**Art Gallery Management System**

**Objective:** To create Art Gallery Management System that keeps record of artists, their paintings, art gallery details, exhibition details and showcases pictures of paintings to the customers.

**Abstract:**This project intends to include various features related to an art gallery i.e. information about gallery, exhibition, artists, their paintings, customers (the one who bought the paintings) etc. The main aim is to help art lovers know about different exhibition details organised by different organisations, the art work included, the artists. People who wish to buy this art work can very easily contact the artist. There is a login page for administrator, artists and customer. Artists can login through their account and include details about new paintings made by them. Customers can login through their account and see different paintings available for selling purpose. Administrator can include details about new art gallery, upcoming exhibition details and the exhibition artists.

This project allows three types of users:

1. Administrator

2. Artists

3. Customer

The activities of store that the system will automate are:

1. Login

2. Entry of new art gallery

3. Entry of new artist

4. Entry of new Painting

5. Entry of upcoming exhibition

6. Accessing contact details of gallery as well as artists and their paintings.

7. Entry of Customer details, painting bought.

**Software Requirements:**

**Front End**

**Front-end web development**, also known as **client-side development** is the practice of producing **HTML**, **CSS** and **JavaScript** for a website so that a user can see and interact with them directly. The challenge associated with front end development is that the tools and techniques used to create the front end of a website change constantly and so the developer needs to constantly be aware of how the field is developing.

The objective of designing a site is to ensure that when the users open up the site, they see the information in a format that is easy to read and relevant. This is further complicated by the fact that users now use a large variety of devices with varying screen sizes and resolutions thus forcing the designer to take into consideration these aspects when designing the site. They need to ensure that their site comes up correctly in different browsers (cross-browser), different operating systems (cross-platform) and different devices (cross-device), which requires careful planning on the side of the developer.

**HTML: - Hypertext Markup Language** (**HTML**) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS), and JavaScript, it forms a triad of cornerstone technologies for the World Wide Web[[1]](https://en.wikipedia.org/wiki/HTML#cite_note-1)  browsers receive HTML documents from a webserver or from local storage and render them into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects, such as interactive forms, may be embedded into the rendered page. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by *tags*, written using angle brackets. Tags such as <img /> and <input /> introduce content into the page directly. Others such as <p>...</p> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

**CSS4.0:- Cascading Style Sheets** (**CSS**) is a style sheet language used for describing the presentation of a document written in a markup language Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG and XUL, and is applicable to rendering in speech or on other media. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging webpages, user interfaces for web applications**.**

**Back End**

**PHP**

PHP is a server-side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites

**Wamp 2.1**

The WampServer Program and environment allows you to create web applications with

PHP Apache2 and MySQL database.

**My SQL: -**

* MySQL is a database system used on the web
* MySQL is a database system that runs on a server
* MySQL is ideal for both small and large applications
* MySQL is very fast, reliable, and easy to use
* MySQL uses standard SQL
* MySQL compiles on a number of platforms
* MySQL is free to download and use
* MySQL is developed, distributed, and supported by Oracle Corporation

**Scope of the project:**

This project will help people to show their artistic skills.It can be used to make people aware of the upcoming exhibition i.e. its start date, end date, location. Also include artists whose paintings are available for people could contact them if they wish to learn from them or if they want to buy their art piece. They can also approach gallery staff if someone’s wishes to exhibit his or her painting.

**Tools And Language**

1. **Technologies** **:**

* PHP
* User friendly
* Separation of work (designing & **coding**)
* Written once run anywhere Middle-Tier
* HTML
* JS
* CSS
* JQUERY
* AJAX

1. **Web Server :** Apache Server 2.1.7
2. **Back End Tool :** MYSQL

* Security
* Performance
* Scalability
* Reliability
* Support RDMS concepts

**4. Any Other Software :** WAMP/XAMPP

**Hardware and System Requirment**

For this project minimum hardware and software requirement are listed below:

The hardware requirements stated above are recommended for the optimum possible performance of the new system (computerized system).

**Hardware Requirements**

**Processor** **:** Pentium IV or Higher

**RAM**  **:** 512 MB or Higher

**Hard Disk**  **:** 80 GB or Higher

**Software Requirements**

**Front End Tool** **:** PHP 5.3 (or Above)

**Web Server :** Apache Server 2.2 (or Above).

**Back End Tool :** MYSQL 5.5

**Operating System :** Windows Operating System/Linux