

# **ZOO MANAGEMENT SYSTEM**

**A Project Report**

**Submitted by:**

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in partial fulfilment for the award of the degree

of

**INTEGRATED MASTER OF SCIENCE - (CA & IT)**

at



**Department of Computer Science**

**INDUS UNIVERSITY**

**JAN - APR 2025**



## CERTIFICATE

This is to certify that the project titled "**ZOO MANAGEMENT SYSTEM**" is the bona fide work carried out by **PANDIT SUMITKUMAR KISHOR** (**IU2283830051**), a student of Integrated MSc. (CA & IT) Semester - VI during the academic year 2025-26, in partial fulfilment of the requirements for the award of the degree of Integrated Master of Science (CA & IT).

**Internal Guide Signature:**

**Head of Dept. Signature:**

**Date:**

**Date:**

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## **1. Acknowledgment**

- ❖ I would like to take this opportunity to express my sincere gratitude to all those who supported and guided us throughout the successful completion of our **Zoo Website** project.
- ❖ First and foremost, we would like to extend our heartfelt thanks to our mentor, **Mr. Urmil Bhatt**, for his invaluable guidance, insightful feedback, and constant encouragement. His expertise and support played a crucial role in shaping the direction and outcome of this project.
- ❖ We are also deeply grateful to **Mr. Kirtankumar Rathod**, Head of the Department, for his leadership and for providing the necessary resources and environment to bring this project to fruition.
- ❖ We, the team—**Sumitkumar Pandit & Jainam Doshi**, would like to acknowledge and appreciate each other's dedication, cooperation, and hard work. Our shared ideas, mutual support, and collaboration were key to overcoming challenges and ensuring the successful completion of this website.
- ❖ Additionally, we would like to thank our instructors and peers for their constructive feedback and valuable suggestions, which helped enhance various aspects of the system.
- ❖ This project has been a great learning experience, broadening our understanding of web development, system design, and teamwork. We are thankful for the opportunity to work on such a meaningful and educational endeavor.
- ❖ **Thank you all.**

## **2. Introduction**

- ❖ The **Zoo Management System (ZMS)** is a user-friendly web-based platform designed to help manage different activities in a zoo more easily and efficiently. It handles important tasks like keeping animal records, allowing visitors to book tickets online, and managing job vacancies for zoo staff.
- ❖ This system helps reduce paperwork and saves time by automating daily tasks. Zoo staff can update information quickly, manage bookings, and keep everything organized in one place. Visitors can easily check ticket availability and book their entry without standing in long queues.
- ❖ By using this system, the zoo becomes more organized and modern. It improves the overall experience for both the staff and the visitors, making zoo operations smoother and more efficient.

### **3. Project Profile**

#### **3.1 Scope of System**

- ❖ To manage and organize animal records in a systematic manner.
- ❖ To provide online ticket booking facility for visitors.
- ❖ To manage staff vacancy details and applications efficiently.
- ❖ To reduce paperwork and human effort in daily zoo operations.
- ❖ To improve the overall experience of both zoo staff and visitors.
- ❖ To maintain accurate and up-to-date information related to the zoo.

#### **3.2 Modules**

##### **1. Admin Management**

- ❖ Dashboard
- ❖ Animal Management
- ❖ Ticket Booking Records
- ❖ Staff & Vacancy Management
- ❖ User Management
- ❖ Feedback Review
- ❖ Customization access

##### **2. Visitor Management**

- ❖ Login / Register
- ❖ View Animal Info
- ❖ Online Ticket Booking
- ❖ Apply for Job
- ❖ Contact & Feedback

### **3. Animal Management**

- ❖ Animal Registration
- ❖ Animal Information Management
- ❖ Habitat Management

#### **3.3 Tools and Technology**

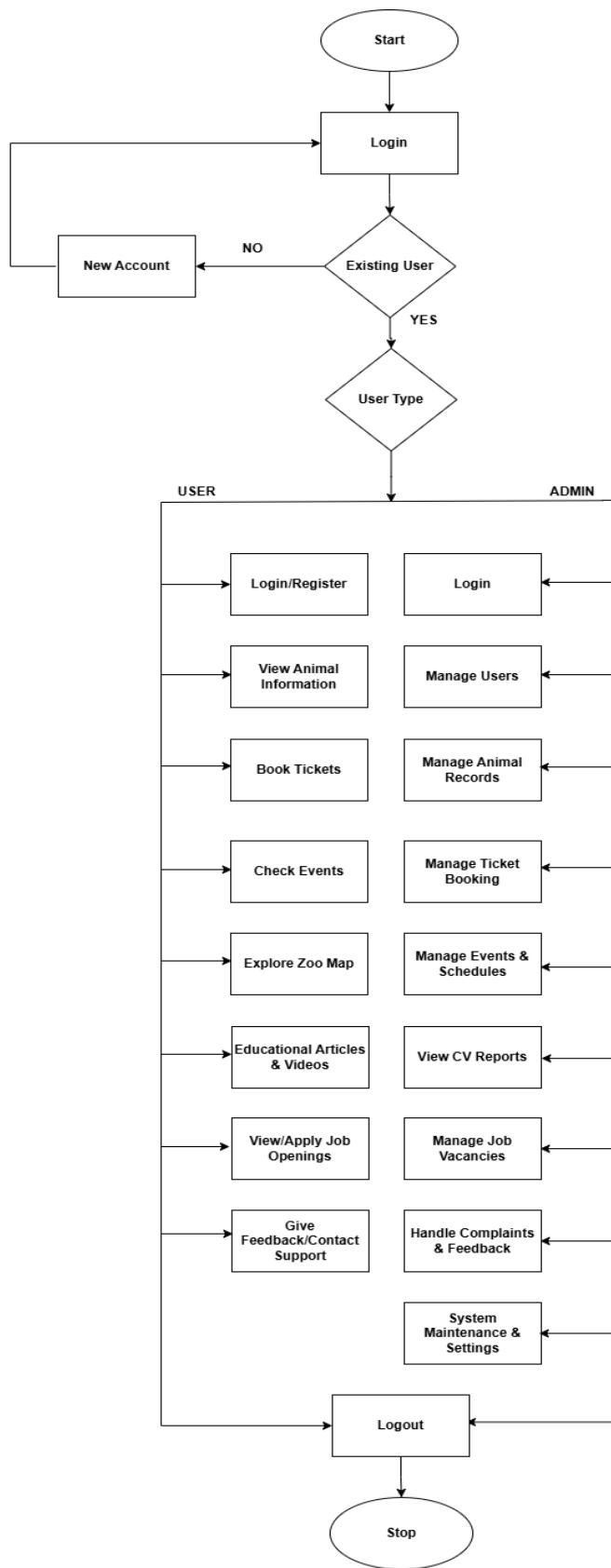
TOOLS	FRONTEND	BACKEND	DATABASE	
1	 PHP	{.js} JavaScript		
2	 Bootstrap			 Notepad++
3	{.js} JavaScript			 draw.io

## **4. Analysis**

### **4.1 Need for the System**

- ❖ **Improved Animal Care** – Maintains records of animal species, and other important information.
- ❖ **Visitor Experience Enhancement** – Provides online ticket booking, virtual tours, and real-time updates.
- ❖ **Streamlined Operations** – Reduces manual work by automating zoo activities like ticketing booking.
- ❖ **Ticket Management** – Monitors revenue.
- ❖ **Security & Compliance** – Ensures animal safety and legal compliance with regulations.
- ❖ **Education & Awareness** – Offers digital displays and interactive learning to educate visitors.
- ❖ **Feedback & Complaint Handling** – Enables visitors to submit feedback, complaints, and suggestions for improvement.

