

Domain and Scope of the Project

This project falls within the domain of national park management and eco-tourism, focusing on improving the organization, accessibility, and digital experience of wildlife conservation areas. The system provides a centralized platform where visitors can explore park information, view wildlife galleries, and conveniently book tour packages online.

In addition to visitor services, the application includes an administrative module that enables staff login and back-office operations, such as managing employees, zones, habitats, enclosures, and tour packages, which are illustrated in the admin dashboard and CRUD interfaces.

The scope of the project covers the design of intuitive user interfaces, implementation of secure authentication mechanisms, and development of dynamic database-driven pages to support data storage and manipulation. By digitizing key functions such as staff management and park resource cataloging, the system aims to reduce manual workloads, minimize errors, and improve operational efficiency.

In the future, the platform can be expanded to include advanced features like wildlife tracking, real-time visitor analytics, online ticket payments, mobile applications, and automated alerts to support sustainable park management and enhanced visitor engagement.

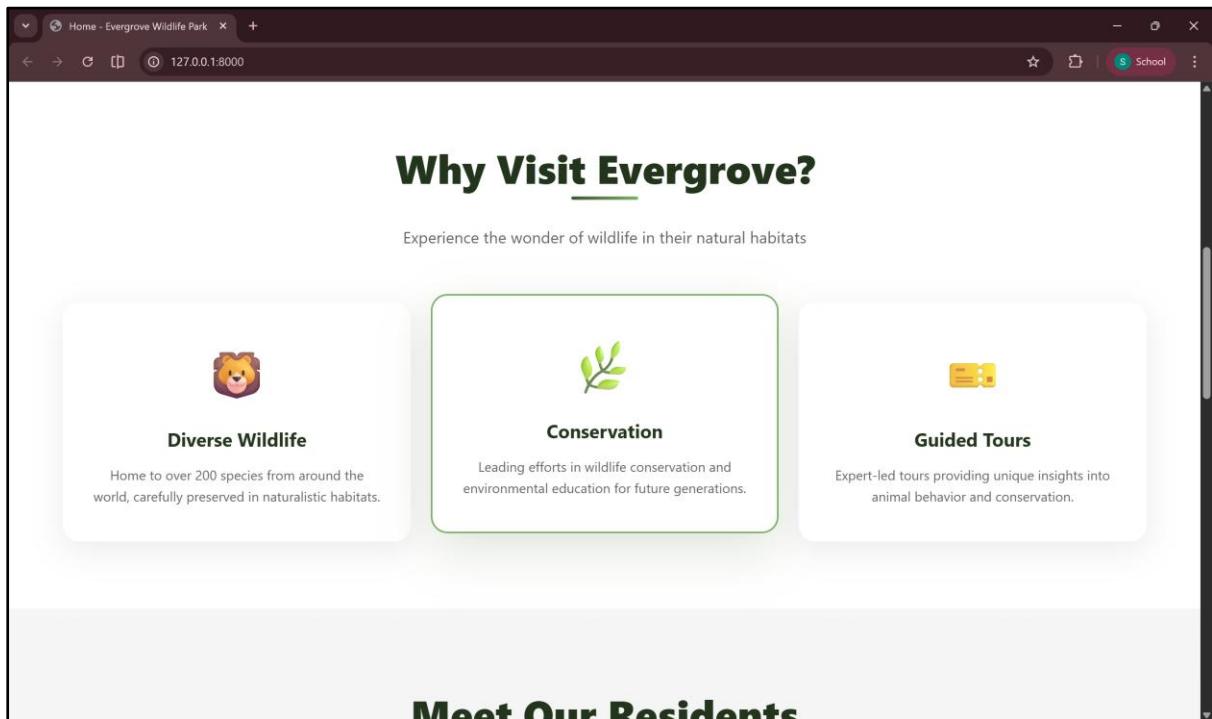
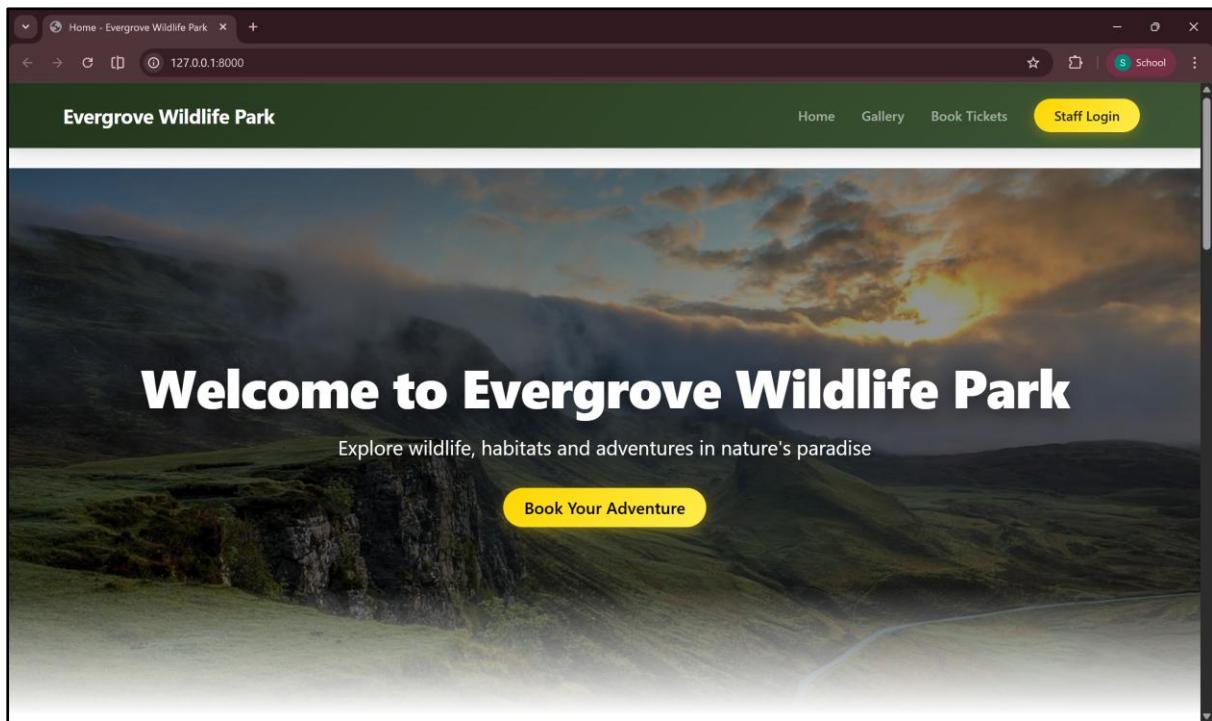
System Users

Visitors: Individuals who access the website to explore the park, view the gallery, and book tickets.

