



# Modern Education Society's Wadia College of Engineering, Pune

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EXAMINED BY:	EXPERIMENT NO: Mini Project

**TITLE:** Mini Project

## **PROBLEM STATEMENT:**

Mini Project: Design and implement a dynamic web application for any business functionality by using web development technologies that you have learnt in the above given assignments.

## **OBJECTIVES:**

To apply basic programming principles to the construction of websites and effectively manage website projects using available resources.

## **APPARATUS:**

XAMPP- x64 bit, MySQL, PHP, Visual Studio Code, Windows, AMD RYZEN 5

# **1) INTRODUCTION**

## **1.1 ABOUT THE PROJECT**

- The Maharashtra Fort Tourism project is a comprehensive web-based application designed to showcase and provide essential information about the historic forts scattered across Maharashtra, India. It serves as a digital guide for tourists and enthusiasts interested in exploring the rich cultural and architectural heritage of the region's forts.
- The project aims to offer users a convenient platform to learn about various forts, their historical significance, architectural features, and visitor amenities. Through this application, users can access detailed reviews and insights into each fort, aiding them in making informed decisions about their visits.
- Utilizing modern web technologies, the Maharashtra Fort Tourism project offers an intuitive user interface that enables seamless navigation and exploration of the vast repository of fort-related content. Whether users are planning a leisurely trip or conducting research, the platform caters to their diverse needs and interests.

## **1.2 ADVANTAGES OF HTML, MYSQL**

- HTML, the cornerstone of the project's front-end, serves as the standard markup language for structuring web pages. Its widespread usage and universal browser support ensure accessibility across diverse platforms, making it an ideal choice for presenting the project's content to users. HTML elements, represented by tags, label and organize the various components of the web pages, including headings, paragraphs, tables, and multimedia content.
- The advantages of HTML in this project include its ubiquitous usage, universal browser support, ease of learning, and seamless integration with other technologies such as CSS, JavaScript, and PHP. Leveraging these advantages, the Maharashtra Fort Tourism

project delivers a user-friendly interface that enhances the exploration and understanding of Maharashtra's rich fort heritage.

- Complementing the front-end, the project utilizes MySQL as the back-end database management system. MySQL, a powerful relational database management system, enables efficient storage, retrieval, and management of data related to the forts, their historical background, visitor amenities, and user interactions.
- SQL, the language used to interact with MySQL databases, facilitates seamless data querying, processing, and manipulation. Its standardized syntax, adopted by ANSI and ISO, ensures compatibility and interoperability across different platforms and systems. The advantages of MySQL include its ability to handle large datasets efficiently, support for complex queries and joins, adherence to established standards, and ease of database management.
- By leveraging the strengths of HTML for the front-end and MySQL for the back-end, the Maharashtra Fort Tourism project offers users an immersive and informative experience, enabling them to explore the diverse cultural and architectural heritage of Maharashtra's forts with ease and efficiency.

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## **2) FEATURES AND OBJECTIVES**

### **2.1 Main features include:**

1. Forts Management: Enables the addition, updating, and deletion of fort information, including historical background, geographical location, and visitor facilities.
2. Fort Reviews: Provides detailed reviews and ratings of each fort, contributed by users and experts, aiding in decision-making for potential visitors.

3. Interactive Maps: Integrates interactive maps for easy navigation and exploration of fort locations, surrounding areas, and nearby attractions.
4. Multimedia Gallery: Curates a collection of photographs, videos, and virtual tours showcasing the architectural beauty and historical significance of the forts.

## **2.2 Objectives:**

1. Add new forts to the database, including relevant details such as historical context, geographical coordinates, and visitor amenities.
2. Incorporate payment areas for booking tours, purchasing tickets, and accessing premium features or guided tours.
3. Manage memberships for users interested in exclusive access to additional content or special offers related to Fort Tourism.
4. Facilitate the addition and management of tour guides and experts who can provide personalized experiences and insights during fort visits.
5. Provide users with a comprehensive view of available forts, their features, and visitor reviews to assist in trip planning and decision-making.
6. Implement features for users to view and explore payment options, including ticket prices, tour packages, and discounts.
7. Enable users to access detailed information about each fort, including historical significance, architectural details, and visitor facilities.
8. Offer functionality for updating and deleting fort-related data, including reviews, photographs, and multimedia content, to ensure accuracy and relevance.