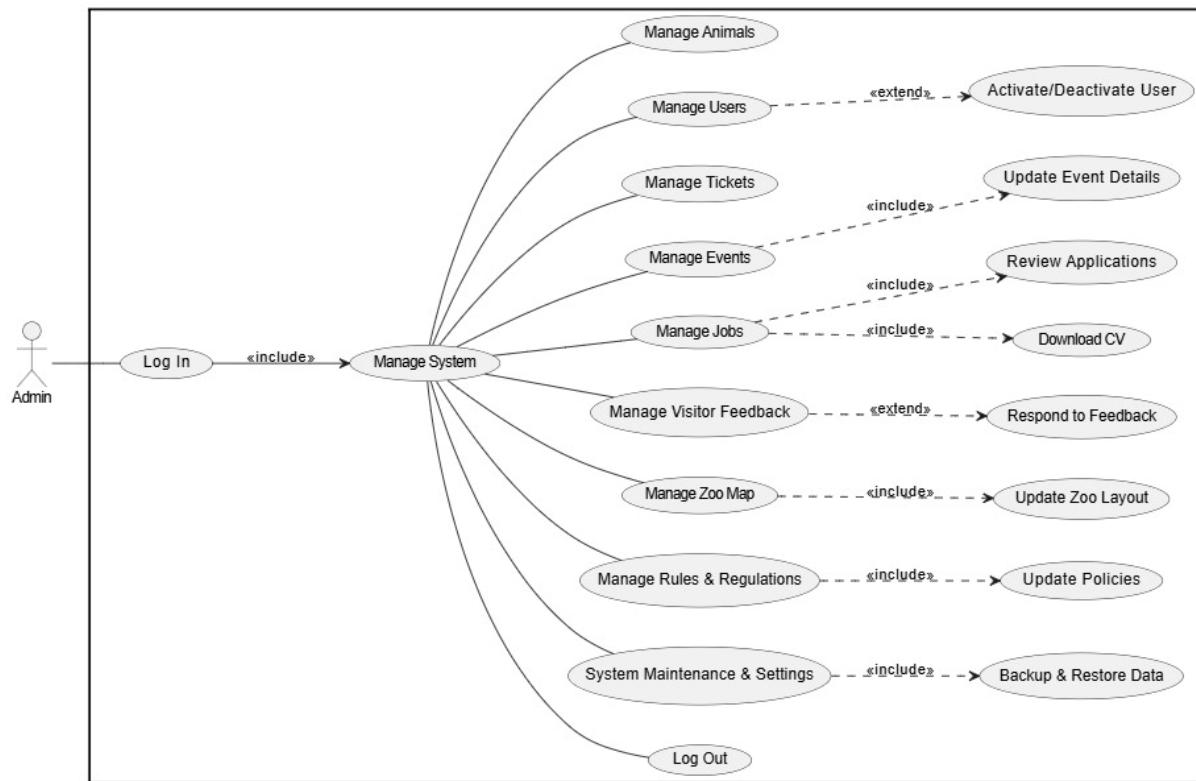
## 4.2. System Flow Diagram



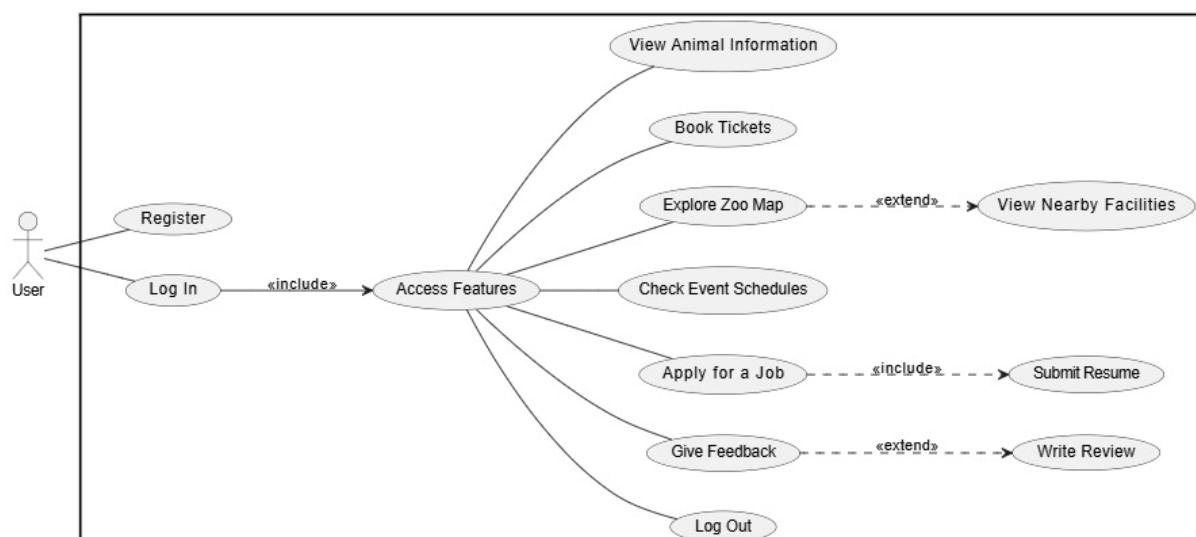
## 5. UML DIAGRAM

### 5.1 USE-CASE DIAGRAM

#### 5.1.1 ADMIN USE-CASE DIAGRAM

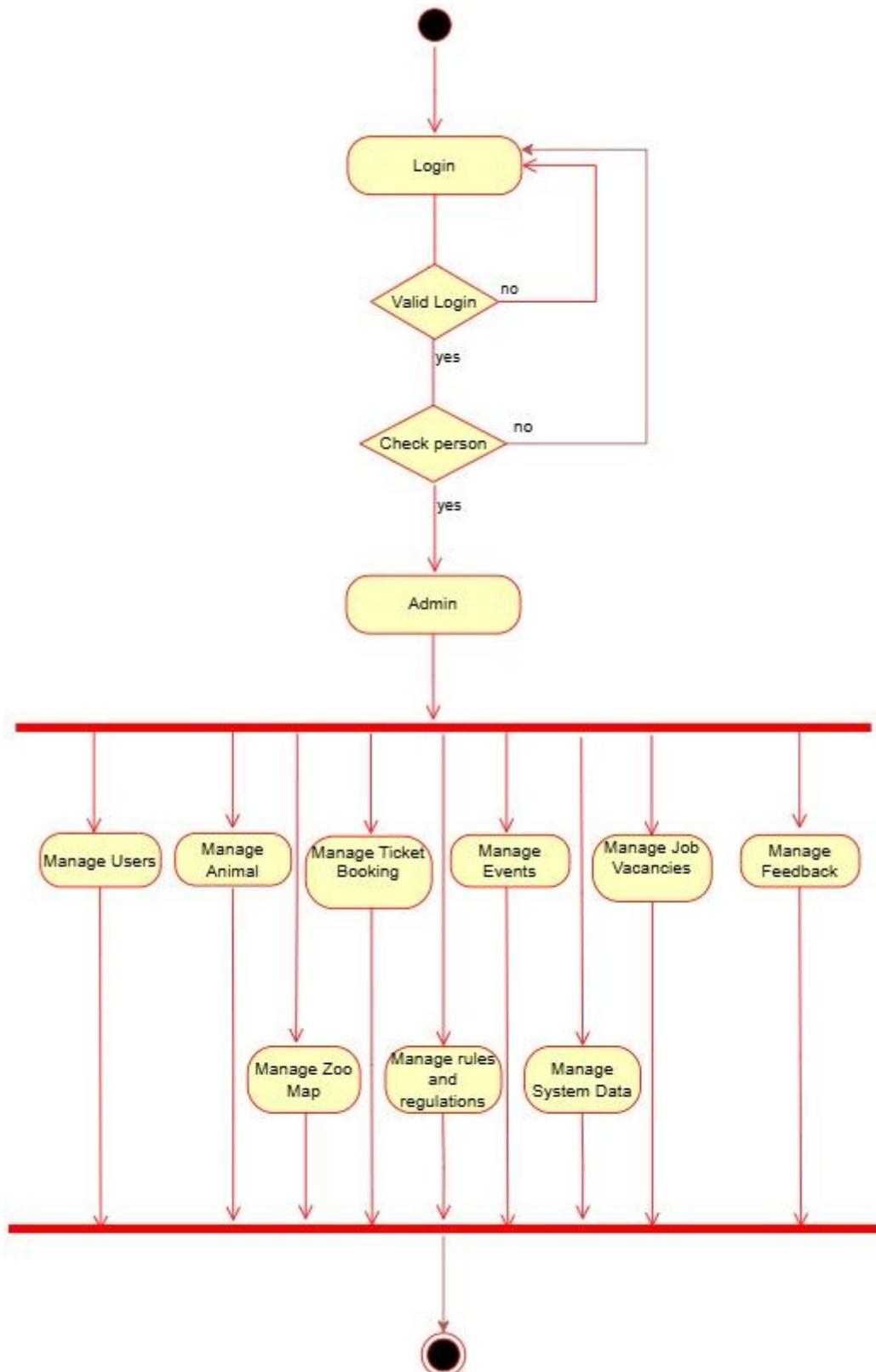


#### 5.1.2 USER USE-CASE DIAGRAM

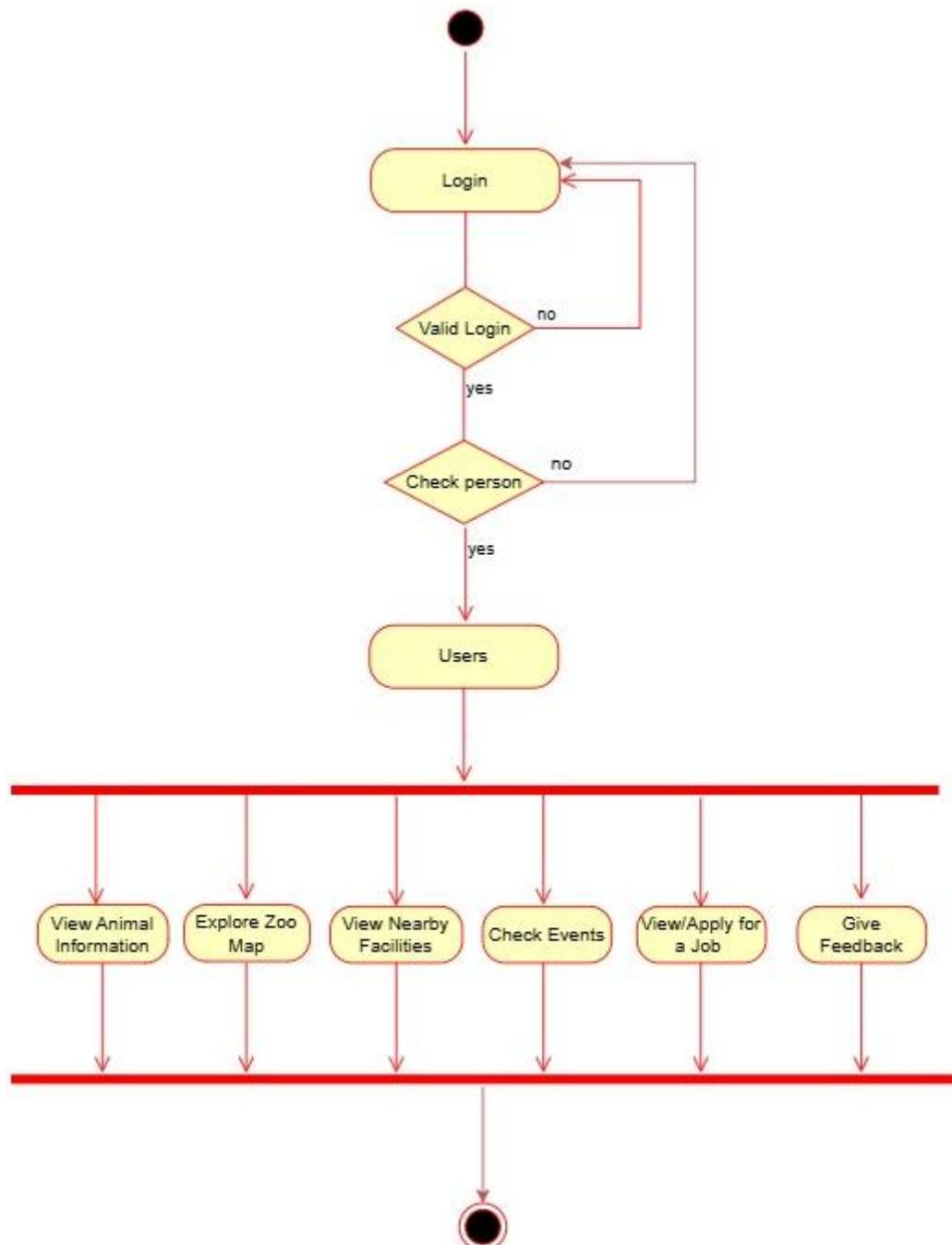


## 5.2 ACTIVITY DIAGRAM

### 5.2.1 ADMIN ACTIVITY DIAGRAM

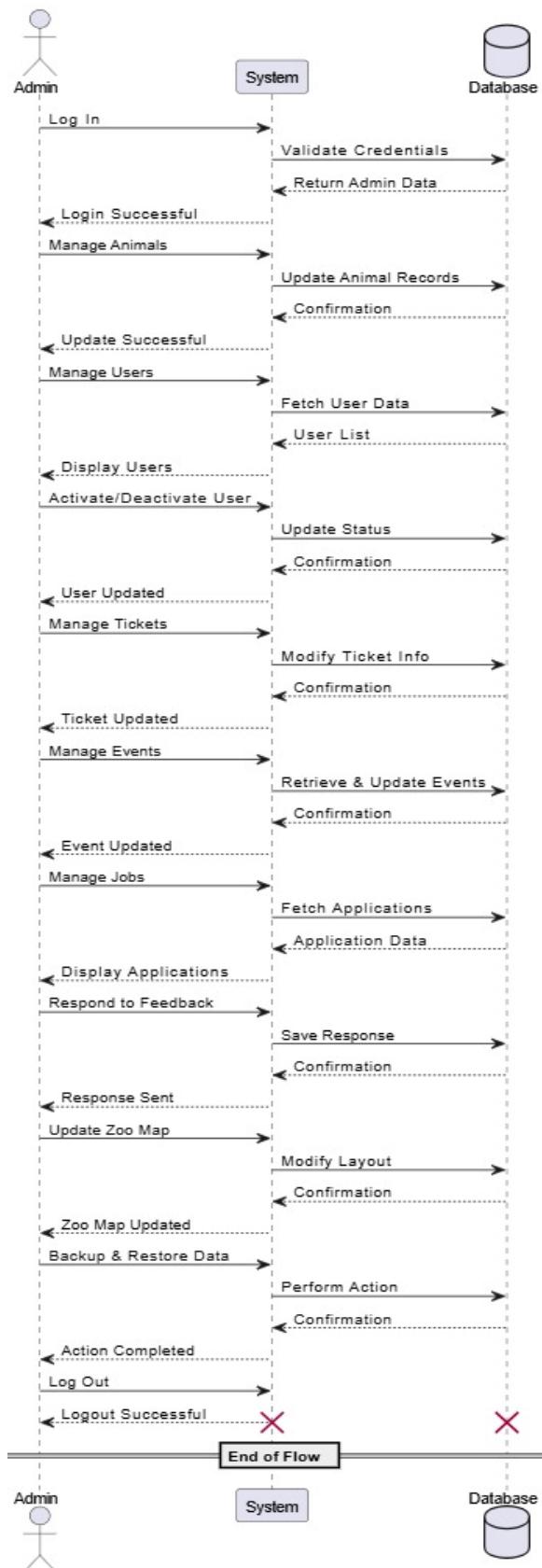


### 5.2.2 USER ACTIVITY DIAGRAM

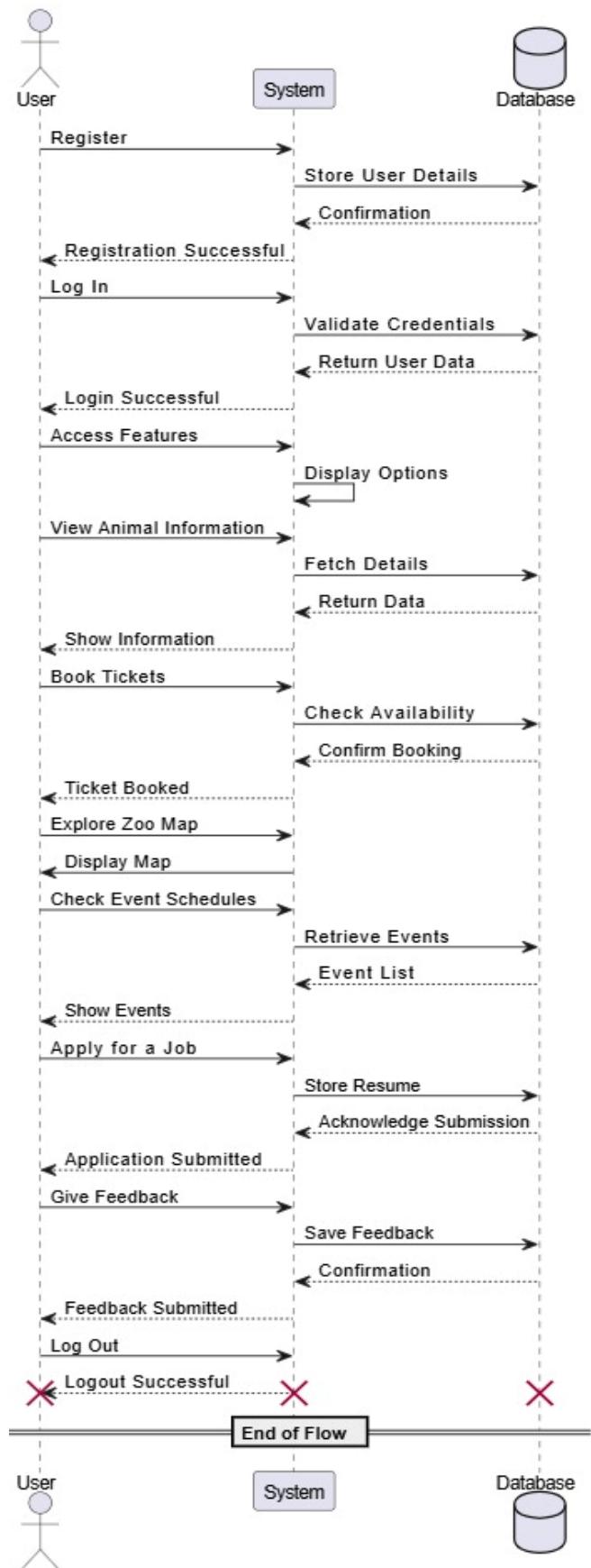


## 5.3 SEQUENCE DIAGRAM

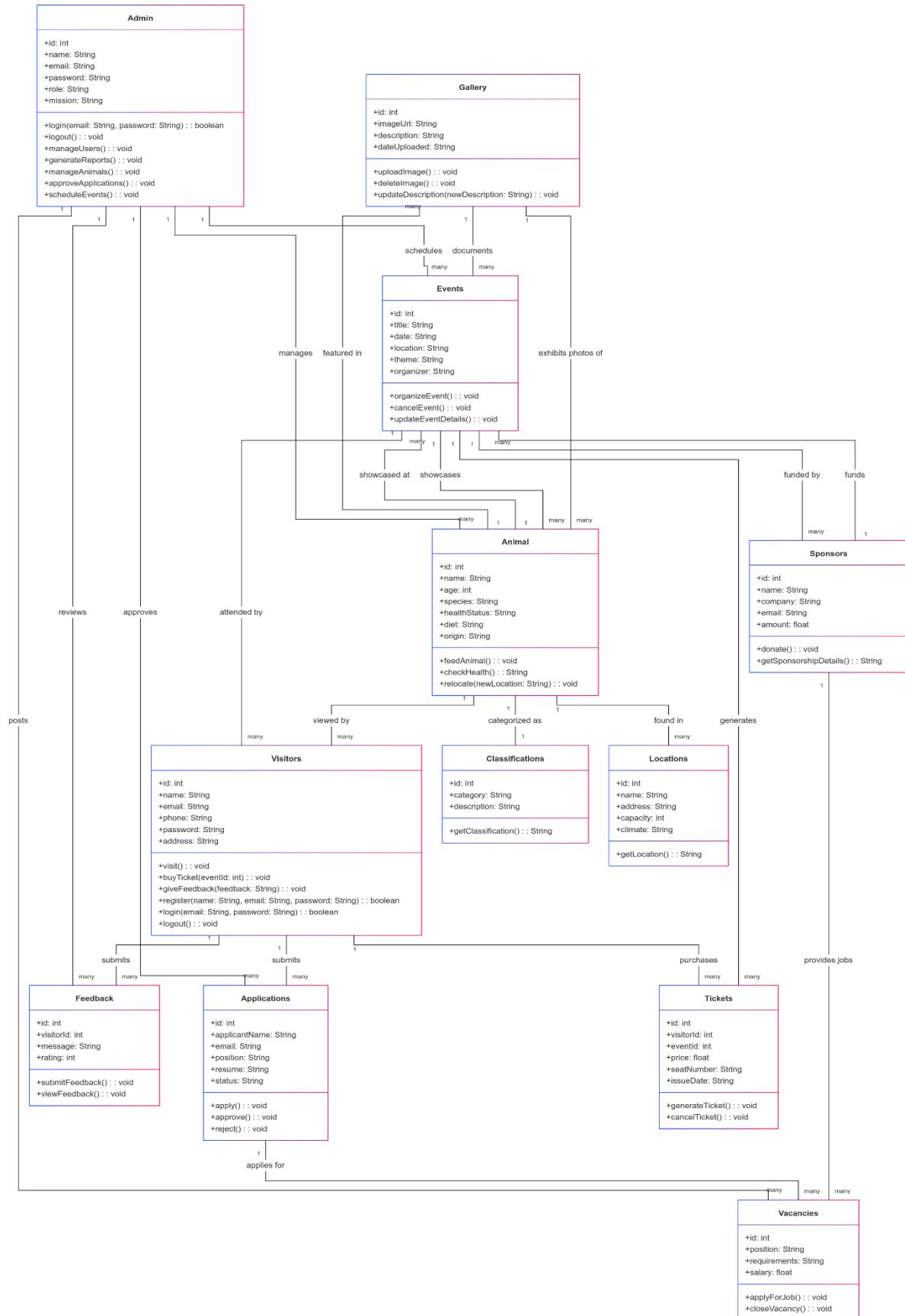
### 5.3.1 ADMIN SEQUENCE DIAGRAM



### 5.3.2 USER SEQUENCE DIAGRAM



## **5.4 CLASS DIAGRAM**



## **6 DATA DICTIONARY**

### **1. Admin Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier for the admin	PRIMARY KEY, AUTO_INCREMENT
name	VARCHAR(255)	Admin's full name	NOT NULL
email	VARCHAR(100)	Admin's email	UNIQUE, NOT NULL
password	VARCHAR(255)	Admin's hashed password	NOT NULL
role	VARCHAR(50)	Admin role	NOT NULL

### **2. Animal Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier for each animal	PRIMARY KEY, AUTO_INCREMENT
name	VARCHAR(100)	Name of the animal	NOT NULL
age	INT	Age of the animal	
species	VARCHAR(100)	Species of the animal	NOT NULL
diet	VARCHAR(255)	Animal's diet details	NOT NULL
origin	VARCHAR(255)	Where the animal is from	NOT NULL

### 3. Classification Table

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
category	VARCHAR(100)	Classification category	NOT NULL
description	TEXT	Description of category	NOT NULL

### 4. Location Table

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
name	VARCHAR(100)	Name of location	NOT NULL