Park Staff: Authorized personnel who log in to manage staff records, zones, habitats, enclosures, tickets, and visitor information.

Home Page

A welcoming landing page featuring a large hero banner with wildlife imagery, a title introducing the national park, a short tagline, and a prominent “Book Tickets” button directing users to the ticket booking flow.



The page also features some of the animals in the national park.

Meet Our Residents

Get to know some of our amazing animals

Simba
Species: Lion
Status: Healthy

Ollie
Species: Otter
Status: Healthy

Ella
Species: Elephant
Status: Healthy

Kiko
Species: Kingfisher
Status: Healthy

Coco
Species: Scarlet Macaw
Status: Healthy

Kiko
Species: Kingfisher
Status: Healthy

Coco
Species: Scarlet Macaw
Status: Healthy

[View Full Gallery](#)

Evergrove Wildlife Park
Explore wildlife, habitats, and adventures in nature's paradise.
Dedicated to conservation, education, and unforgettable experiences.

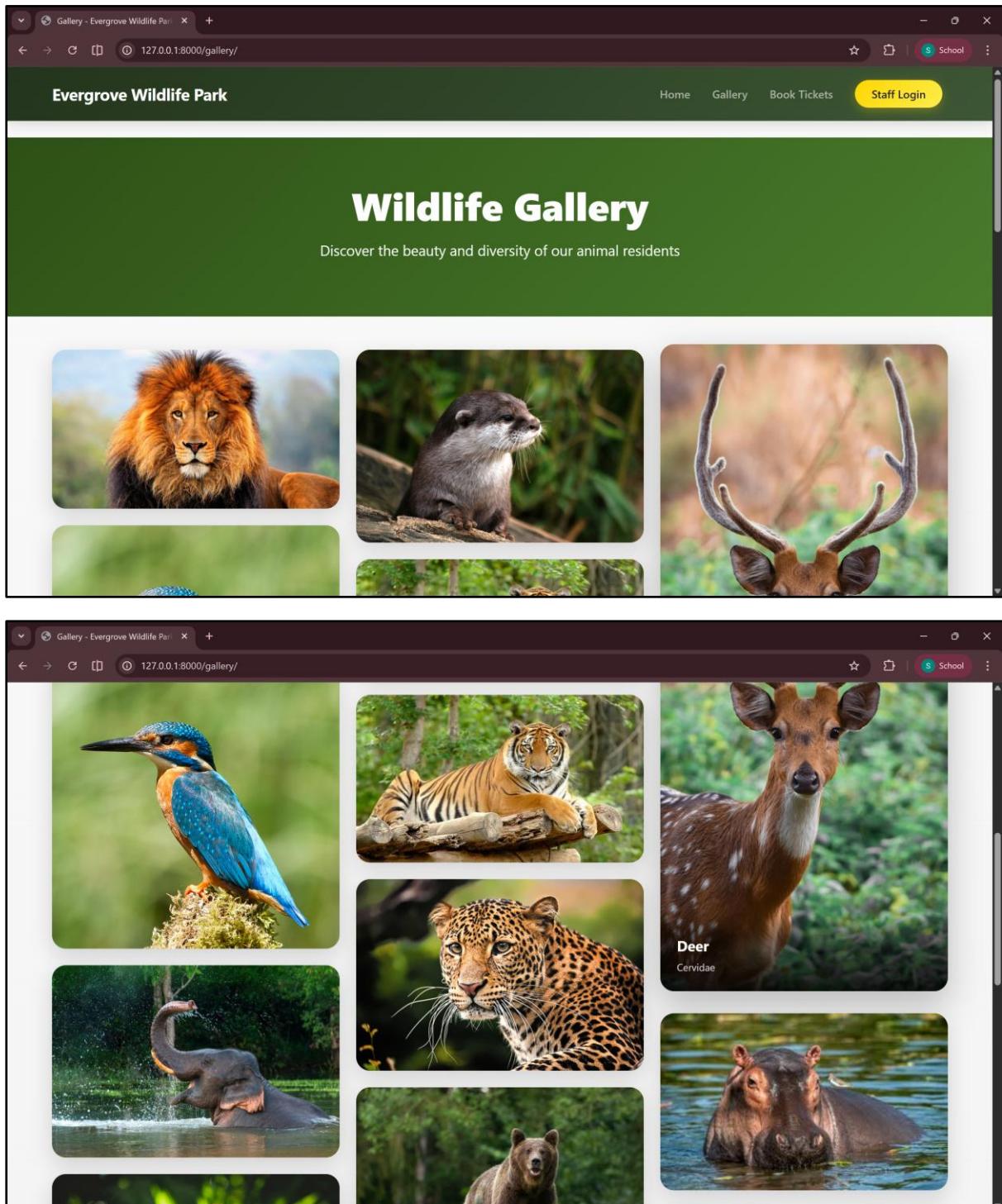
Quick Links
[Home](#)
[Gallery](#)
[Book Tickets](#)
[Staff Login](#)

