A

Semester Project Report

on

"NATIONAL PARK'S "

In partial fulfilment of requirements for the degree of

Master of Computer Application

Submitted By

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Under the Guidance of

Prof. P. A. Kardile

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Department of Master of Computer Application

[2023-24]

CERTIFICATE

This is to certify that the Semester Project entitled "**National Park's** " has been carried out by team:

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Under the guidance of **Prof. P. A. Kardile** in partial fulfillment of the requirement for the degree of Master of Computer Application (Semester-I) of Dr. Babasaheb Ambedkar Technological University, Lonere during the academic year 2023-24.

Date:

Place: Shirpur

Guide	Semester Project Coordinator
Prof. P. A. Kardile	Prof. P. A. Kardile

H.O.D.	Director
Prof. Dr. D. R. Patil	Prof. Dr. J. B. Patil

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Project Team:

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ABSTRACT

The National Park System is like a big collection of special places in the United States that are kept safe and sound. These places have cool landscapes, plants, animals, and important stories from the past. The idea is to protect nature and history so that everyone, now and in the future, can enjoy them.

Established in 1916, the National Park System includes places like the Grand Canyon, Yellowstone, and others—over 84 millio n acres in total. These places are not just for looking at; they're like giant classrooms where you can learn about the environment, animals, and the history of the country.

These parks are also places to have fun! You can go hiking, camping, or just enjoy being outside. Many of them are so famous that they represent the beauty and uniqueness of the United States.

It's not always easy to keep these places safe. There are challenges like climate change and too many people visiting. Park managers and the public need to work together to make sure these special places stay amazing for a long, long time.

"National Park's"

Chapter 1
INTRODUCTION

The National Park Project is an exciting and crucial initiative dedicated to creating special places where nature's wonders can thrive and be enjoyed by everyone. Imagine vast, untouched landscapes where trees, plants, and animals live in harmony – that's what the National Park Project is all about. These parks are like giant outdoor playgrounds where people can explore, learn, and be inspired by the beauty of the natural world.

Our goal is to set aside specific areas of land, called national parks, where the environment remains undisturbed by human activities like buildings and factories. Instead, these places become safe havens for a wide variety of plants and animals. It's like creating a giant sanctuary for nature! But it's not just about protecting plants and animals; it's also about giving people like you and me a chance to connect with the outdoors. You can hike through forests, spot birds, or even set up a tent and sleep under the stars.

The National Park Project is a way for all of us to appreciate and take care of the incredible world we live in. So, get ready to explore, learn, and make memories in these special places we're preserving for generations to come!

The National Park System in the United States is like a giant collection of amazing places that are kept safe for everyone to enjoy. It all started in 1916 when the government decided to protect these special places, making sure they stay beautiful for today and tomorrow. Imagine over 400 unique spots, covering more than 84 million acres – that's a lot of nature to love!

These places aren't just any spots; they are like nature's classrooms, teaching us about animals, plants, and the history of the country. From the famous Grand Canyon to the bubbling geysers of Yellowstone, each park has its own story to tell. They're like big, open-air museums, but you can touch, feel, and experience everything!

The National Park System isn't only about keeping things safe; it's also about having fun. People from all over visit these places to go on adventure–   hiking,   camping,   and   exploring   the   great outdoors.   They're   like playgrounds for nature lovers!

These parks are crucial for protecting plants and animals that might be rare or in danger. They're like safe havens for wildlife. And it's not just about today – the parks are here for tomorrow too, so our kids and their kids can enjoy them just like we do.

It's not always easy. Challenges like climate change and too many visitors can be tough, but the National Park System is like a guardian, figuring out ways to keep these spots awesome. So, whether you're exploring the ancient wonders of Mesa Verde or gazing at the stars in Acadia, the National Park System is a big, beautiful gift that keeps on giving. It's a celebration of nature, history, and the joy of being outdoors!

1.1 Objective

- The proposed National Park Project System is a plan to create and manage special areas where nature can thrive and people can enjoy the outdoors.

- The idea is to carefully choose specific pieces of land and designate them as national parks.

- These parks will be like natural wonders, full of diverse plants and animals.

- The system aims to keep these areas free from things like buildings and pollution, so the environment stays healthy and balanced.