address	TEXT	Address of location	NOT NULL
capacity	INT	Maximum capacity	NOT NULL
climate	VARCHAR(100)	Climate type	NOT NULL

**6. Application Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier for application	PRIMARY KEY, AUTO_INCREMENT
applicantName	VARCHAR(255)	Name of applicant	NOT NULL
email	VARCHAR(100)	Applicant's email	UNIQUE, NOT NULL
position	VARCHAR(100)	Position applied for	NOT NULL
resume	TEXT	Resume file path/content	NOT NULL
status	VARCHAR(50)	Application status	DEFAULT 'Pending'

**7. Event Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
title	VARCHAR(255)	Event title	NOT NULL
date	DATE	Event date	NOT NULL
location	VARCHAR(255)	Event location	NOT NULL
organizer	VARCHAR(100)	Organizer name	NOT NULL

**8. Sponsors Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
name	VARCHAR(255)	Sponsor's name	NOT NULL
company	VARCHAR(255)	Sponsor's company	NOT NULL
email	VARCHAR(100)	Sponsor's email	UNIQUE, NOT NULL
amount	FLOAT	Donation amount	DEFAULT 0.0

**9. Tickets Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
visitorId	INT	Visitor ID	FOREIGN KEY (Visitors.id)
eventId	INT	Event ID	FOREIGN KEY (Events.id)
price	FLOAT	Ticket price	NOT NULL
issueDate	DATE	Issue date	DEFAULT CURRENT_DATE

**10. Visitors Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
name	VARCHAR(255)	Full name	NOT NULL
email	VARCHAR(100)	Email	UNIQUE, NOT NULL
phone	VARCHAR(20)	Phone number	UNIQUE, NOT NULL
password	VARCHAR(255)	Hashed password	NOT NULL
address	TEXT	Visitor's address	NOT NULL

**11. Feedback Table**

Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
visitorId	INT	Visitor ID	FOREIGN KEY (Visitors.id)
message	TEXT	Feedback message	NOT NULL