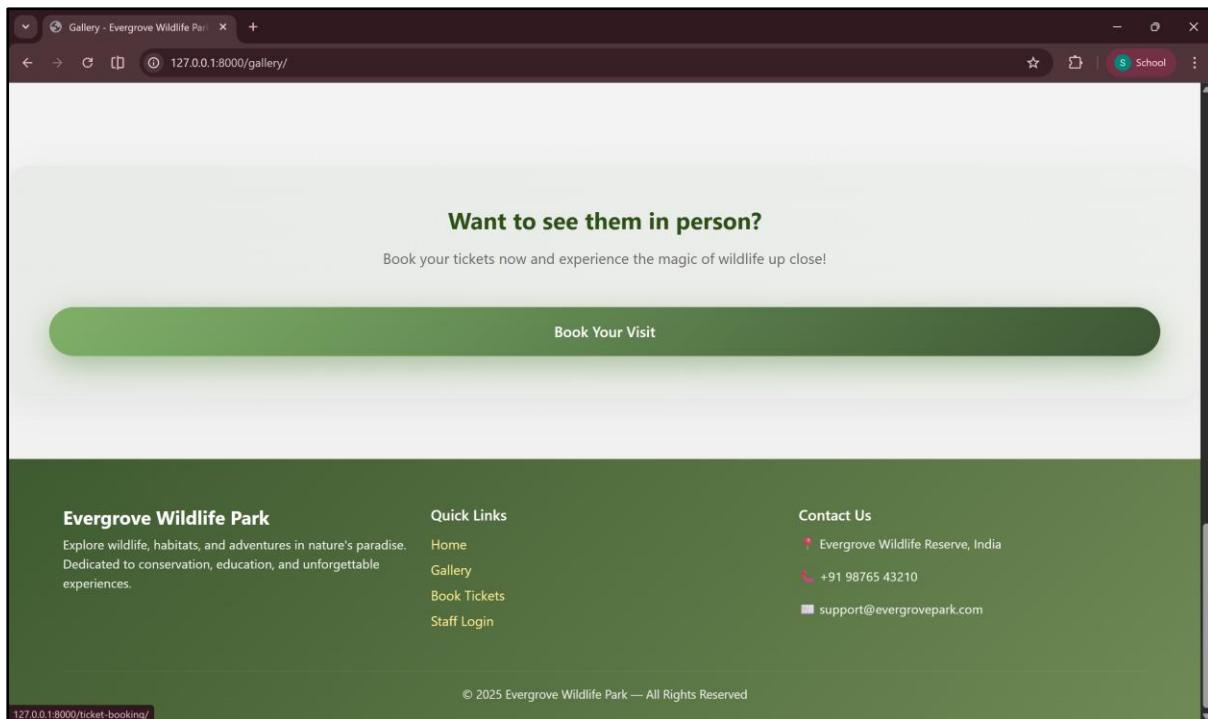
Contact Us
 Evergrove Wildlife Reserve, India
 +91 98765 43210
 support@evergrovewildlifepark.com

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Gallery

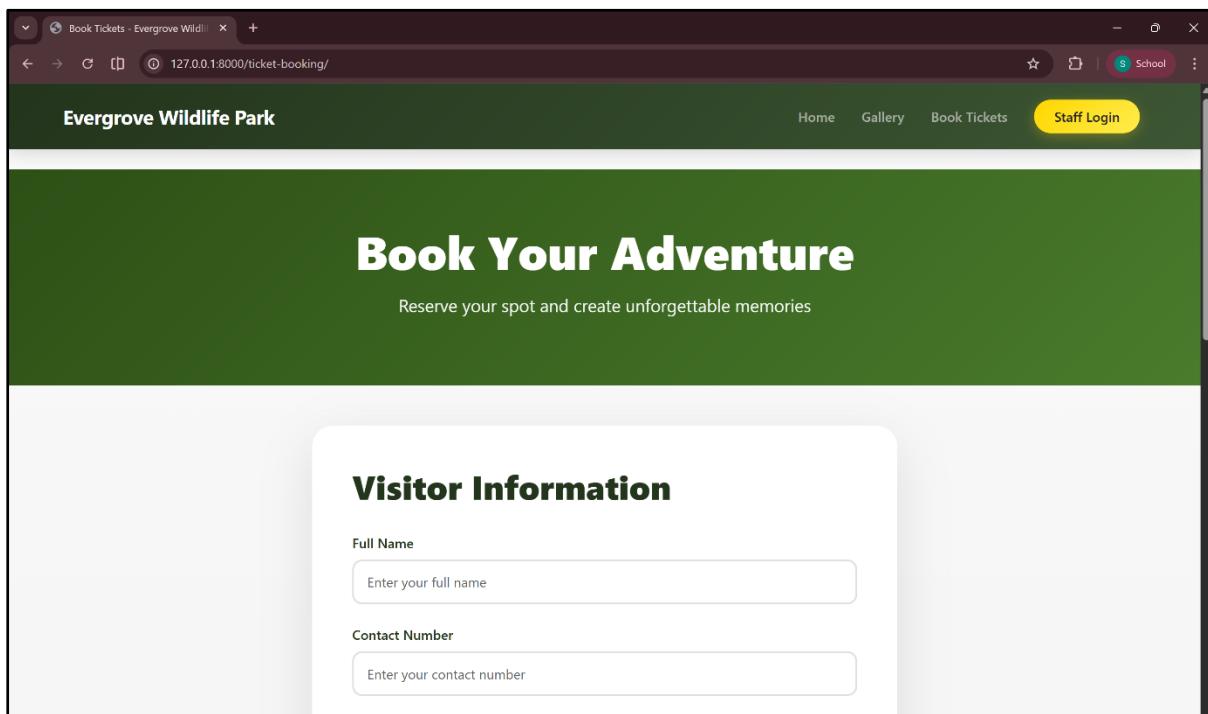
A clean, grid-style page displaying images of animals and habitats from the national park. Each image is presented inside a card layout to showcase the park's wildlife visually.





Ticket Booking Page

A structured form where visitors enter details such as name, contact number, visit date, ticket type, and quantity. The layout is simple and user-friendly to ensure easy ticket booking.



Visitor Information

Full Name

Contact Number

Visit Date

Number of Visitors

* Maximum 5 visitors per ticket

Select Tour Package

Confirm Booking

* Maximum 5 visitors per ticket

Select Tour Package

Package Details
Tropical Adventure — ₹100.00 (120 hours)

Confirm Booking

 **Opening Hours**
9:00 AM - 6:00 PM Daily

 **Easy Booking**
Instant confirmation via email

 **Family Friendly**
Special packages for families

Validations in the ticket booking form.

The name field should only contain alphabets. No numbers are allowed.

Visitor Information

Full Name
123

Contact Number
Only alphabets are allowed in the name field.

Visit Date
12-03-2024

The phone number should contain only 10 digits.

Visitor Information

Full Name
Shreya Nair

Contact Number
123

Visit Date
Please match the requested format.
Please enter a valid 10-digit phone number.