- The system wants to make sure everyone has the chance to explore and have fun in these parks.

- The system wants to make sure everyone has the chance to explore and have fun in these parks.

- The National Park Project System is like a big plan to take care of our planet and make sure there are special places for nature and people to thrive together.

- The goal is to safeguard the environment, plants, and animals, allowing people to enjoy and learn about the beauty of nature.

1.2 Scope of Project

The national park system has a broad scope that extends to preserving natural wonders, safeguarding biodiversity, and offering recreational and educational opportunities. These protected areas serve as havens for diverse ecosystems, ensuring the conservation of unique plant and animal species. National parks also play a crucial role in maintaining ecological balance and safeguarding natural resources.

Moreover, these parks provide spaces for people to connect with nature, promoting physical and mental well-being through outdoor activities such as hiking, bird watching, and camping. They contribute to environmental education by raising awareness about the importance of conservation and sustainable practices.

In addition to their ecological and educational roles, national parks stimulate local economies by attracting tourists. The tourism industry generates revenue for nearby communities through accommodations, restaurants, and other services. This economic impact, coupled with job creation within the parks, enhances the overall well-being of the regions surrounding these protected areas.

In essence, the scope of the national park system encompasses environmental conservation, biodiversity protection, outdoor recreation, education, and economic benefits for local communities, making it a vital component of a country's commitment to preserving natural treasures for present and future generations.

Chapter 2
SYSTEM ANALYSIS

2.1 Existing System

The existing national park system is a network of special places in a country that are set aside and protected because of their natural beauty, unique ecosystems, or historical significance. These areas are managed by the government to conserve wildlife, preserve natural landscapes, and provide opportunities for people to enjoy outdoor activities like hiking and camping. The goal is to balance conservation with public access and education. Each national park has its own rules and regulations to ensure that these special places are preserved for future generations to experience and appreciate.

2.2 Proposed System: -

A proposed national park system is a plan to create a network of protected areas within a country. The aim is to set aside and preserve certain areas that are rich in natural beauty, unique ecosystems, or historical significance. These proposed national parks would be managed by the government to ensure the conservation of wildlife, protection of natural landscapes, and the provision of opportunities for people to enjoy outdoor activities like hiking and camping.

The goal is to strike a balance between preserving these special places and allowing the public to access and appreciate them. Creating a national park system involves careful planning, considering factors such as the ecological value of the areas, potential benefits for local communities, and the enjoyment and education of visitors. The proposed system may also aim to contribute to the country's environmental goals by promoting sustainability and raising awareness about the importance of preserving natural resources.

Chapter 3
SYSTEM SPECIFICATION

3.1 Hardware Requirement

Processor: - 11th Gen Intel(R) Core (TM) i5-1135G7 @ 2.40GHz 2.42 GHz

RAM: - 8.00 GB (7.65 GB usable)

System Type: - 64-bit operating system, x64-based processor

3.2 Software Requirement

Window 10 MySQL Server

Apache tomcat 10

3.3 Use of Technology

HTML, CSS, JS as front end.

PHP as Middel Ware.

My SQL Server as back end.

Chapter 4
FEASIBILITY STUDY

4.1 Economical feasibility

The economic feasibility of a national park system refers to whether it makes sense, financially, to establish and maintain a network of protected areas within a country. In simpler terms, it involves evaluating whether the benefits of having national parks, such as preserving biodiversity, providing recreational opportunities, and attracting tourists, outweigh the costs associated with managing and maintaining these protected areas. It considers the overall economic impact, including revenue from tourism, job creation, and the value of ecosystem services provided by the parks. If the positive economic aspects outweigh the expenses, the national park system can be considered economically feasible.

4.2 Technical feasibility

The technical requirement for the system is economic and it does not use any other additional Hardware and software. Technical evaluation must also assess whether the existing systems can be upgraded to use the new technology and whether the organization has the expertise to use it.

Install all upgrades framework into the .Net package supported widows-based application

4.3 Operational feasibility

The system working is quite easy to use and learn due to its simple but attractive interface. User requires no special training for operating the system. Technical performance includes issues such as determining whether the system can provide the right information for the Department personnel student details.