**12. Vacancies Table**

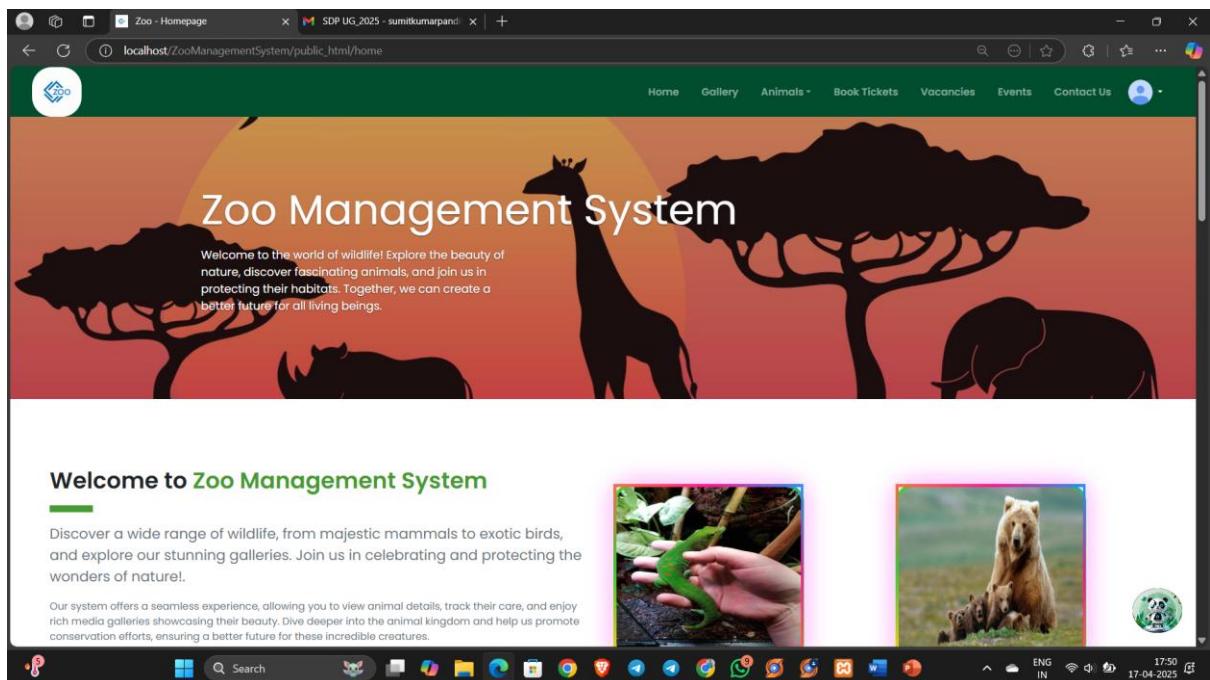
Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
position	VARCHAR(100)	Job position	NOT NULL
requirements	TEXT	Job requirements	NOT NULL
salary	FLOAT	Salary offered	NOT NULL

**13. Gallery Table**

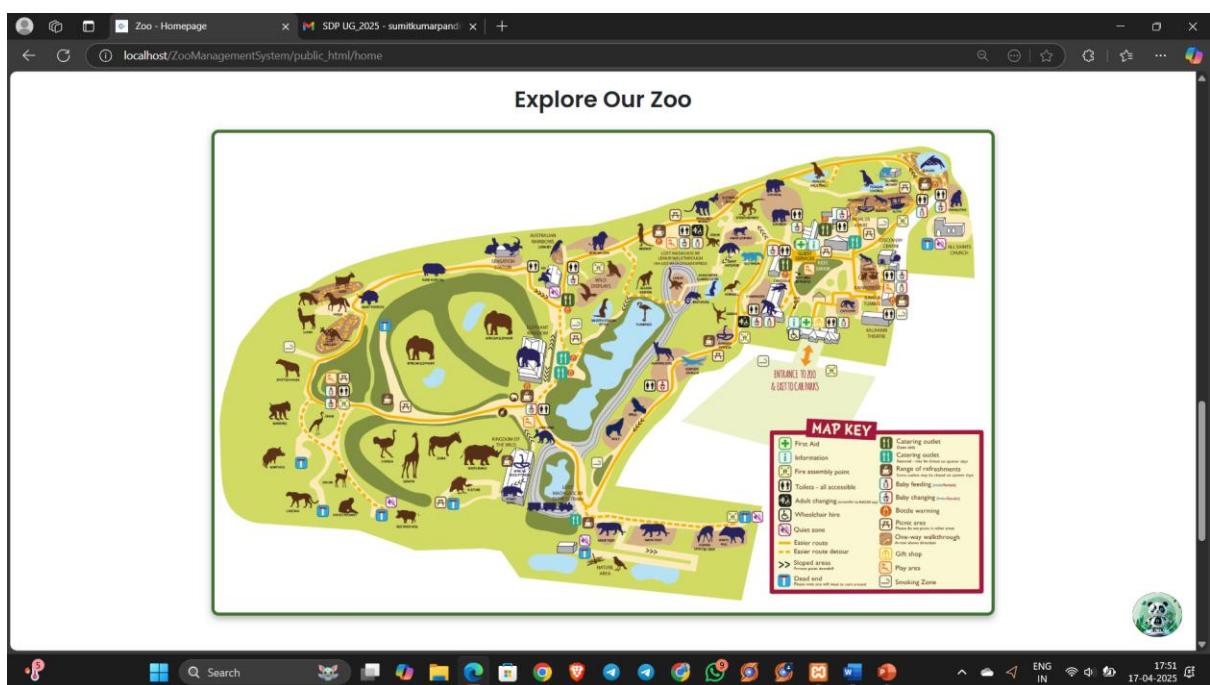
Field Name	Data Type	Description	Constraints
id	INT	Unique identifier	PRIMARY KEY, AUTO_INCREMENT
imageUrl	VARCHAR(255)	Image file path	NOT NULL
description	TEXT	Image description	NOT NULL
dateUploaded	DATE	Upload date	DEFAULT CURRENT_DATE

## 7. USER INTERFACE SCREENSHOTS

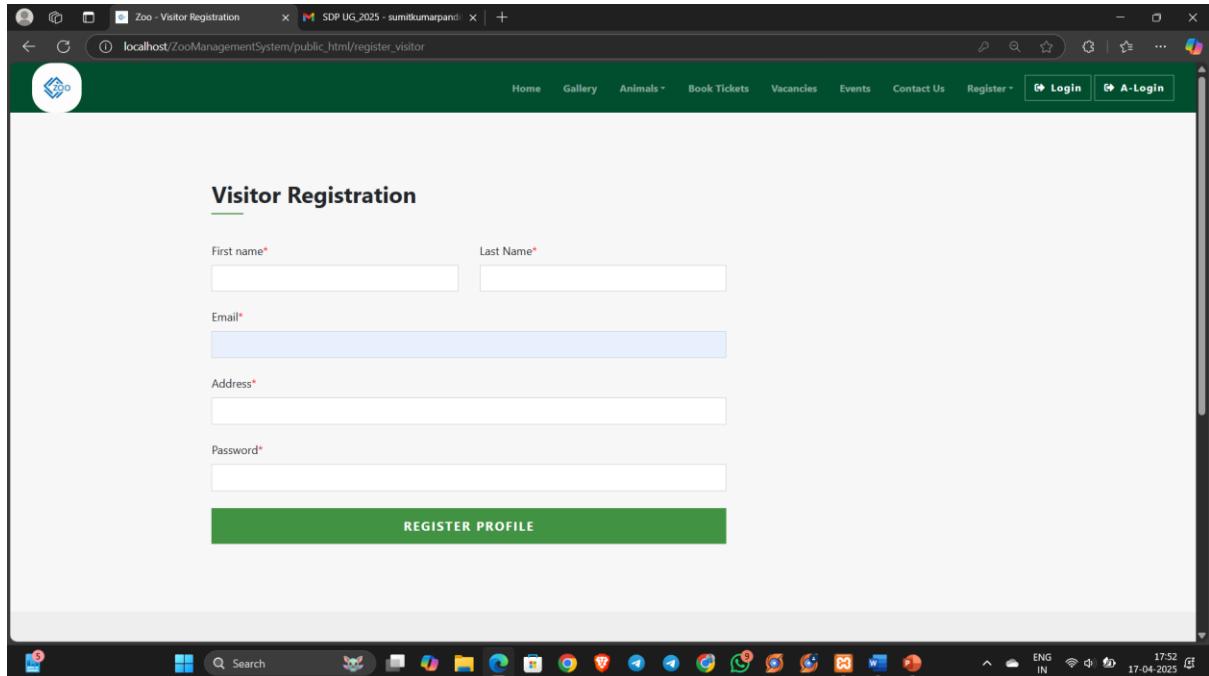
### HOME PAGE



### ZOO MAP PAGE

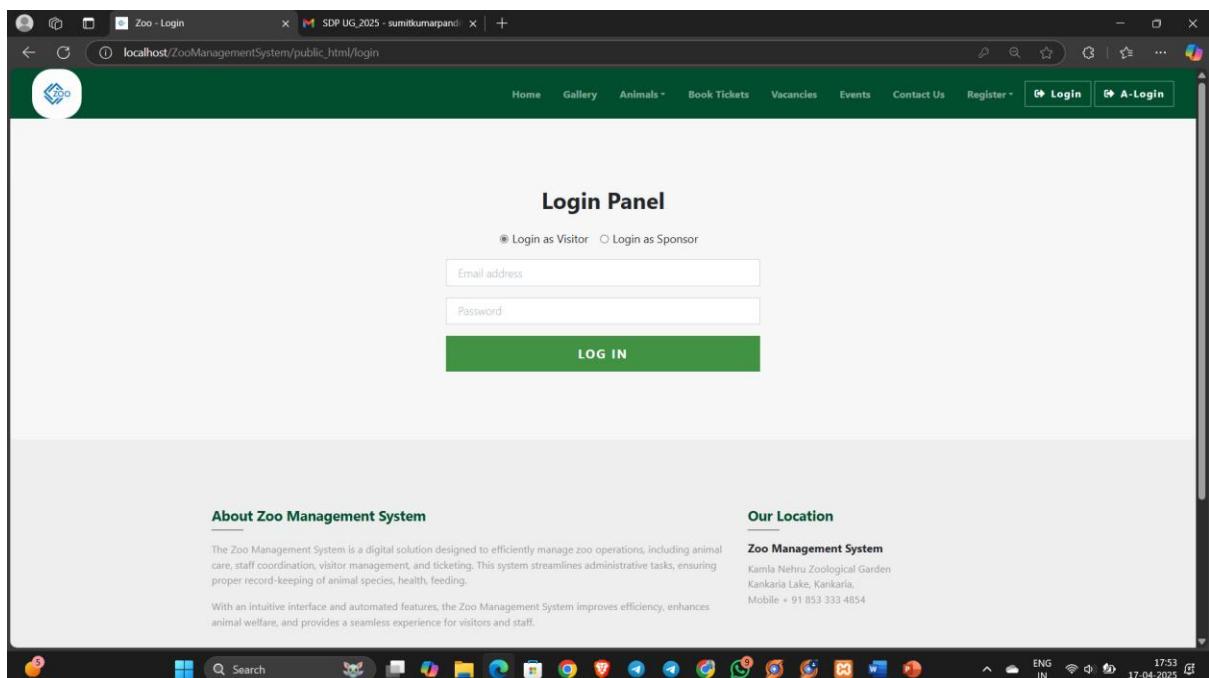


## REGISTRATION PAGE



The screenshot shows a web browser window titled "Zoo - Visitor Registration" with the URL "localhost/ZooManagementSystem/public\_html/register\_visitor". The page has a green header bar with the ZMS logo and navigation links: Home, Gallery, Animals, Book Tickets, Vacancies, Events, Contact Us, Register, Login, and A-Login. The main content area is titled "Visitor Registration" and contains four input fields: "First name\*" (with placeholder "John"), "Last Name\*" (with placeholder "Doe"), "Email\*", and "Address\*". Below these fields is a green button labeled "REGISTER PROFILE". The status bar at the bottom of the browser shows system information like battery level, signal strength, and the date/time.