12-03-2024

Number of Visitors

Past dates can't be selected for booking ticket.

Visitor Information

Full Name
Shreya Nair

Contact Number
8097517794

Visit Date
12-03-2024

Number of Visitors
Value must be 05-12-2025 or later.

7

* Maximum 5 visitors per ticket

Select Tour Package

Tour package won't allow more than 5 visitor per ticket.

The screenshot shows a web browser window with a form for booking a tour package. The form fields are as follows:

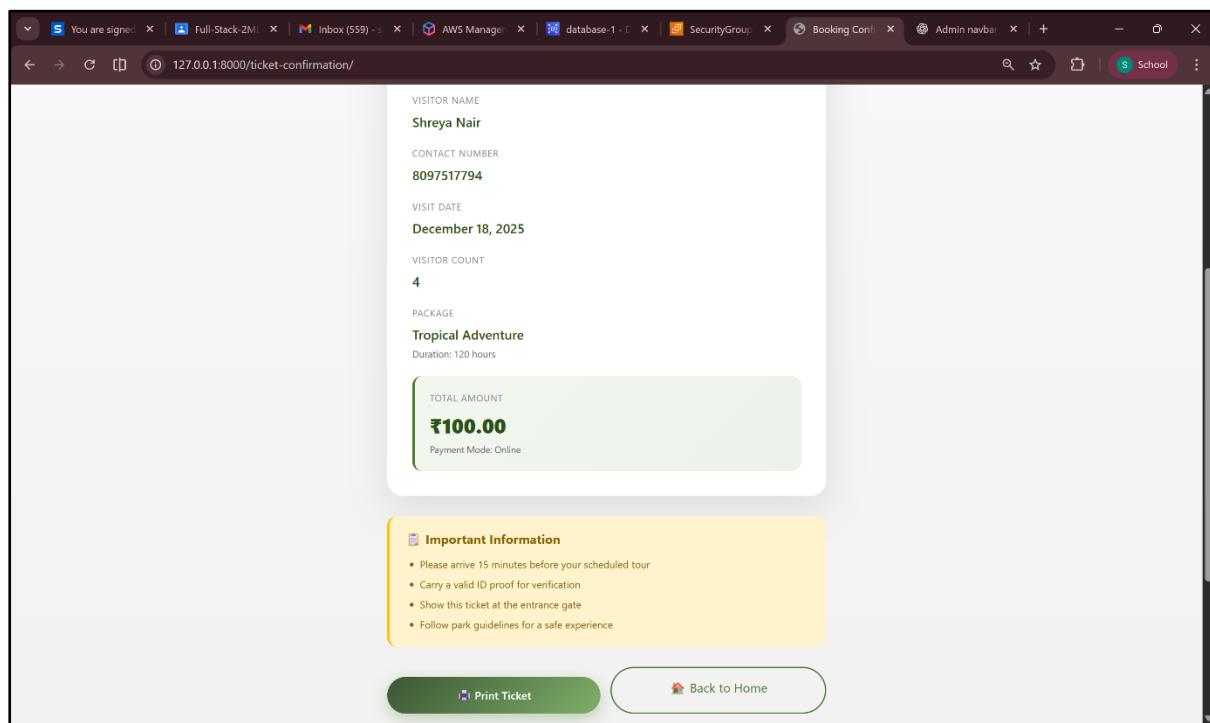
- Full Name: Shreya Nair
- Contact Number: 8097517794
- Visit Date: 18-12-2025
- Number of Visitors: A dropdown menu set to 7, with a validation message below it: "Value must be less than or equal to 5."
- Select Tour Package: A button labeled "Select Tour Package".

A validation error message is displayed: "*** Maximum 5 visitors per ticket** Value must be less than or equal to 5."

Booking confirmation page

The screenshot shows a confirmation page for a booking at Evergrove Wildlife Park. The page includes the following information:

- A large green circular icon with a white checkmark.
- The heading **Booking Confirmed!**
- The subtext "Your adventure awaits at Evergrove Wildlife Park"
- A green header bar with the text "E-Ticket" and "Ticket ID: #630".
- Visitor details:
 - VISITOR NAME: Shreya Nair
 - CONTACT NUMBER: 8097517794
 - VISIT DATE: (not explicitly shown)