Chapter 5
PROJECT DESCRIPTION

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5.1 Problem Definition

National parks are in trouble. They're facing problems like damage to the environment, not taking care of resources properly, and visitors not having a good time. Things like losing habitats, invasive species, and not enough facilities are making the situation worse. Too many people visiting popular parks is causing stress on the environment and making visitors unhappy. We urgently need a plan that looks at the big picture to make national parks better. This plan should take care of the environment and make sure visitors have a great experience at the same time.

5.1 Project Overview

National Park's basically has two main modules for proper functioning

5.1.1 Admin module is having rights for change the information of park's.

5.1.2 User has a right of gaining information of National Park's.

Chapter 6
IMPLEMENTATION

Implementing the national park system with several steps across different technologies. Here's a breakdown of the implementation process using PHP for backend logic, SQL for database management, and CSS for styling:

6.1: Database Design and Setup (SQL)

Schema Design: Create tables for Users, Suggestion. Include fields such as useremail_id, Password, etc.

Populate Database: Insert sample questions, topics, and their respective weightage into the database tables.

6.2: PHP Backend Development

- **Database Connectivity:**

Utilize PHP's built-in functions, such as mysqli_connect or PDO, to establish connections with the SQL database. Develop classes and methods that encapsulate database operations, facilitating seamless interactions. Implement functions to retrieve and manipulate data, ensuring efficient communication between the web application and the database.

- **Algorithm Development:**

Devise an algorithm in PHP that intelligently selects questions for a paper, considering factors like topic weightage and question marks. Develop a system that ensures diversity in the chosen questions, avoids unnecessary repetition, and adheres to specified weightage criteria.

6.3 : Frontend Development (HTML, CSS)

- **Create   User   Interface:**

    Design   HTML forms to capture user preferences   such as   email_id,
    Suggestion , and other constraints

    .Style the interface using CSS to make it user-friendly and visually appealing.

Chapter 7
MODULE DESCRIPTION

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7.1 Admin Module

The system should be designed in such a way that only authorized people should be allowed to access some particular modules. The records should be modified by only administrators and no one else.

The user interface should be consistent so that the user can handle the application with ease and speed. The application should be visually, conceptually clear.

7.1.1 User Details

In this module deals with the Information of parks and user can give the suggestion's.