## LOGIN PAGE

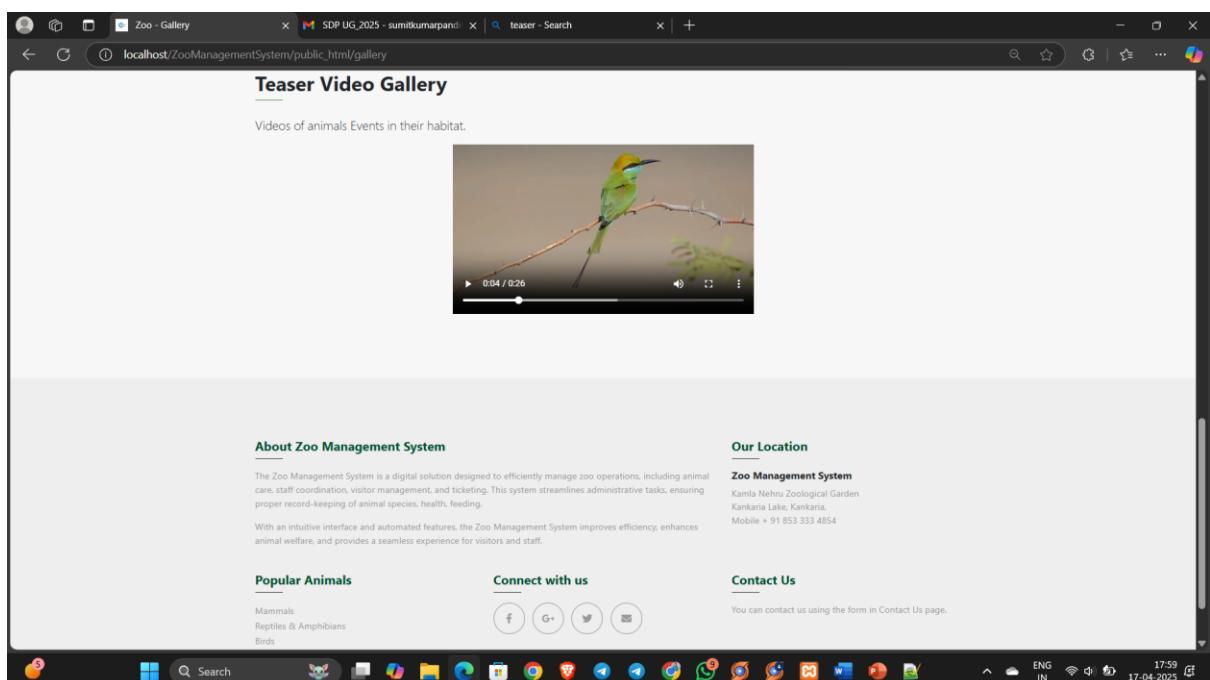


The screenshot shows a web browser window titled "Zoo - Login" with the URL "localhost/ZooManagementSystem/public\_html/login". The page has a green header bar with the ZMS logo and navigation links: Home, Gallery, Animals, Book Tickets, Vacancies, Events, Contact Us, Register, Login, and A-Login. The main content area is titled "Login Panel" and features two radio buttons: "Login as Visitor" (selected) and "Login as Sponsor". It includes two input fields: "Email address" and "Password", and a green "LOG IN" button. Below the login form, there are two sections: "About Zoo Management System" (describing the system's purpose) and "Our Location" (listing the zoo's address and contact information). The status bar at the bottom of the browser shows system information like battery level, signal strength, and the date/time.

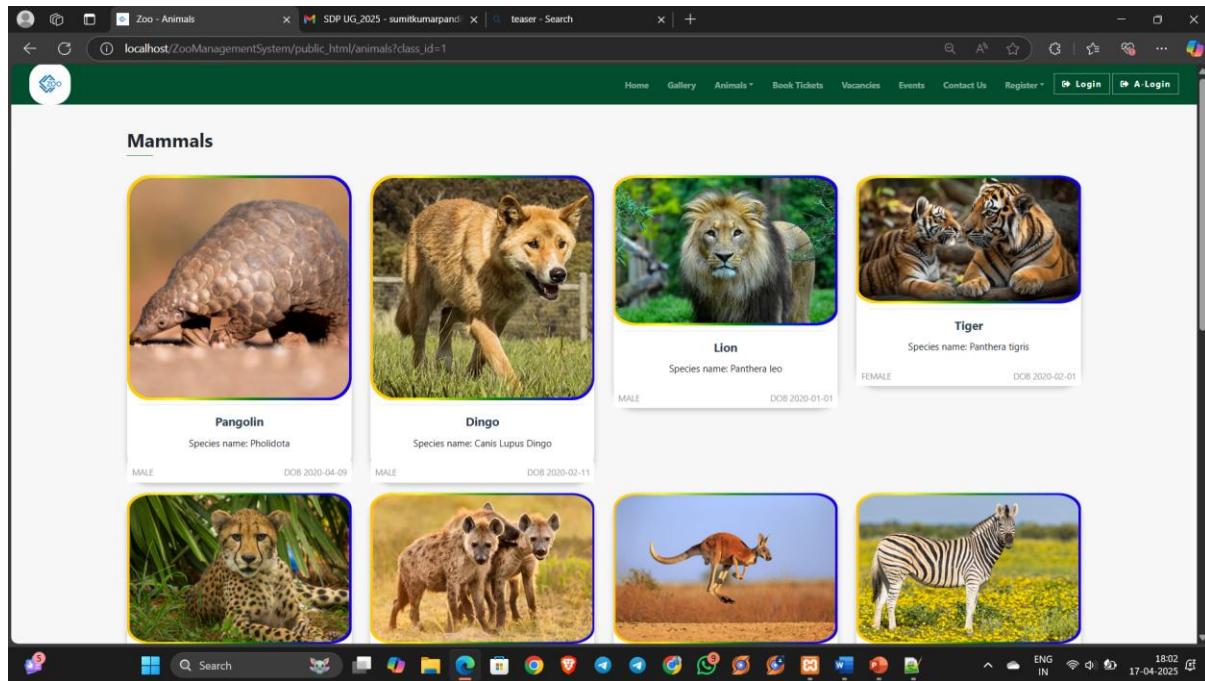
## GALLERY PAGE



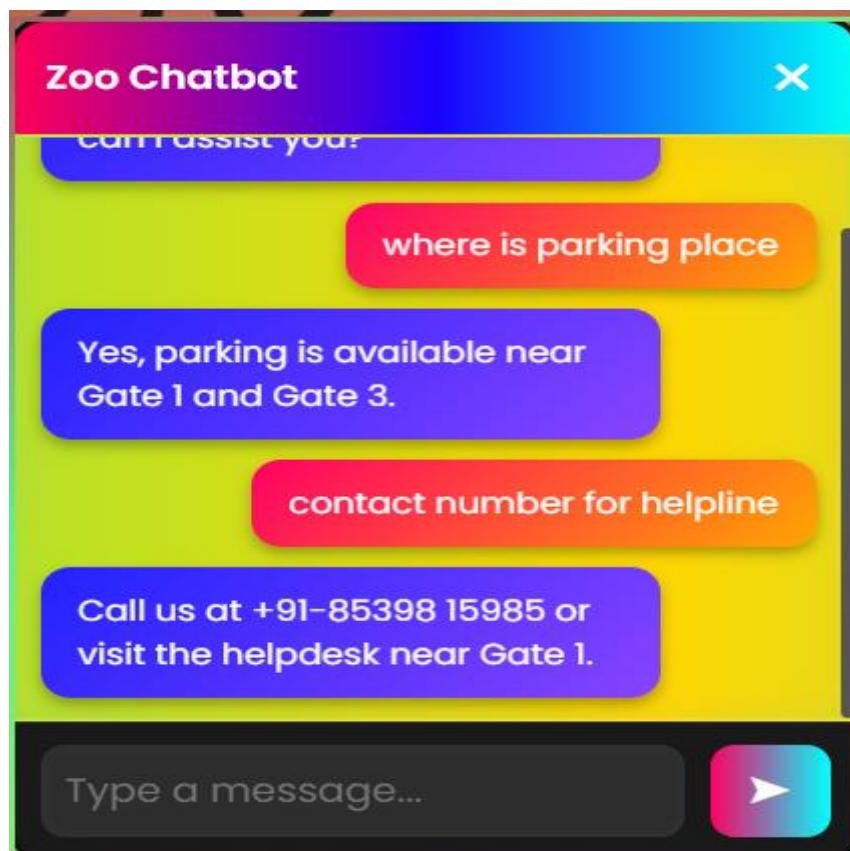
## TEASER VIDEO GALLERY PAGE



## ANIMALS PAGE



## CHATBOT PAGE



## VACANCIES PAGE

**Vacancies**

Following jobs are available in Zoo

**Ticket Counter Executive**

**Description:** Responsible for issuing tickets to visitors, managing cash and card payments and assisting with visitor inquiries at the entry gate.

**Job Type:** Permanent

**Job Start Date:** 2025-04-20

**APPLY**

## TICKETS BOOKING PAGE

**Book Tickets**

Ticket Group	Price
Regular	₹60.00
Student	₹30.00
Child	₹20.00

**Select Number of Tickets**

Name:

Regular:

Student:

Child:

Date:

**PAY NOW**

## CONTACT US PAGE

**Address**

Kamla Nehru Zoological Garden  
Kankaria Lake, Kankaria,  
Ahmedabad, Gujarat 380002, INDIA

**Call center**

For assistance or inquiries, please call our customer support center at:

- Phone: +91-8539815985
- Hours: Monday to Sunday, 9:00 AM to 6:00 PM IST.

**Electronic support**

For any queries or assistance, feel free to reach out to us via email.

- info@ZooMs.com

**Contact form**

Have questions, feedback, or need assistance? Fill out the form below, and our team will get back to you promptly!

Firstname  Lastname   
 Email  Subject   
 Message

## ABOUT US PAGE

**About Zoo Management System**

The Zoo Management System is a digital solution designed to efficiently manage zoo operations, including animal care, staff coordination, visitor management, and ticketing. This system streamlines administrative tasks, ensuring proper record-keeping of animal species, health, feeding.

With an intuitive interface and automated features, the Zoo Management System improves efficiency, enhances animal welfare, and provides a seamless experience for visitors and staff.