### 3) DESIGN AND CONNECTIVITY

#### 3.2.1 Front-end web development details

- **HTML:**HTML serves as the foundation of the Maharashtra Fort Tourism project, providing the basic structure and markup for the web pages. It defines the layout and organization of content, including headings, paragraphs, lists, and multimedia elements. HTML forms the backbone of the user interface, ensuring accessibility and compatibility across various devices and browsers.
- **CSS:**CSS enhances the visual presentation and layout of the project's web pages, controlling aspects such as typography, colors, spacing, and alignment. By applying CSS stylesheets, the appearance of HTML elements is customized to create a cohesive and visually appealing interface for users. CSS plays a crucial role in maintaining consistency and aesthetics throughout the project.
- **JavaScript:** JavaScript adds interactivity and dynamic behavior to the Maharashtra Fort Tourism project, enabling advanced functionality and user engagement. Through JavaScript, elements such as interactive maps, image galleries, and multimedia features are implemented, enhancing the user experience, and facilitating seamless navigation. JavaScript also enables real-time updates and asynchronous interactions, enriching the overall browsing experience for users.

#### 3.2.2 Connectivity (front end and Back end):

- **PHP:**PHP serves as the bridge between the front-end and back-end components of the Maharashtra Fort Tourism project, facilitating seamless communication and data processing. As a server-side scripting language, PHP enables the execution of dynamic server-side operations, such as retrieving and manipulating data from the MySQL database, generating dynamic content, and handling user interactions. PHP scripts are embedded within HTML pages, allowing for the integration of server-side

functionality with the front-end interface. With PHP, the project achieves powerful functionality while maintaining flexibility and scalability.

- **MySQL (Back-end):** MySQL serves as the backbone of the back-end infrastructure for the Maharashtra Fort Tourism project. As a relational database management system, MySQL stores and manages the project's data, including information about forts, historical details, user interactions, and reviews. SQL queries are used to interact with the MySQL database, enabling data retrieval, manipulation, and storage. By leveraging MySQL, the project ensures efficient data management, scalability, and reliability, supporting the seamless operation of the entire system.
- In summary, HTML, CSS, and JavaScript collectively form the front-end of the Maharashtra Fort Tourism project, providing the structure, presentation, and interactivity for the user interface. PHP serves as the bridge between the front-end and back-end components, enabling dynamic server-side operations and communication with the MySQL database. MySQL serves as the backbone of the back-end infrastructure, managing and storing project data efficiently and reliably. Together, these technologies create a robust and immersive platform for exploring Maharashtra's historic forts.

## 4) OUTPUT

### Login

### Login

Invalid username or password.

**Username:**

**Password:**

Login

Don't have an account? [Register here.](#)

### Home Page

#### About Us



## MAJESTIC MAHARASHTRA

Discover Maharashtra's historic legacy in its majestic forts, where tales of valor and resilience echo through time. Experience the pride of our heritage as you traverse ancient stones and unravel stories of triumph. Each fort stands tall, a testament to our ancestors' courage, inviting you to immerse yourself in the grandeur of our past. Explore Maharashtra Forts Tourism and embrace a journey filled with history, pride, and awe-inspiring beauty.

[Check More](#)

## Services Page

### Our Services



#### Stay At MTDC

MTDC Resort Raigad

[See Profile](#)

#### The Deccan Odyssey Train

A traditional welcome ceremony in Mumbai before boarding

[See Profile](#)

#### Traditional Marathi Food

The Famous Ukdeche Modek

[See Profile](#)

## Add Info Section

### Add Fort Information

Fort Name

Description

[Submit](#)[Read](#)[Update](#)[Delete](#)



## Adding Information

### Add Fort Information

Fort Name

Panhala

Description

Bhudargad, Satara, and Vishalgad) built by the Shilahara ruler Bhoja II. It is said that aphorism Kahaan Raja Bhoj, kahan Gangu Teli is associated with this fort. A copper plate found in Satara shows that Raja Bhoja held court at Panhala from 1191–1192 CE.

Submit

Read

Update

Delete

## Read Page

### Fort Information

Fort Name	Description
Naldurg	Naldurg Fort is a historic fort in Naldurg town of Osmanabad district in Maharashtra state of India.[1] Naldurg Fort is named after Nalraja who built the fort in medieval architectural style. The unique feature of the fort is that it encloses a knoll of basalt rock which juts out into the valley of the small Bori River and a long fortification wall with many bastions
Panhala	Panhala fort was built between 1178 and 1209 CE, one of 15 forts (others including Bavda, Bhudargad, Satara, and Vishalgad) built by the Shilahara ruler Bhoja II. It is said that aphorism Kahaan Raja Bhoj, kahan Gangu Teli is associated with this fort. A copper plate found in Satara shows that Raja Bhoja held court at Panhala from 1191–1192 CE.