7.1.2 Admin Details

> 7.1.2.1   The Admin can see the suggestion of give by the user's.
>
> 7.1.2.2   It provides the facility to have a change the imformation of park's.
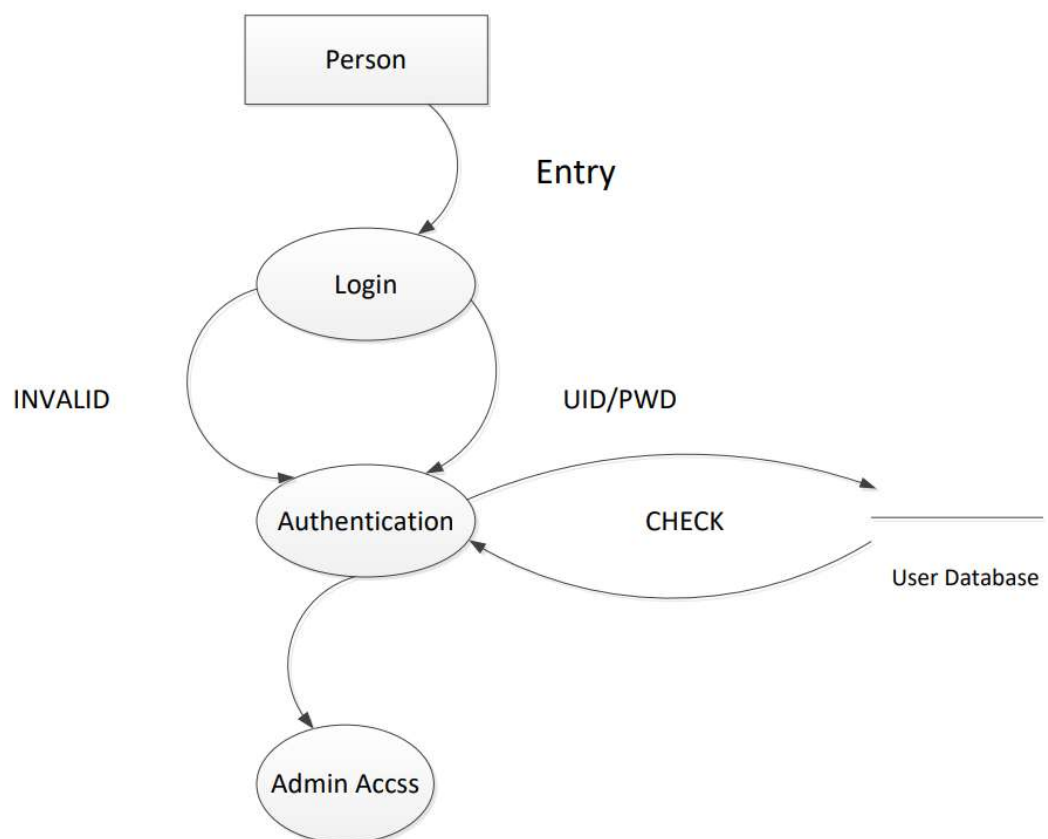
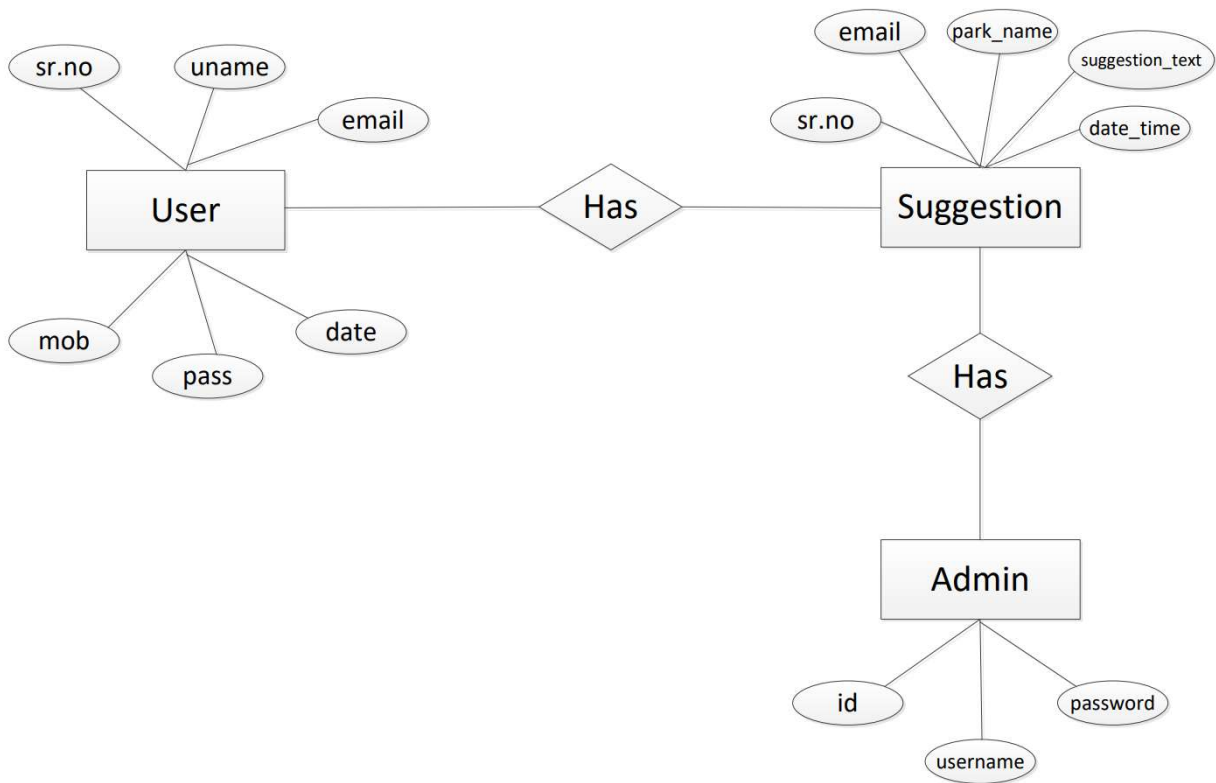# Chapter 8
SYSTEM FLOW DIAGRAM