**Our Location**

**Zoo Management System**  
Kamla Nehru Zoological Garden  
Kankaria Lake, Kankaria,  
Mobile + 91 853 333 4854

**Popular Animals**

- Mammals
- Reptiles & Amphibians
- Birds

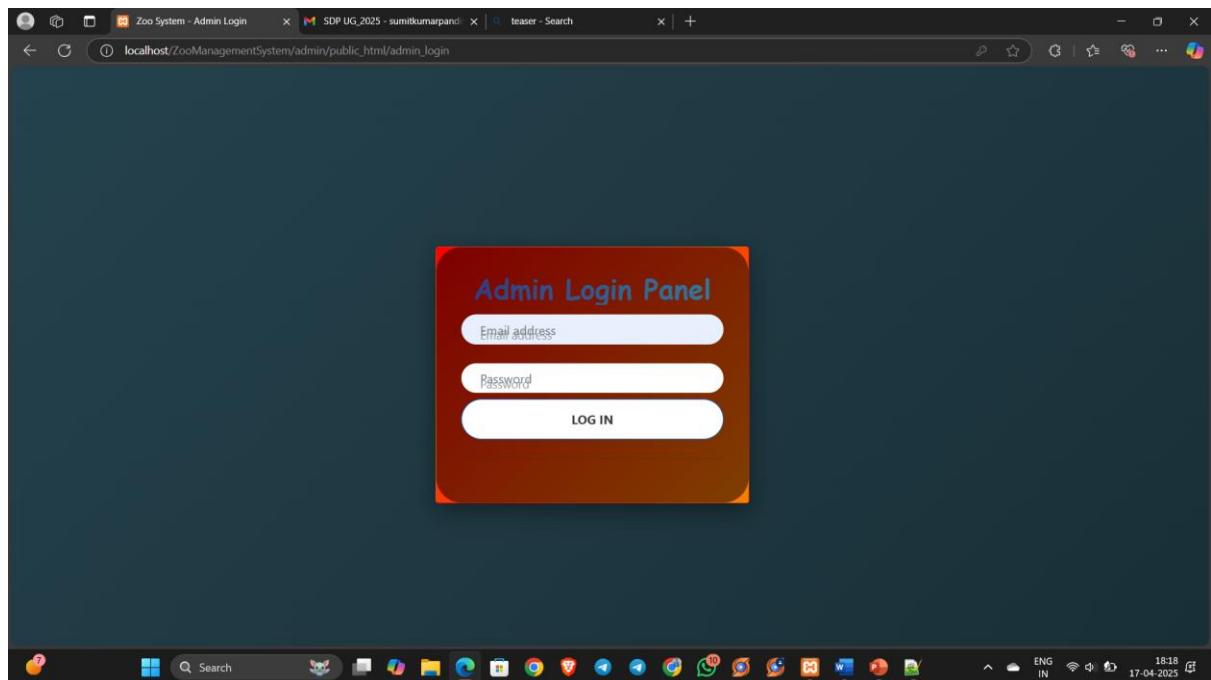
**Connect with us**

[f](#) [G+](#) [t](#) [e](#)

**Contact Us**

You can contact us using the form in Contact Us page.

## ADMIN LOGIN PAGE



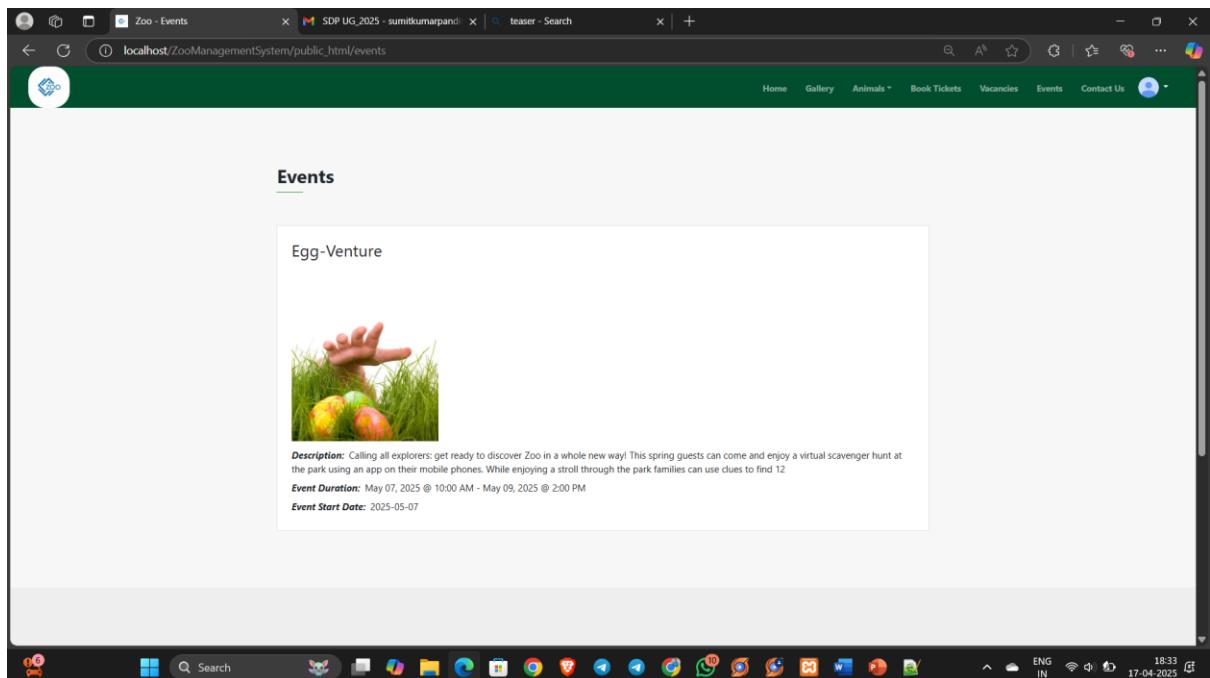
## ADMIN DESHBOARD PAGE

A screenshot of a web browser window titled "Dashboard". The left sidebar is titled "ADMIN" and lists categories like Animals, Locations, Classification, Vacancy, Employee, Visitor, Feedback, and Gallery. The main dashboard area displays several cards with statistics: Sponsorship Revenue (Yearly) ₹ 35, Total Animals 35, Total Sponsors 0, Available Vacancies 0, Tickets Booked 9, Registered Visitors 1, Unreviewed Feedbacks 0, Reviewed Feedbacks 6, Job Applications 0, Pending Sponsors 0, Organized Events 2, and Total System Users 5.

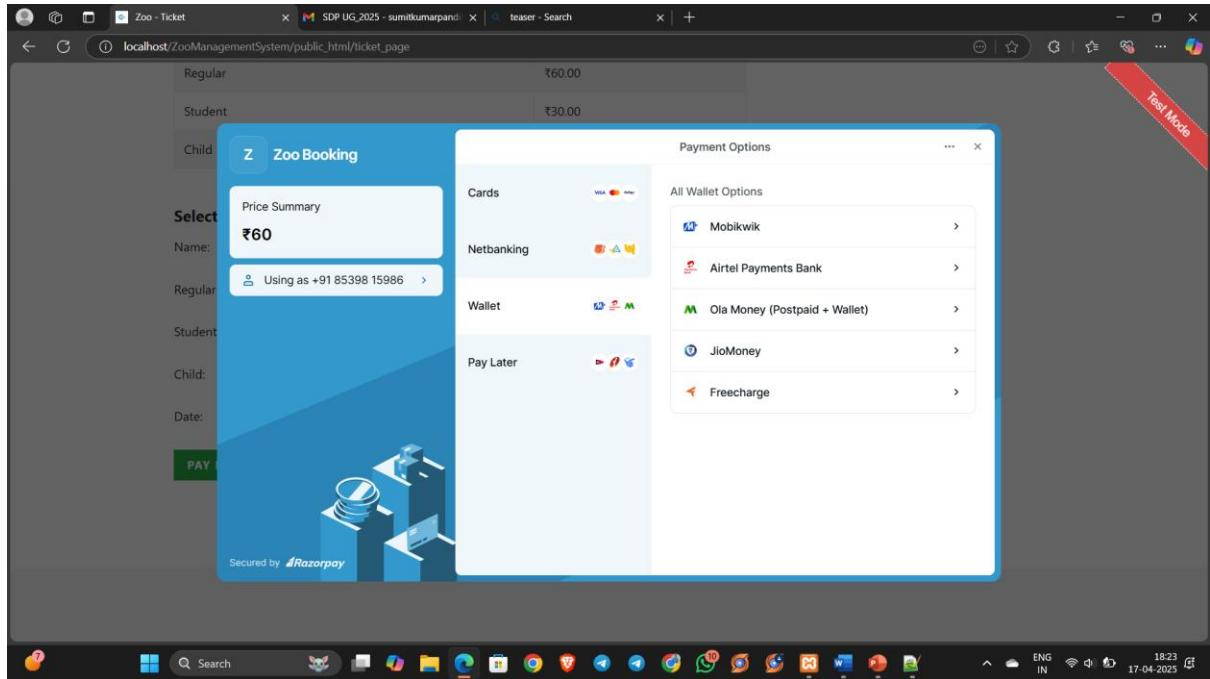
## EDIT PROFILE PAGE

The screenshot shows a web browser window with the URL [localhost/ZooManagementSystem/public\\_html/register\\_visitor?visitor\\_id=9](http://localhost/ZooManagementSystem/public_html/register_visitor?visitor_id=9). The page title is "Visitor Registration". It contains four input fields: "First name\*" and "Last Name\*" (both required), "Email\*", and "Address\*". Below the fields is a green button labeled "EDIT PROFILE". The browser's top navigation bar includes links for Home, Gallery, Animals, Book Tickets, Vacancies, Events, Contact Us, and a user profile icon. The taskbar at the bottom shows various application icons.