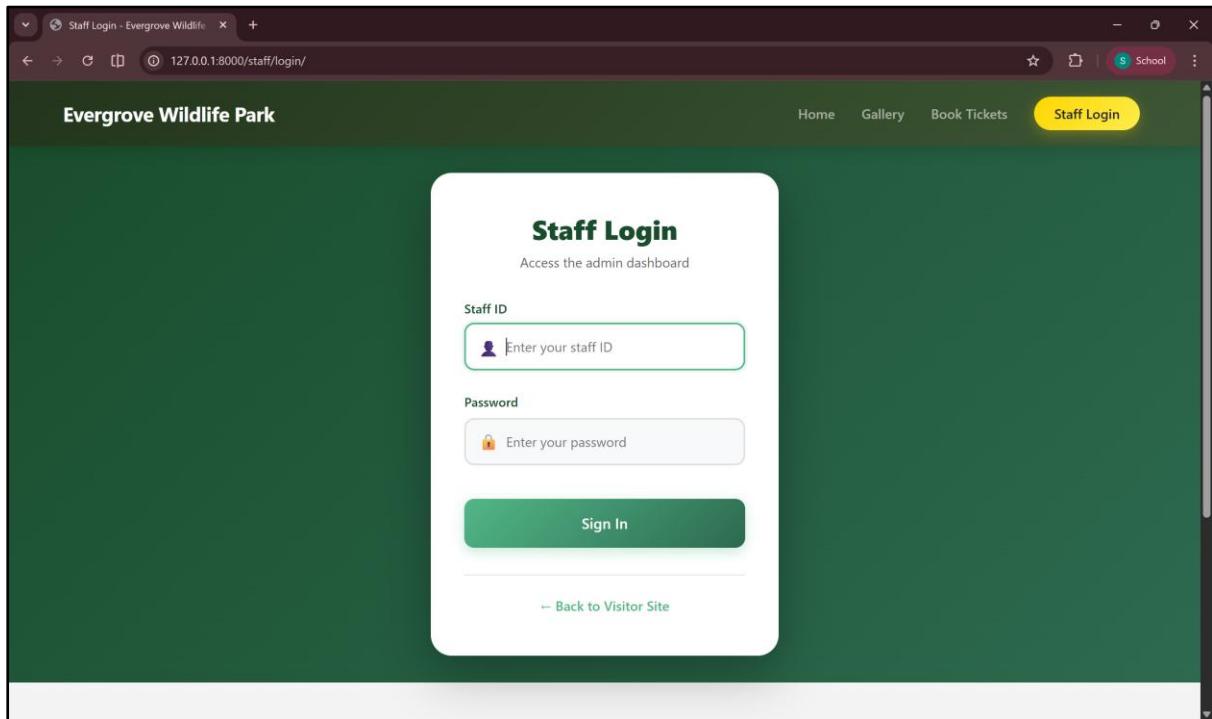


The ticket booked is reflected in the admin ticket list

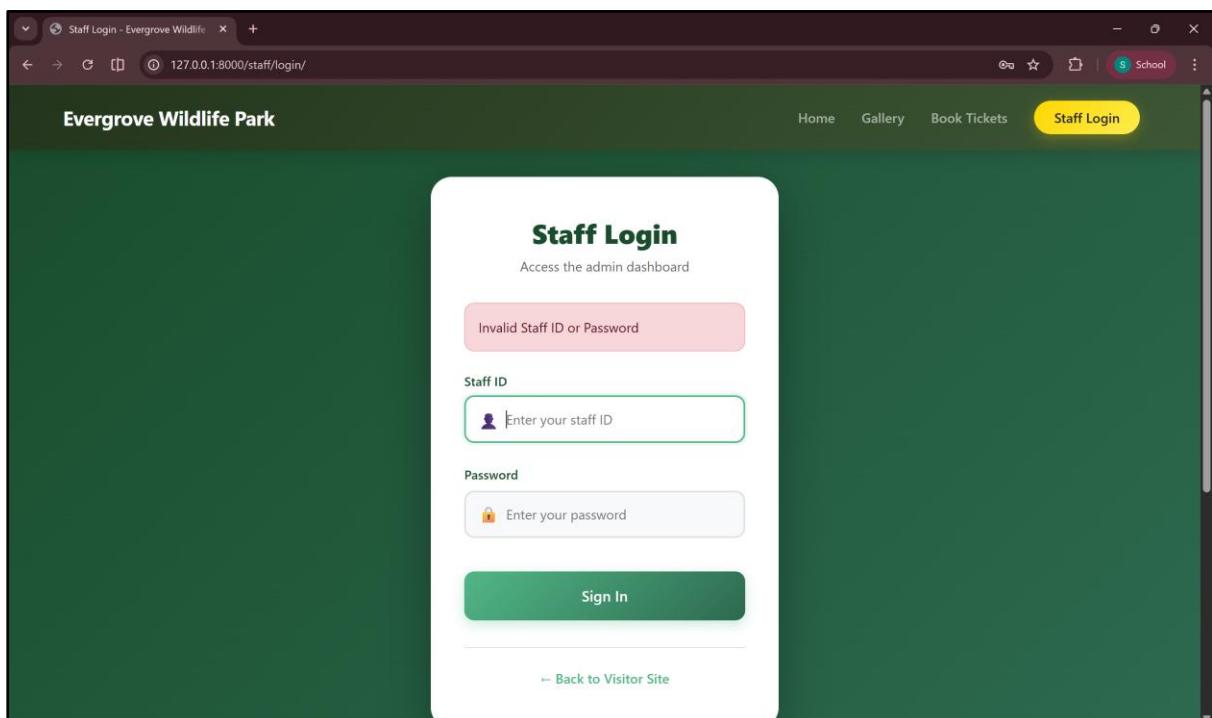
| # | Visitor Name | Date | Package | Count | Status |
|------|--------------|--------------|--------------------|----------|--------|
| #623 | Shreya | Dec 12, 2025 | Tropical Adventure | 1 person | Online |
| #624 | Aysel Thomas | Dec 12, 2025 | Lion Trek | 1 person | Online |
| #625 | sivani | Dec 12, 2025 | Tropical Adventure | 1 person | Online |
| #626 | Shreya | Dec 12, 2025 | Tropical Adventure | 1 person | Online |
| #627 | jyothi | Dec 09, 2025 | Tropical Adventure | 1 person | Online |
| #628 | Alexy | Dec 17, 2025 | Tropical Adventure | 4 people | Online |
| #629 | haritha | Dec 11, 2025 | Wetland Trail | 2 people | Online |
| #630 | Shreya Nair | Dec 18, 2025 | Tropical Adventure | 4 people | Online |

Tip: You can click on visitor names to see their contact details and booking history.

Staff login



The passwords are assigned to each staff member they can login with only that password



Admin dashboard

A central management screen that displays key navigation options like staff management, zones, habitats, enclosures, and other administrative sections. Acts as a hub for all backend operations.

Admin Dashboard - Evergrove

Dashboard Staff Zones Habitats Enclosures Bookings Visitors

AL Alice Supervisor Logout

Dashboard

Active Animals: 5 All healthy and monitored

Species Count: 5 Across all habitats

Total Habitats: 5 Well maintained zones

Tickets Sold: 21 Revenue tracking active

Recent Bookings

- V1 Visitor #22 Ticket ID: TK-0022
- V2 Visitor #23 Ticket ID: TK-0023
- V3 Visitor #24 Ticket ID: TK-0024

Staff Overview

- AL Alice Supervisor Admin
- BO Bob Guide Staff
- CH Charlie Caretaker Staff

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- V1 Visitor #22 Ticket ID: TK-0022
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- V3 Visitor #24 Ticket ID: TK-0024
- V4 Visitor #25 Ticket ID: TK-0025
- V5 Visitor #26 Ticket ID: TK-0026

Staff Overview

- AL Alice Supervisor Admin
- BO Bob Guide Staff
- CH Charlie Caretaker Staff
- DA David Guide Staff

Manage All Staff →

[View All Bookings →](#)

Staff management page

A table listing all staff members along with details such as ID, name, role, and available actions. Buttons for editing or deleting staff members are included for easy administration.