8.1 Data flow Diagram

8.1.1 DFD level 0
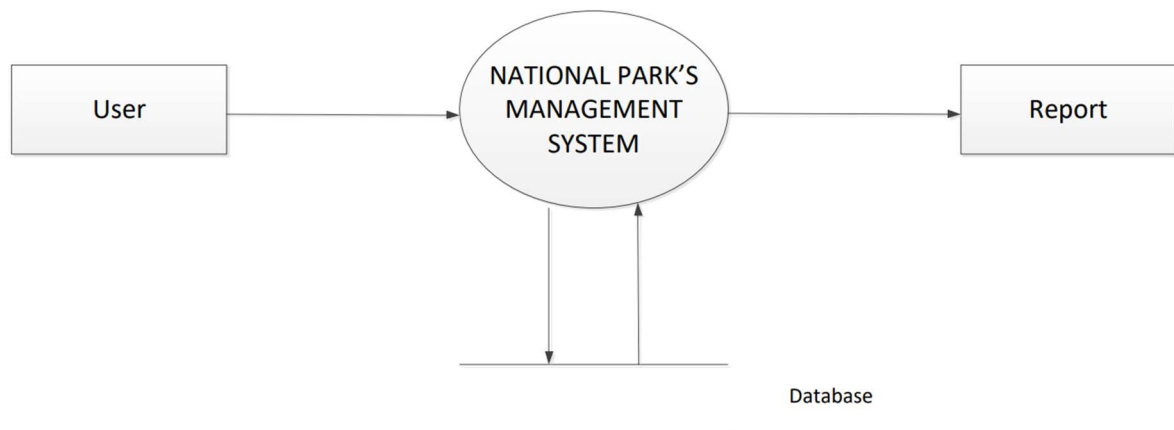
8.1.2 DFD level 1

8.1.3 ER Diagram

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Chapter 9
DATABASE DESIGN

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9.1- User Table

				srno	uname	email	mob	pass	date
☐	🖉 Edit	Copy	⊝ Delete	1	Umesh	umesh@mail.com	1234567890	123	2023-12-12 18:16:57
☐	🖉 Edit	Copy	⊝ Delete	2	Rohit	rohitkoli@mail.com	1234567890	123	2023-12-12 18:29:31
☐	🖉 Edit	Copy	⊝ Delete	3	Rohit	rohit@mail.com	1234567890	123	2023-12-13 00:26:37

Showing rows 0 - 2 (3 total, Query took 0.0006 seconds.)

SELECT * FROM `user`

9.2- Suggestions Table

Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

SELECT * FROM `suggestions`

srno	email	park_name	suggestion_text	date_time
NULL	123	Tadoba_Park	HEllo THis is First Suggestions !	2023-12-13 18:14:31
3	rohit@mail.com	hikjoi	hnolnkf	2023-12-13 18:35:19
3	rohit@mail.com	tadoba national park	hey these is a suggestion.....!	2023-12-13 20:45:54

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9.3- Admin Table

Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

SELECT * FROM `admin_table`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ⌄ Filter rows: Search this table   Sort by key: None ⌄

Extra options

				id	username	password
☐	🖉 Edit	⌗ Copy	⊘ Delete	1	admin	$2y$10$5e0J/cOWVR8kHZ1mKnPCau4S06rfjaMiWzEz2Vi11wD...
☐	🖉 Edit	⌗ Copy	⊘ Delete	2	admin	$2y$10$RO.URb81eqtkWKx4SJxOOe5YUgNidgcB9SAlqmEil.V...
☐	🖉 Edit	⌗ Copy	⊘ Delete	3	admin	$2y$10$SnxE9ETJO9Uxedb/K3FvK.YqRZjLQoHF37z/dHi9RN4...
☐	🖉 Edit	⌗ Copy	⊘ Delete	4	umesh	$2y$10$y4tUERBBM0KqX2JLbIaMkuF7T4gv3lluy9/Pqjjb2eq...

