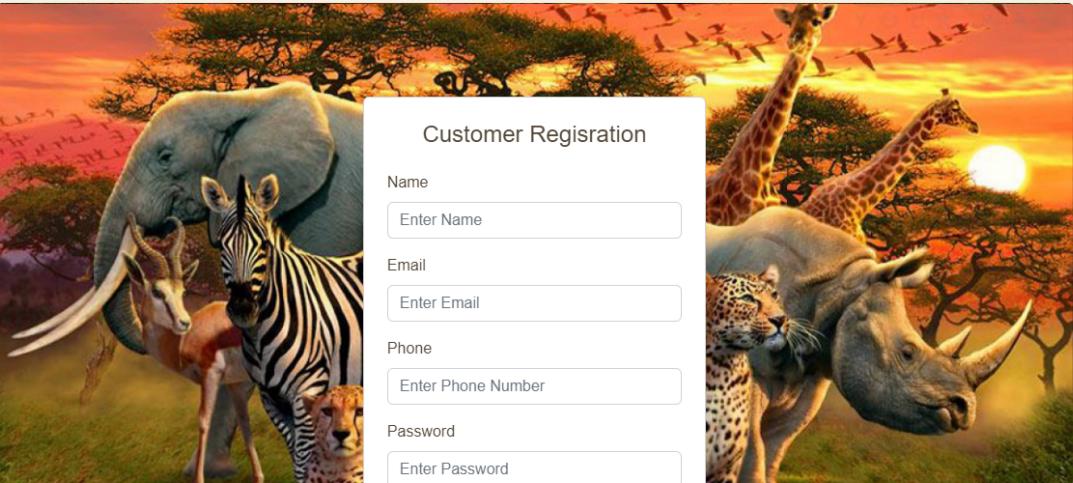
Food's Details

Day	Breakfast	Lunch	Snack	Dinner
Monday	carrot	tomato	con	milk

Here we can view the food details about animals. Doctor , guardian, admin, and customer can view the food diets.

Customer Registration:

[Home](#)
 [Admin](#)
 [Guardian](#)
 [Doctor](#)
 [Customer](#)
 [Customer Registration](#)



Customer Registration

Name

Email

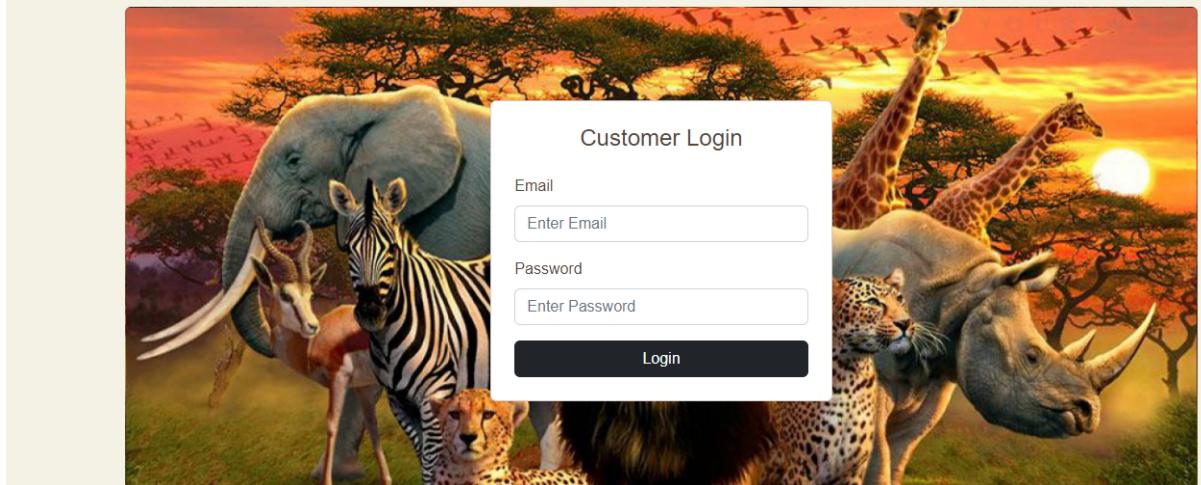
Phone

Password

Register

Customers can register with their details like name, email, phone, password click on register button then details are stored in customer table.

Customer Login:



In this page customers can login with registered credentials like email and password. Enter the email and password and click on the login button then the customer home page will be open. If the entered credentials are not matched to the stored database details then the message will be displayed like invalid details.

Tickets:

A screenshot of a customer tickets details page. At the top, there's a navigation bar with links for "Home", "Animals", "Tickets", "Bookings", and "Logout". Below the navigation, the title "Tickets Details" is centered. A sidebar on the left displays a summary table for "animals" with three rows: "Total Tickets 3", "Adults \$ 5", and "Children's \$ 3". Below this table is a "Ticket Details" section containing the identifier "srfhfgjgyh". At the bottom of the sidebar is a prominent "Book Tickets" button. The main content area is currently empty, showing a light gray background.

Here the customer can view the tickets added by admin. and then the customer view the available tickets.

Booking:

Home	Animals	Tickets	Bookings	Logout
Book Your Tickets 2023-03-28				
animals	Adult : \$ 5	Childern : \$ 3	Total : 3	Booked : 2 Available : 1
Date 03/28/2023 <input type="button" value=""/>	Adults 1	Childern's 0	Adults Payable 1	1 x \$ 5 = \$ 5 = \$ 5
Book Tickets				
<div style="border: 1px solid #ccc; padding: 10px;"> <p>Adult 1</p> <p>Name <input type="text"/></p> <p>Gender <input type="text"/></p> <p>Age <input type="text"/></p> </div>				

The customer can view the tickets if the customer is interested then they can book the tickets for many people.

Payment:

animals	Adult : \$ 5	Childern : \$ 3	Total : 3	Booked : 2 Available : 1
Date 03/28/2023 <input type="button" value=""/>	Adults 1	Childern's 0	Adults Payable 1	1 x \$ 5 = \$ 5 = \$ 5
<div style="border: 1px solid #ccc; padding: 10px; text-align: center;"> <p>Pay Now</p> <p>Amount : \$ 5</p> <p>Card Number <input type="text"/></p> <p>Name on Card <input type="text"/></p> <p>CVV <input type="text"/></p> <p>Expire Date <input type="text"/></p> <p>Pay Now</p> </div>				

Here the customer can book the ticket and click on the pay button when the card details form will be open then the customer can enter all details here.

View Bookings:

Date
03/28/2023

Choose Ticket Type
animals

Bookings's

Title	Title	Booking Date	Adults	Childern's	Total Tickets	Total Paid	Booked By
animals		2023-03-28	1	1	2	8	suma C (7896542369)

Here the guardian , admin, and customer can view the bookings booked by customer.