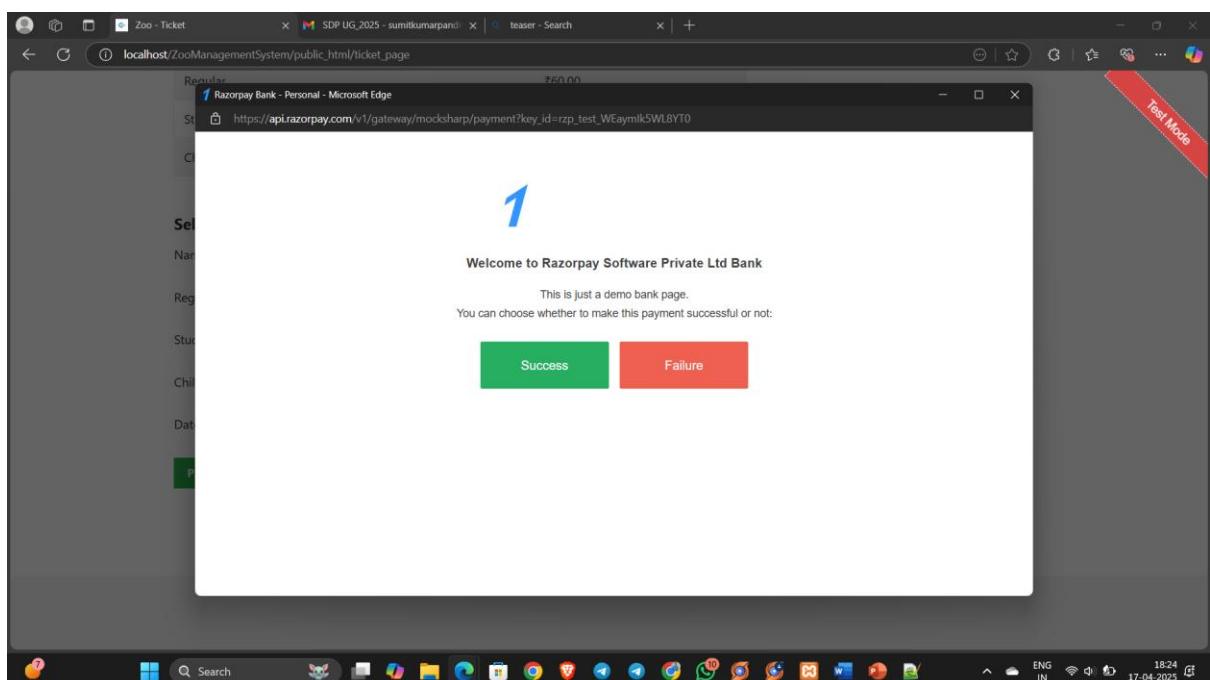
## EVENTS PAGE

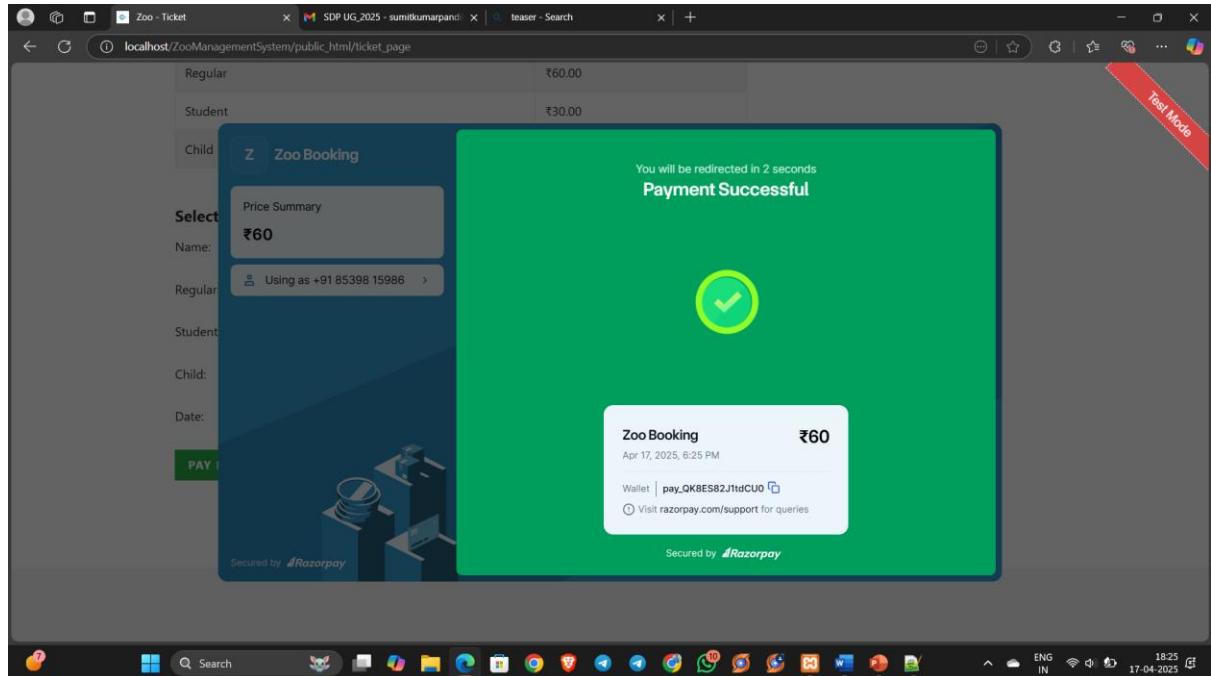


## **PAYMENT GETWAY PAGE**



## **VALIDATION PAYMENT PAGE**



SUCCESSFUL PAGECONFIRMATION ON PAYMENT PAGE

Payment ID	Bank RRN	Customer detail	Created on	Amount	Status	Action
pay_QJzvJftiobiKE	-- Netbanking	+91 8539 815986 NA	Thu Apr 17, 10:16am	₹ 30.00	Authorized	<a href="#">Details &gt;</a>
pay_QJmUyDJRlr2kFm	-- Olamoney Wallet	+91 8539 815985 NA	Wed Apr 16, 9:08pm	₹ 700.00	Authorized	<a href="#">Details &gt;</a>
pay_QJmJsQgMTQGCRd	-- Netbanking	+91 8539 815985 NA	Wed Apr 16, 8:57pm	₹ 20.00	Authorized	<a href="#">Details &gt;</a>
pay_QJmHFyiYn22suv	-- Jiomoney Wallet	+91 8539 815985 NA	Wed Apr 16, 8:55pm	₹ 60.00	Authorized	<a href="#">Details &gt;</a>
pay_QJIATpMROy6n66	-- Netbanking	+91 8539 815986 NA	Wed Apr 16, 7:50pm	₹ 30.00	Authorized	<a href="#">Details &gt;</a>
pay_QJI9ly7gdJJEt	-- Airtelmoney Wallet	+91 8539 815986 NA	Wed Apr 16, 7:50pm	₹ 30.00	Failed	<a href="#">Details &gt;</a>
pay_QJI8BWxzz1xnIM	-- Olamoney Wallet	+91 8539 815986 NA	Wed Apr 16, 7:48pm	₹ 60.00	Authorized	<a href="#">Details &gt;</a>
pay_QJI7o3DZvDYb6z	-- Airtelmoney Wallet	+91 8539 815986 NA	Wed Apr 16, 7:47pm	₹ 60.00	Failed	<a href="#">Details &gt;</a>
pay_QJI66LjXAJpXGY	-- Jiomoney Wallet	+91 8539 815986 NA	Wed Apr 16, 7:46pm	₹ 110.00	Authorized	<a href="#">Details &gt;</a>

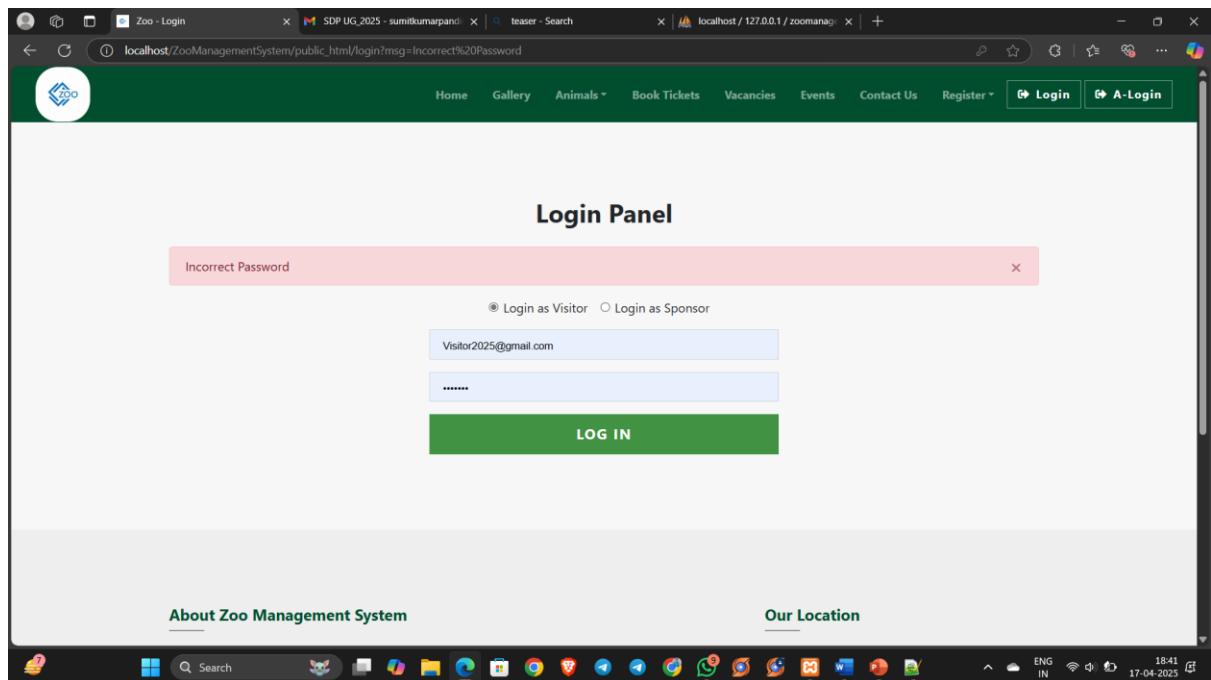
## VALIDATION IN TICKETS BOOKING

The screenshot shows a web browser window titled "Book Tickets". At the top, there is a table with three rows: "Ticket Group" (Regular, Student, Child) and "Price" (₹60.00, ₹30.00, ₹20.00). Below the table, there is a section titled "Select Number of Tickets" with input fields for Name, Regular, Student, and Child counts. A date field is also present. A red box at the bottom contains the text "YOU HAVE TO BE LOGGED IN TO BOOK TICKETS". The browser's address bar shows "localhost/ZooManagementSystem/public\_html/ticket\_page". The taskbar at the bottom includes icons for various applications like File Explorer, Edge, and Google Chrome.

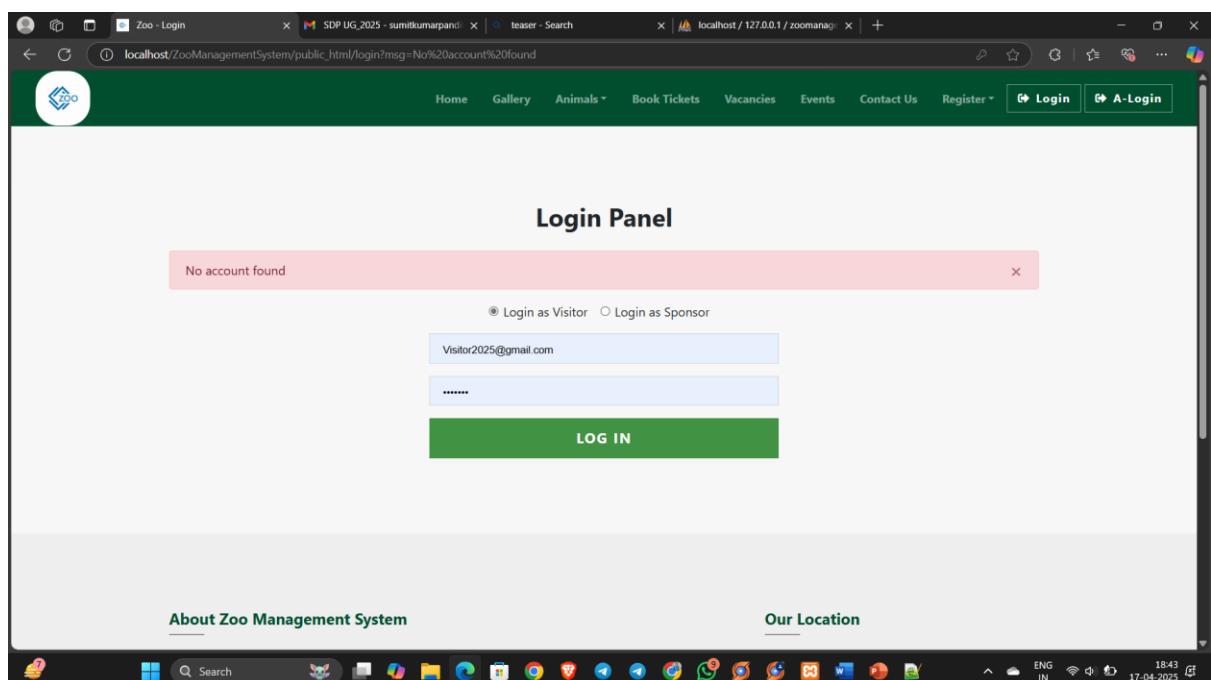
## VALIDATION IN FEEDBACK FORM

The screenshot shows a web browser window titled "Contact Us". It features two main sections: "Address" and "Contact form". The "Address" section contains the address "Kamla Nehru Zoological Garden, Kankaria Lake, Kankaria, Ahmedabad, Gujarat 380002, INDIA". The "Contact form" section has fields for Firstname, Lastname, Email, Subject, and Message. A red box at the bottom contains the text "YOU HAVE TO BE LOGGED IN TO SEND MESSAGES". The browser's address bar shows "localhost/ZooManagementSystem/public\_html/contact". The taskbar at the bottom includes icons for various applications like File Explorer, Edge, and Google Chrome.

## VALIDATION IN LOGIN PASSWORD PAGE



## VALIDATION IN LOGIN EMAIL ID PAGE



## VACANCIES FORM PAGE

**Add Vacancy**

Position\*

Eg: Receptionist

Description\*

...