"National Park's"

Chapter 10
SCREENSHOTS

10.1 fig. Home Page
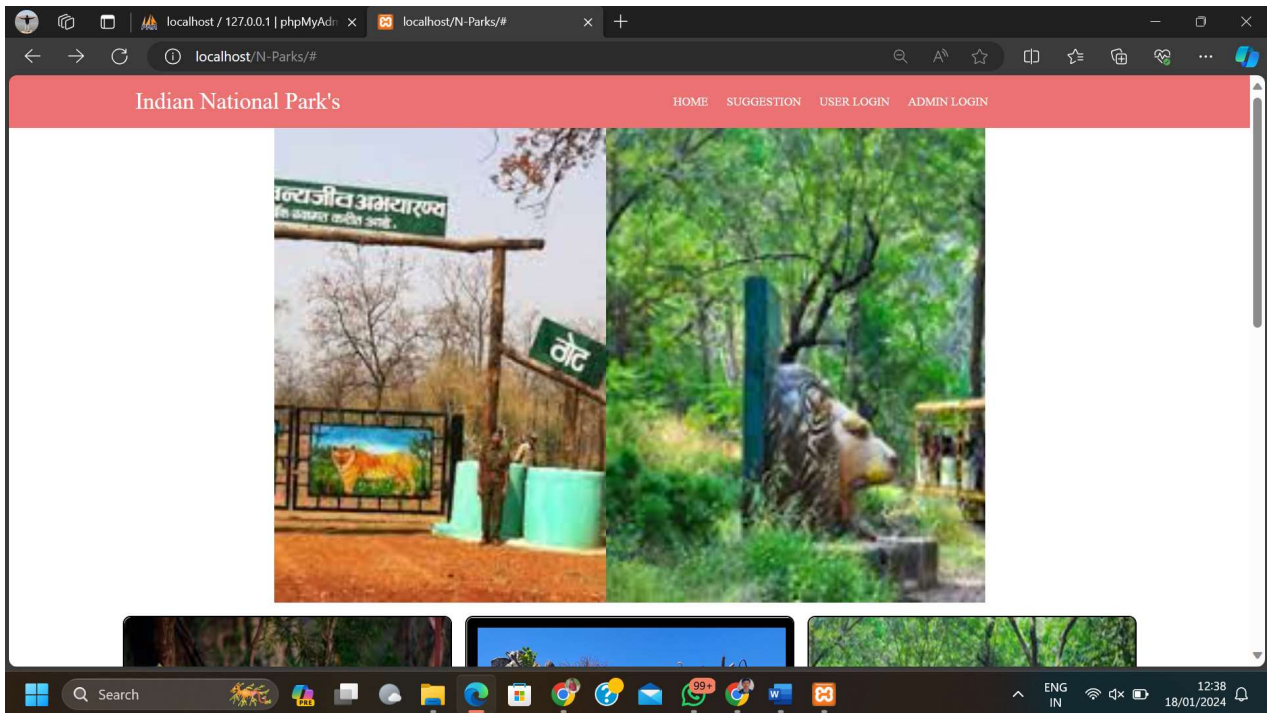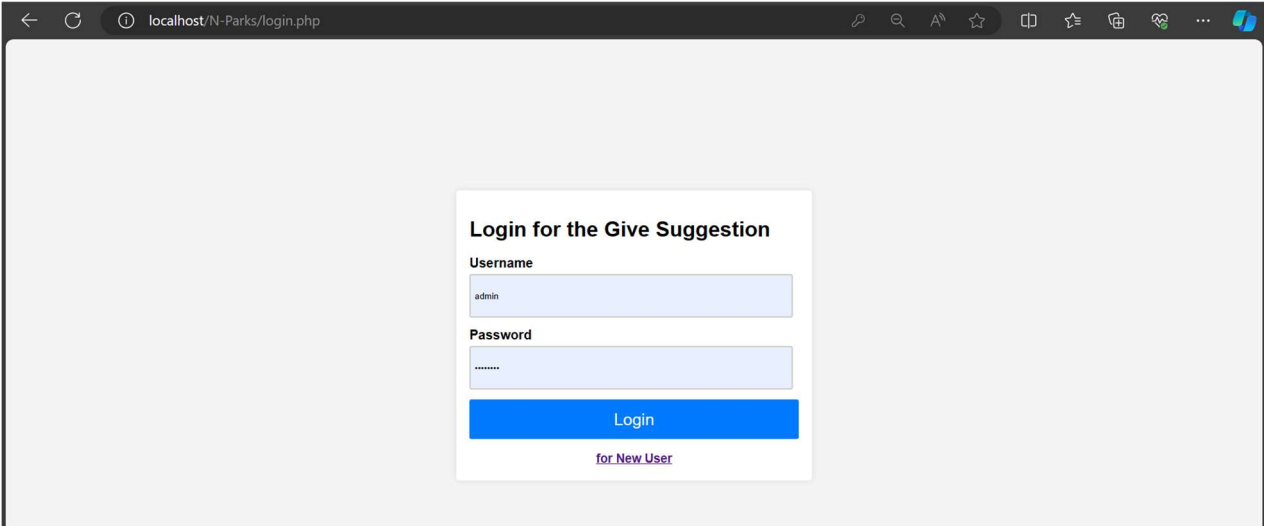
"National Park's"