## Update Page

### Update Fort Information

Fort Name	Description	Action
Naldurg	Naldurg Fort is a historic for	Update
Panhala-Kolhapur	Panhala fort was built betw	Update

## Updated Page

### Fort Information

Fort Name	Description
Naldurg	Naldurg Fort is a historic fort in Naldurg town of Osmanabad district in Maharashtra state of India.[1] Naldurg Fort is named after Nalraja who built the fort in medieval architectural style. The unique feature of the fort is that it encloses a knoll of basalt rock which juts out into the valley of the small Bori River and a long fortification wall with many bastions
Panhala-Kolhapur	Panhala fort was built between 1178 and 1209 CE, one of 15 forts (others including Bavda, Bhudargad, Satara, and Vishalgad) built by the Shilahara ruler Bhoja II. It is said that aphorism Kahaan Raja Bhoj, kahan Gangu Teli is associated with this fort. A copper plate found in Satara shows that Raja Bhoja held court at Panhala from 1191–1192 CE.

## Delete Page

### Delete Fort Information

Fort Name	Description	Action
Naldurg	Naldurg Fort is a historic fort in Naldurg town of Osmanabad district in Maharashtra state of India.[1] Naldurg Fort is named after Nalraja who built the fort in medieval architectural style. The unique feature of the fort is that it encloses a knoll of basalt rock which juts out into the valley of the small Bori River and a long fortification wall with many bastions	<input type="checkbox"/> Delete
Panhala-Kolhapur	Panhala fort was built between 1178 and 1209 CE, one of 15 forts (others including Bavda, Bhudargad, Satara, and Vishalgad) built by the Shilahara ruler Bhoja II. It is said that aphorism Kahaan Raja Bhoj, kahan Gangu Teli is associated with this fort. A copper plate found in Satara shows that Raja Bhoja held court at Panhala from 1191–1192 CE.	<input checked="" type="checkbox"/> Delete

Delete Selected

## Deleted Information

### Delete Fort Information

Fort Name	Description	Action
Naldurg	Naldurg Fort is a historic fort in Naldurg town of Osmanabad district in Maharashtra state of India.[1] Naldurg Fort is named after Nalraja who built the fort in medieval architectural style. The unique feature of the fort is that it encloses a knoll of basalt rock which juts out into the valley of the small Bori River and a long fortification wall with many bastions	<input type="checkbox"/> Delete

Delete Selected

## Database Table for user

The screenshot shows the phpMyAdmin interface for the 'miniproject\_data' database. The 'user' table is selected, and the 'Structure' tab is active. The table has four columns: id, username, password, and email. The data shows one row with id 3, username 'admin', password 'password', and email 'abs@gmail.com'.

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

```
SELECT * FROM `user`
```

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

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	id	username	password	email
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	admin	password	abs@gmail.com

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label:  ☐ Let every user access this bookmark

Bookmark this SQL query

Console

## Database for Fort Information

The screenshot shows the phpMyAdmin interface for the 'miniproject\_data' database. The 'forts' table is selected, and the 'Structure' tab is active. The table has three columns: id, name, and description. The data shows one row with id 7, name 'Naldurg', and description 'Naldurg Fort is a historic fort in Naldurg town of...'.

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

```
SELECT * FROM `forts`
```

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

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	id	name	description
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	7	Naldurg	Naldurg Fort is a historic fort in Naldurg town of...

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label:  ☐ Let every user access this bookmark

Bookmark this SQL query

Console

## Database Table for contact us Section.

phpMyAdmin

Recent

Favourites

New

blog\_admin\_db

information\_schema

miniproject\_data

- New
- forts
- user
- userinfodata

mysql

performance\_schema

phpmyadmin

sms

test

Server: 127.0.0.1 » Database: miniproject\_data » Table: userinfodata

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Showing rows 0 - 4 (5 total, Query took 0.0002 seconds.)

SELECT \* FROM `userinfodata`

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

name

email

mobile

comment

☐

Edit

Copy

Delete

4

Omkar Latpate

omkarlatpate55@gmail.com

8975155791

Finally mini project is completed :).

☐

Edit

Copy

Delete

6

kalpesh

kalpuu@gmail.com

7965217452

Hii there!!!!!!!

☐

Edit

Copy

Delete

7

ayush

ginger@gmail.com

7410852963

Hey kitty 🐱

☐

Edit

Copy

Delete

8

pranav

prok@gmail.com

7895698458

Hii I am Pranav!!

☐

Edit

Copy

Delete

9

asd

ojekjd@gmail.com

8975155791

hii mini project is completed

Check all

With selected:

Edit

Copy

Delete

Export

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

Bookmark this SQL query

Console

## 5) CONCLUSION

Maharashtra Fort Tourism project seamlessly integrates front-end technologies such as HTML, CSS, and JavaScript with back-end technologies like PHP and MySQL. This combination offers users an immersive platform to explore Maharashtra's historic forts, providing essential information, interactive features, and a user-friendly interface. By leveraging these technologies, the project delivers a cohesive and engaging experience, contributing to the preservation and promotion of Maharashtra's rich cultural heritage.