Vacancy Type\*

Permanent

Contract Start Date\*

dd-mm-yyyy

Contract End Date

dd-mm-yyyy

For temporary vacancy

Add Vacancy

## VISITORS ACCOUNT PAGE

**View Visitors**

#	First Name	Last Name	Email	Address	Actions
1	Margaret	Sowell	margaret@mail.com	44 Glendale Avenue	<button>Archive</button>
2	Christine	Moore	christine@mail.com	4 Mesa Drive	<button>Archive</button>
3	Felix	Nielsen	felix@mail.com	91 Kimberly Way	<button>Archive</button>
4	Teresa	Dumas	teresa@mail.com	7 Frosty Lane	<button>Archive</button>
5	SUMIT	KUMAR	Visitor2025@gmail.com	AHMEDABAD	<button>Archive</button>

VACANCIES APPLY RECORD PAGE

#	Applicant Fullname	Email	Phone	CV	Applied Position	Actions/Info
1	Margaret Sowell	margaret@mail.com	7410001010	<button>Download</button>	Receptionist	Accepted
2	James Negron	negron@mail.com	6578540126	<button>Download</button>	Officer	Accepted
3	Demo Name	demo@demo.com	3333225550	<button>Download</button>	Marketing manager	Accepted
4	SUMIT KUMAR	Visitor2025@gmail.com	8539815985	<button>Download</button>	Ticket Counter Executive	Accepted

FEEDBACK RECORD PAGE

#	First Name	Last Name	Email	Subject	Message	Actions
1	David	Viens	david@mail.com	Regarding Animal Display	A demo feedback!	Reviewed
2	Henry	Foreman	henry@mail.com	Regarding Animal Display	All Good, Testing.	Reviewed
3	David	Viens	david@mail.com	test	Test Test	Reviewed
4	Teresa	Dumas	teresa@mail.com	Test Subject	Hey, this is a demo test.	Reviewed
5	Will	Williams	williams@mail.com	Demo Demo	This is a demo test from Will Williams!	Reviewed
6	SUMIT	KUMAR	Visitor2025@gmail.com	feedback	Thank you for your amazing and fantastic contribution!	Reviewed

TICKETS BOOKING RECORD PAGE

The screenshot shows a web-based administration interface for a Zoo Management System. The main title is "View Booked Tickets". A table displays 10 rows of data, each representing a ticket booking. The columns are: #, Booked For, Child Tickets #, Student Tickets #, Regular Tickets #, Total Price, and Visit Date. All entries in the table are for a user named "SUMIT KUMAR".

#	Booked For	Child Tickets #	Student Tickets #	Regular Tickets #	Total Price	Visit Date
1	SUMIT KUMAR	1	1	1	₹110	2025-04-28
2	SUMIT KUMAR	2	2	2	₹220	2025-04-21
3	SUMIT KUMAR	20	10	2	₹820	2025-04-30
4	SUMIT KUMAR	1	1	1	₹110	2025-04-29
5	SUMIT KUMAR	0	1	1	₹90	2025-04-29
6	SUMIT KUMAR	0	2	0	₹60	0000-00-00
7	SUMIT KUMAR	1	0	0	₹20	2025-04-22
8	SUMIT KUMAR	20	10	0	₹700	2025-04-27
9	SUMIT KUMAR	0	1	0	₹30	2025-04-23
10	SUMIT KUMAR	0	2	0	₹60	2025-05-06

EVENTS FORM PAGE

The screenshot shows a form titled "Add Event" within a web-based administration interface. The form includes fields for "Event Name\*", "Description\*", "Event Duration\*", "Select Image" (with a "Choose File" button), and "Event Start Date\*" (with a date input field showing "dd-mm-yyyy"). At the bottom is a large blue "Add Event" button.

ANIMALS FORM PAGE

**Add Animal**

Given name\* Species Name\*

Date of Birth\* dd-mm-yyyy

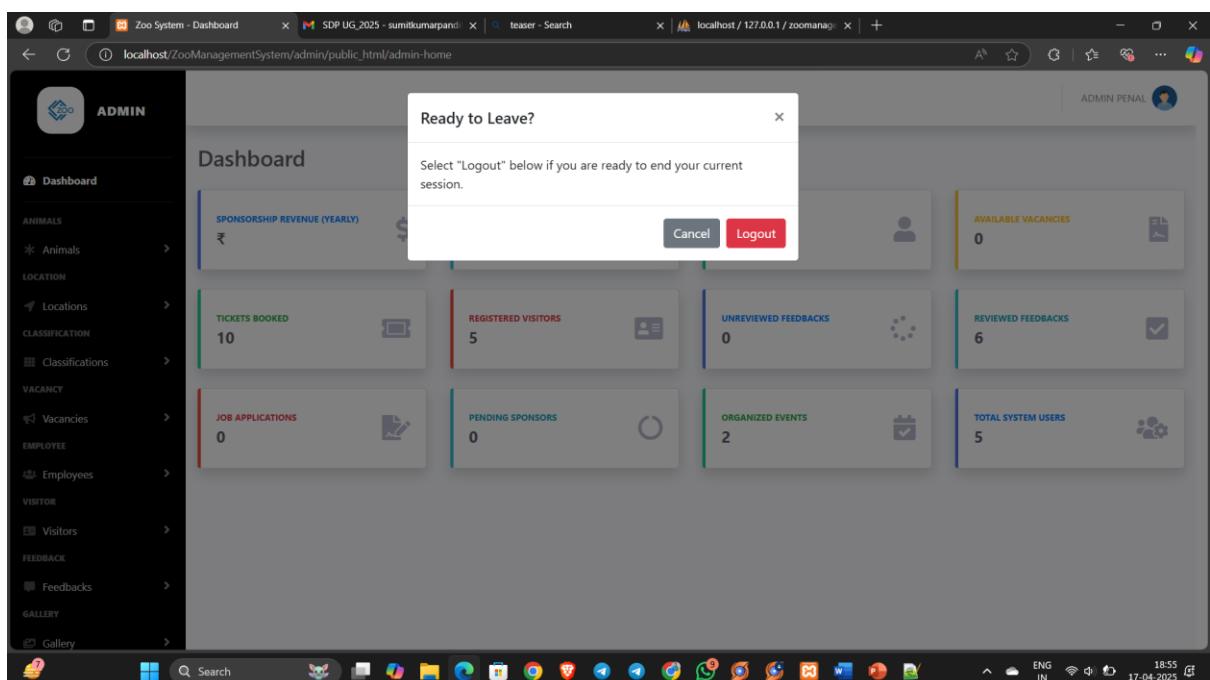
Gender\* Male

Average Lifespan\* Eg: 2 Years, 1.5 Years

Species Category\* Mammals

Location\* The Aviary

Dietary Requirement\*

VALIDATION IN LOG OUT PAGE

## 8. Test Plan and Test Cases

Test Case ID	Test Scenario	Preconditions	Test Steps	Expected Result	Actual Result	Remarks
TC01	Successful User Login	User is registered	1. Open login page 2. Enter valid email and password 3. Click 'Login'	User is redirected to the dashboard without any error message	Pass	No issue found
TC02	Invalid Login Attempt	User is registered	1. Open login page 2. Enter valid email and incorrect password 3. Click "Login"	System should display an error message like "No account found"	Error message displayed as expected	Pass; system functioning correctly.
TC03	View Animal & Details	User is on homepage	1. Click on 'Animals Section' 2. Click on an animal image	Animal details are displayed with image and description	Pass	Works as expected
TC04	Ticket Booking Requires Login	User is not logged in	1. Open the ticket booking page 2. Try to submit the booking form without logging in	The user is shown a message like "You have to be logged in to Book Tickets"	Pass	Ensures authentication before allowing bookings
TC05	Book Zoo Ticket	Booking form is active	1. Go to 'Tickets Section' 2. Enter visitor details 3. Submit form	Booking confirmation message is shown	Pass	Booking saved correctly

**ZOO MANAGEMENT SYSTEM (ZMS)**

TC06	Contact Form Validation	Contact page is available	1. Leave required fields blank 2. Click 'Submit'	System shows validation error messages	Pass	Validation is working fine
TC07	Contact form Requires Login	User is not logged in	1. Open the Contact us page 2. Try to submit the form without logging in	The user is shown to the message like "You have to be logged in to Book Tickets"	Pass	Ensures authentication before allowing submitting the form
TC08	Add Animal Record (Admin)	Admin is logged in	1. Open 'Add Animal' form 2. Fill in details 3. Submit form	Animal is added and visible in list	Pass	Record stored correctly
TC09	Add Location & Classification & Vacancy Record (Admin)	Admin is logged in	1. Open 'Add Location & Classification & Vacancy' form 2. Fill in details 3. Submit form	Location & Classification & Vacancy is added and visible in list	Pass	Record stored correctly
TC10	Admin Login	Admin account exists	1. Open admin login page 2. Enter valid credentials 3. Click login	Admin is redirected to dashboard	Pass	Admin login successful
TC11	Invalid Login	Admin enters wrong credentials	1. Open login page 2. Enter invalid email/password 3. Click login	Error message is displayed "No Account Found"	Pass	Error shown correctly
TC12	Logout Functionality	User is logged in	1. Click on 'Logout' button	User is redirected to login page	Pass	Logout works fine

## **9. Future Enhancement**

### **1. Mobile App Version**

- ❖ **Explanation:** A dedicated mobile application for Android and iOS platforms.
- ❖ **Feature:** Push notifications, offline ticket QR codes, and improved user interface.
- ❖ **Impact:** Enhances user convenience, engagement, and accessibility on the go.

### **2. Multilanguage Support**

- ❖ **Explanation:** Integration of regional languages into the platform.
- ❖ **Feature:** Support for Hindi, Bengali, Tamil, and other Indian languages.
- ❖ **Impact:** Broadens reach and usability for non-English speaking users.

### **3. Animal Adoption Feature**

- ❖ **Explanation:** Allows users to support specific animals virtually.
- ❖ **Feature:** Users can donate to "adopt" an animal and receive updates.
- ❖ **Impact:** Fosters community connection and increases donations.

### **4. Health Records for Animals**

- ❖ **Explanation:** Digital tracking of animal medical history.
- ❖ **Feature:** Logs for vaccinations, treatments, and health checks.
- ❖ **Impact:** Supports better veterinary care and management decisions.

## **5. Volunteer & Internship Module**

- ❖ **Explanation:** A platform for people to contribute through volunteering or internships.
- ❖ **Feature:** Application portal for students and wildlife enthusiasts.
- ❖ **Impact:** Builds a community of supporters and provides educational opportunities.

## **6. Sponsor Dashboard**

- ❖ **Explanation:** Transparent donation tracking system for sponsors.
- ❖ **Feature:** View reports on how contributions are being utilized.
- ❖ **Impact:** Encourages trust and continued financial support.

## **7. Ticket Rescheduling & Cancellation Option**

- ❖ **Explanation:** Flexible ticket management for visitors.
- ❖ **Feature:** Options to reschedule or cancel with partial/full refunds.
- ❖ **Impact:** Improves user satisfaction and encourages advance booking.

## **10. References / Bibliography**

### **Websites for Animal Information and Zoo Research**

- ❖ [A-Z Animals – Animal Facts](#)
- ❖ [National Zoological Park Delhi – Official Website](#)
- ❖ [Bannerghatta Biological Park Safari Info](#)

### **Videos**

- ❖ [YouTube – Zoo Visit Experience](#)

### **Web Development Resources**

- ❖ [GetBootstrap – Official Bootstrap Documentation](#)
- ❖ [Flaticon – Free Icons for Web Use](#)
- ❖ [Bing Images – Animal Image Resources](#)