10.2 fig. User Login

10.3   fig. Registration
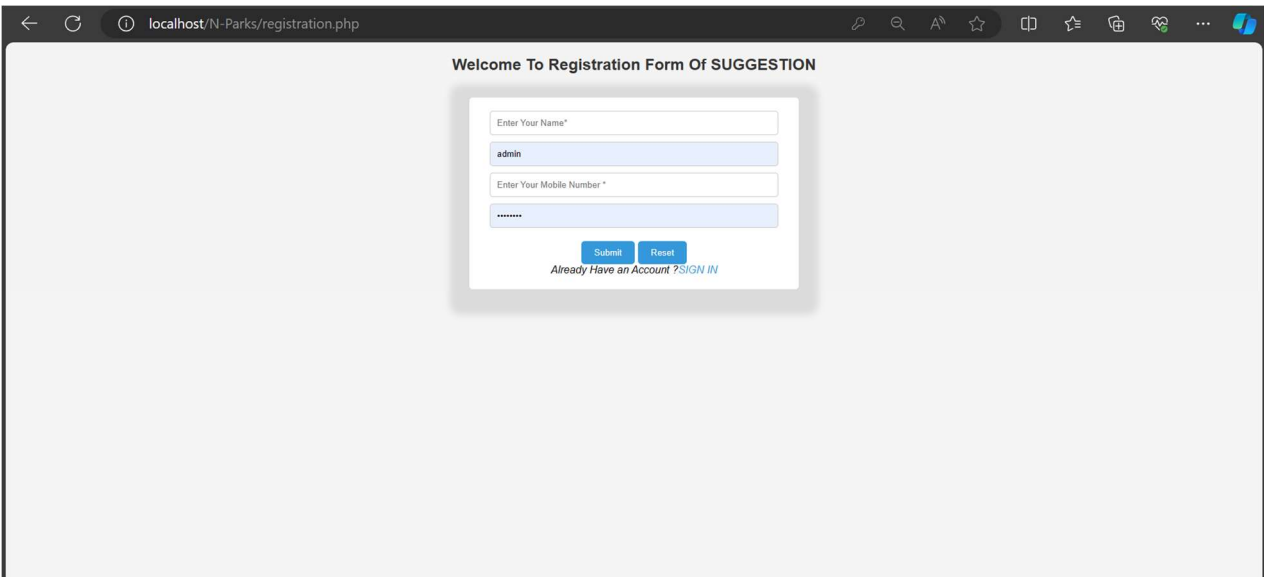
"National Park's"