| ID | NAME | ROLE | ACTIONS |
|----|---------|------------|---------|
| 1 | Alice | Supervisor | |
| 2 | Frank | Supervisor | |
| 3 | Bob | Guide | |
| 4 | David | Guide | |
| 5 | Charlie | Caretaker | |
| 6 | Eve | Caretaker | |

Adding a staff to the database. Cannot add staff with same staff id. Hence maintaining integrity of the database

The form is titled "Add Staff" and includes fields for Staff id, Staff name, Staff role, Salary, Sup, and Password. The Staff id field contains the value "7", which is highlighted in red with a tooltip stating "Staff with this Staff id already exists".

| | |
|------------|------------------|
| Staff id | 7 |
| Staff name | Terese |
| Staff role | Caretaker |
| Salary | 24000 |
| Sup | Staff object (2) |
| Password | |

Save Staff Cancel

Added a new staff Terese with staff_id = 10 to the staff

Add Staff

Fill in the staff information below

Staff id
10

Staff name
Terese

Staff role
Caretaker

Salary
24000

Sup
Staff object (2)

Password
.....

Save Staff Cancel

| ID | NAME | ROLE | ACTIONS |
|----|---------|------------|--------------------------------------|
| 1 | Alice | Supervisor | edit trash |
| 2 | Frank | Supervisor | edit trash |
| 3 | Bob | Guide | edit trash |
| 4 | David | Guide | edit trash |
| 5 | Charlie | Caretaker | edit trash |
| 6 | Eve | Caretaker | edit trash |
| 7 | Grace | Caretaker | edit trash |
| 8 | Aysel | Guide | edit trash |
| 9 | Shreya | Caretaker | edit trash |
| 10 | Terese | Caretaker | edit trash |

Updating Staff details. Changed role of David from guide to Caretaker.

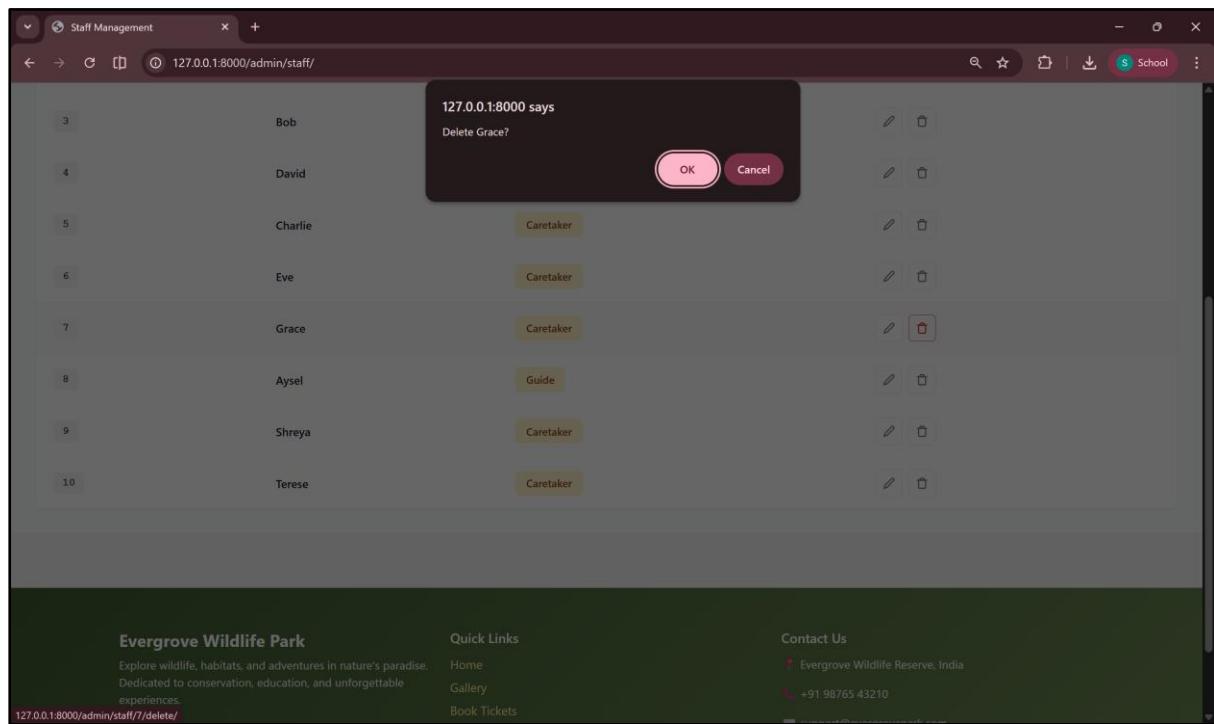
The screenshot shows the 'Edit Staff' form with the following details:

- Staff id: 4
- Staff name: David
- Staff role: Caretaker
- Salary: 20000.00
- Sup: Staff object (1)
- Password: (redacted)

The screenshot shows the 'Staff Management' page displaying a list of staff members:

| ID | NAME | ROLE | ACTIONS |
|----|---------|------------|---------|
| 1 | Alice | Supervisor | |
| 2 | Frank | Supervisor | |
| 3 | Bob | Guide | |
| 4 | David | Caretaker | |
| 5 | Charlie | Caretaker | |
| 6 | Eve | Caretaker | |
| 7 | Grace | Caretaker | |
| 8 | Aysel | Guide | |
| 9 | Shreya | Caretaker | |
| 10 | Terese | Caretaker | |

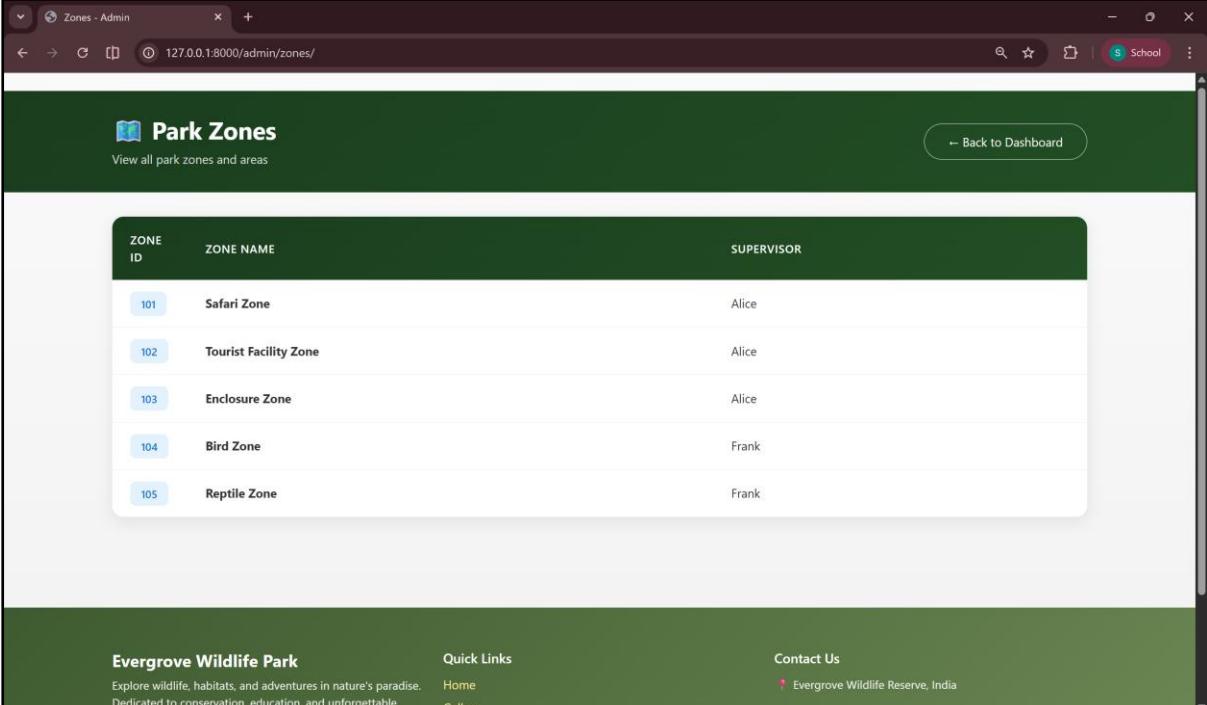
Deleting a staff member. Removed Grace's Details from the database.



| ID | NAME | ROLE | ACTIONS |
|----|---------|------------|---------|
| 1 | Alice | Supervisor | |
| 2 | Frank | Supervisor | |
| 3 | Bob | Guide | |
| 4 | David | Caretaker | |
| 5 | Charlie | Caretaker | |
| 6 | Eve | Caretaker | |
| 8 | Aysel | Guide | |
| 9 | Shreya | Caretaker | |
| 10 | Terese | Caretaker | |

Zone List

Shows a list of administrative zones the park is divided into



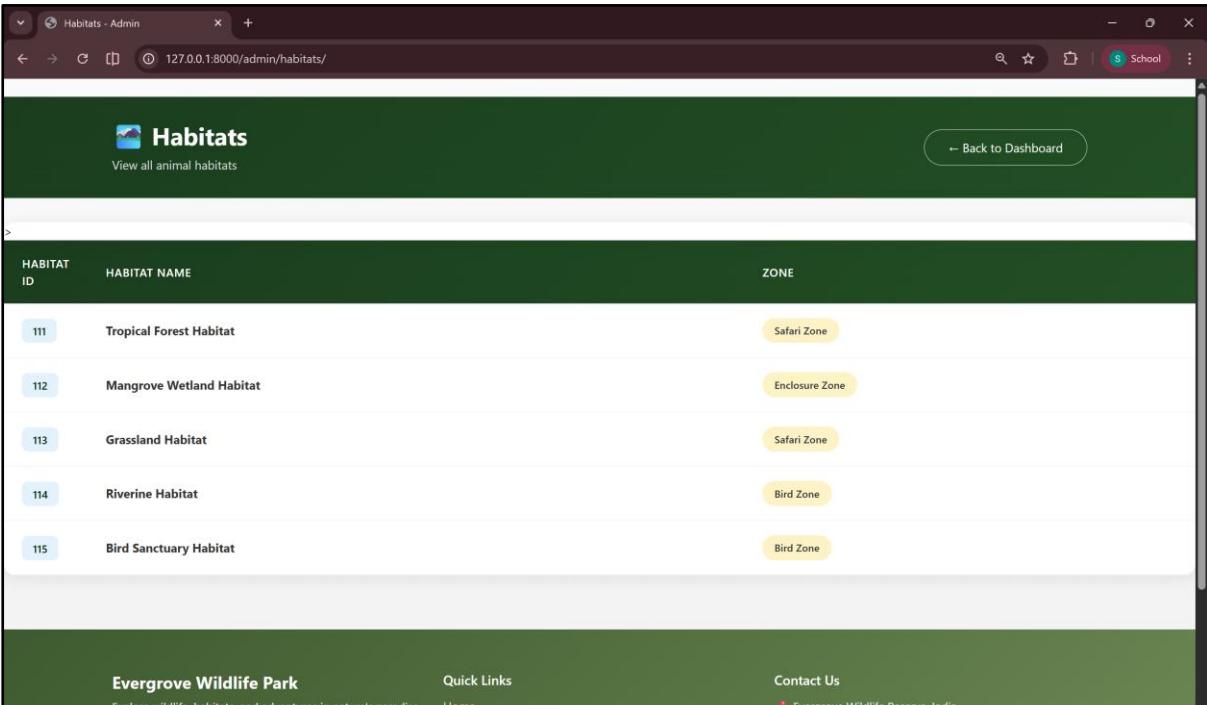
The screenshot shows a web-based administrative interface for managing park zones. The title bar reads "Zones - Admin" and the URL is "127.0.0.1:8000/admin/zones/". The main content area is titled "Park Zones" with the sub-instruction "View all park zones and areas". Below this is a table with the following data:

| ZONE ID | ZONE NAME | SUPERVISOR |
|---------|-----------------------|------------|
| 101 | Safari Zone | Alice |
| 102 | Tourist Facility Zone | Alice |
| 103 | Enclosure Zone | Alice |
| 104 | Bird Zone | Frank |
| 105 | Reptile Zone | Frank |

The footer of the page includes the "Evergrove Wildlife Park" logo and tagline, "Quick Links" (Home, Gallery), and "Contact Us" information.

Habitat list

Shows a list of Habitats in the park.