10.4 Suggestions

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10.5 Admin Login
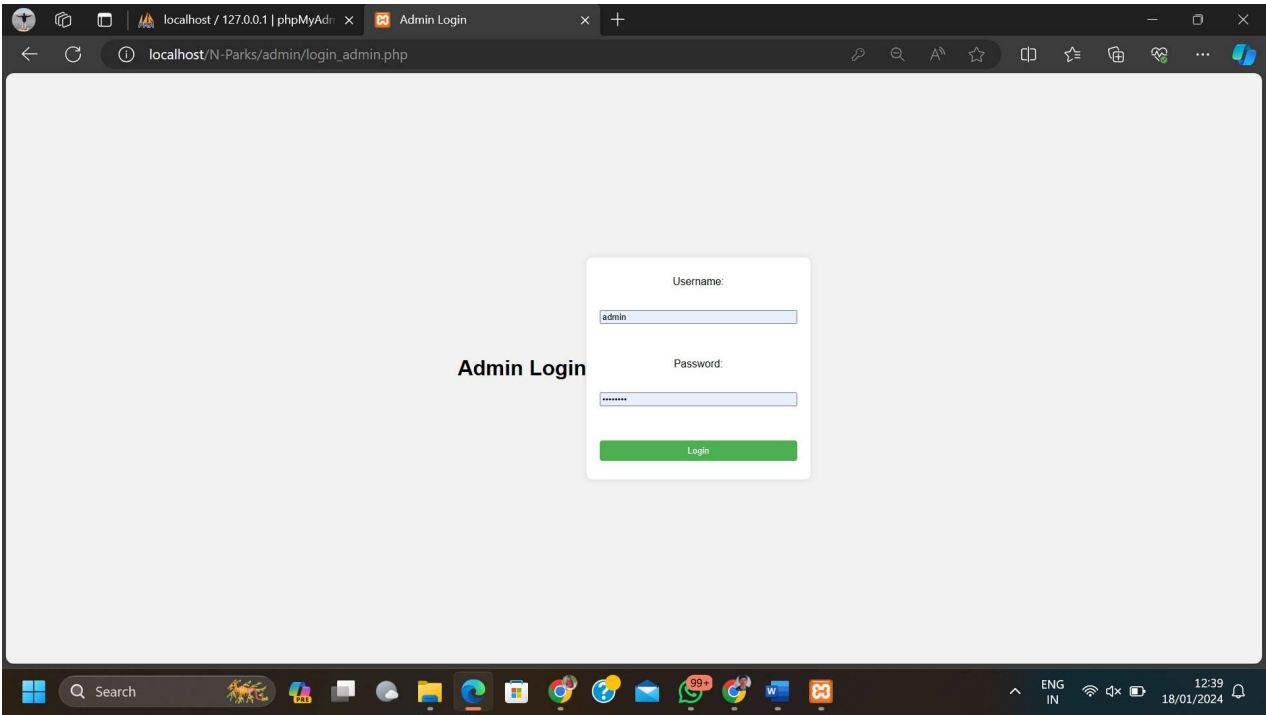
10.6 fig. Admin Home Page

Suggestions Given By User's

Sr. No	Email	Park Name	Suggestion Text	Date/Time
	123	Tadoba_Park	HEllo THis is First Suggestions !	2023-12-13 18:14:31
3	rohit@mail.com	hikjoi	hnolnkf	2023-12-13 18:35:19
3	rohit@mail.com	tadoba national park	hey these is a suggestion.....!	2023-12-13 20:45:54

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Chapter 11
CONCLUSION

The National Park Project System has been a significant milestone in our commitment to environmental conservation, biodiversity protection, and sustainable tourism. Through meticulous planning, collaboration, and dedicated efforts, we have achieved several noteworthy outcomes.

Firstly, the establishment of new national parks has served as a crucial step towards preserving our rich natural heritage. The biodiversity within these protected areas has witnessed positive trends, with several endangered species experiencing population growth and habitat restoration.

Moreover, the integration of advanced technology and data-driven management systems has enhanced our ability to monitor and respond to environmental changes effectively. This has not only contributed to the overall health of the ecosystems but has also facilitated research initiatives and educational programs, fostering a deeper understanding and appreciation of our natural resources.

While celebrating these achievements, it is essential to acknowledge the challenges encountered during the implementation phase. Funding constraints, community engagement issues, and unforeseen environmental threats have tested the resilience of our project. However, these challenges have also provided valuable lessons that can inform future conservation efforts.

Looking ahead, sustaining the success of the National Park Project System requires a continued commitment to adaptive management. Ongoing community involvement, stakeholder collaboration, and a

proactive approach to emerging environmental issues will be instrumental in ensuring the long-term viability of our national parks.

In conclusion, the National Park Project System stands as a testament to our dedication to preserving the planet for future generations. As we reflect on the accomplishments and lessons learned, we are poised to build upon this foundation, fostering a harmonious coexistence between nature and humanity.

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