The screenshot shows a web-based administrative interface for managing animal habitats. The title bar reads "Habitats - Admin" and the URL is "127.0.0.1:8000/admin/habitats/". The main content area is titled "Habitats" with the sub-instruction "View all animal habitats". Below this is a table with the following data:

| HABITAT ID | HABITAT NAME | ZONE |
|------------|--------------------------|----------------|
| 111 | Tropical Forest Habitat | Safari Zone |
| 112 | Mangrove Wetland Habitat | Enclosure Zone |
| 113 | Grassland Habitat | Safari Zone |
| 114 | Riverine Habitat | Bird Zone |
| 115 | Bird Sanctuary Habitat | Bird Zone |

The footer of the page includes the "Evergrove Wildlife Park" logo and tagline, "Quick Links" (Home, Gallery), and "Contact Us" information.

Enclosure List

Shows a list of enclosures in the national park

The screenshot shows a web-based administration interface for managing animal enclosures. The top navigation bar includes a back button, forward button, search icon, and a 'School' tab. The main title is 'Enclosures' with a subtitle 'View all animal enclosures'. A 'Back to Dashboard' link is visible in the top right. The central content area displays a table with columns: 'ENCLOSURE ID', 'ENCLOSURE NAME', and 'HABITAT'. The data rows are:

| ENCLOSURE ID | ENCLOSURE NAME | HABITAT |
|--------------|----------------------|--------------------------|
| 501 | Lion Enclosure | Tropical Forest Habitat |
| 502 | Otter Enclosure | Mangrove Wetland Habitat |
| 503 | Elephant Enclosure | Grassland Habitat |
| 504 | Kingfisher Enclosure | Riverine Habitat |
| 505 | Parrot Aviary | Bird Sanctuary Habitat |

At the bottom, there's a footer with the text 'Evergrove Wildlife Park', 'Explore wildlife, habitats, and adventures in nature's paradise.', 'Quick Links Home', 'Contact Us', and 'Evergrove Wildlife Reserve, India'.

Ticket List

Shows a list of bookings done.

The screenshot shows a web-based administration interface for managing visitor bookings. The top navigation bar includes a back button, forward button, search icon, and a 'School' tab. The main title is 'Ticket Bookings' with a subtitle 'View all visitor bookings and tickets'. A 'Back to Dashboard' link is visible in the top right. The central content area displays a summary message 'Total Bookings: 21 All ticket bookings in the system' and a table with columns: 'TICKET ID', 'VISITOR NAME', 'VISIT DATE', 'PACKAGE', 'VISITOR COUNT', and 'PAYMENT'. The data rows are:

| TICKET ID | VISITOR NAME | VISIT DATE | PACKAGE | VISITOR COUNT | PAYMENT |
|-----------|--------------|--------------|--------------------|---------------|-------------|
| #610 | John Doe | Dec 01, 2025 | Tropical Adventure | 2 people | Credit Card |
| #611 | Jane Smith | Dec 05, 2025 | Wetland Trail | 1 person | Cash |
| #612 | Mike Brown | Dec 10, 2025 | Lion Trek | 3 people | UPI |
| #613 | Emma White | Dec 12, 2025 | Bird Watch | 1 person | Credit Card |
| #614 | Liam Green | Dec 15, 2025 | Reptile Expedition | 2 people | Cash |
| #615 | Aditi Sharma | Dec 01, 2025 | Wetland Trail | 2 people | Credit Card |

Visitors List

Shows a list of registered visitors.

The screenshot shows a web-based visitor management application. At the top, there's a header bar with a back arrow, a refresh icon, and a search bar. The URL in the address bar is 127.0.0.1:8000/admin/visitors/. The main title is "Visitor Management" with a subtitle "View all registered visitors". A prominent callout box displays "Total Visitors: 23" and "All registered visitors in the system". Below this is a search input field with placeholder text "Search visitors by name or contact...". The main content area is a table with the following columns: VISITOR ID, NAME, CONTACT NUMBER, and ACTIONS. The table contains three rows of data:

| VISITOR ID | NAME | CONTACT NUMBER | ACTIONS |
|------------|------------|----------------|-----------------------|
| #121 | John Doe | 📞 9876543210 | <button>View</button> |
| #122 | Jane Smith | 📞 9123456780 | <button>View</button> |
| #123 | Mike Brown | 📞 9988776655 | <button>View</button> |

Workflow of the Website

The website operates through two primary modules: the **visitor-facing interface** and the **admin management system**. Visitors begin their journey on the Home Page, where they are introduced to the national park through a hero banner, brief description, and highlighted animals. From here, they can explore the Gallery to view images of wildlife and habitats, or proceed directly to the Ticket Booking section.

The booking process is guided through a structured form that collects essential visitor details such as name, contact number, visit date, ticket type, and number of visitors. Built-in validations ensure data accuracy only alphabetic names, valid 10-digit phone numbers, future dates, and a maximum of five visitors per ticket. Once the form is submitted successfully, users are taken to a confirmation page summarizing their booking, and the information is simultaneously stored and reflected on the admin side.

For internal operations, staff members log in through a dedicated login page, after which they gain access to the Admin Dashboard. This dashboard serves as the central hub for managing park data. Key functionalities include:

- **Staff Management** – adding new staff, updating roles, and removing records where necessary.
- **Zone, Habitat, and Enclosure Lists** – allowing administrators to view and maintain park structural information.
- **Ticket and Visitor Lists** – providing real-time access to all bookings and registered visitors for operational oversight.

This workflow ensures that visitors have a smooth booking experience while administrators can efficiently manage the backend through organized, database-driven interfaces.

Conclusion

This project successfully integrates essential functionalities required for modern national park management by combining intuitive user interfaces with robust backend operations. The platform enhances visitor engagement through features like galleries and seamless ticket booking, while simultaneously supporting administrators with secure authentication and comprehensive management tools for staff, zones, habitats, enclosures, and bookings.

Digitizing these processes minimizes manual errors, improves data accuracy, and streamlines daily operations within the park. The system promotes efficiency, transparency, and ease of use, making it a valuable digital solution for eco-tourism environments.

With potential future enhancements—such as online payments, real-time analytics, wildlife tracking, and mobile application integration—the platform can evolve into a full-fledged management ecosystem that strengthens conservation efforts and enriches the visitor experience.