

**Art Gallery Management System**

The goal with our Art Gallery Management System is to develop a management system that catalogs artists, their works, information about the art gallery, exhibitions, and displays paintings' images for patron viewing.

**Objective:** The primary goal is to inform art enthusiasts about various exhibition details, including the artwork and artists, that are arranged by various organizations. Our system will make it easy for customers to get in touch with the artist to purchase their artwork. For administrators, artists, and customers, there is a login page.

**Database System Specifications:**

* **Users :**

The system will have three main users:

* Admin:Admin will add information about the artists on display and exhibitions.
* Staff:Staff manages inventory, artist, and client data.
* Artists:Artists can use their account to log in and add information about recently completed paintings.
* Clients:Clients that log in with their accounts can view paintings or make purchases.
* **Access Levels of Users :**

Each user will be assigned their own level of access depending on the actions they perform on the database:

* Admin:
  + Add, modify, or remove user accounts and set appropriate permissions.
  + Access to all modules in the database.
  + Oversee system security and integrity.
* Staff:
  + Access to inventory management, to track artworks and update details.
  + Organize inventory and coordinate exhibition details.
  + Access to customer personal details.
  + Process sales transactions (Limited Permissions).
* Artists:
  + Allow management of their own artwork details, i.e., inventory status, revenue accumulated and sales history.
  + Upload new artwork after authorization.
  + Update personal information.
* Clients:
  + View paintings and sale status.
  + Make purchases after authorization.
* **Software Requirements:**
* Front-end:
* Python
* Back-end:
* MYSQL
* **Necessary Information for Each Artwork:**

The following will be the necessary details that must be provided for each item exhibited in the gallery to ensure a seamless structure:

* Title
* Artist
* Medium (i.e., acrylics, oil, water, etc.)
* Dimension
* Provenance (previous owners or exhibitions)
* Price (if available for purchase)
* Sales history (if previously available for purchase)
* Loan Agreement
* Availability Status
* Past Exhibition Records
* Upcoming Exhibitions
* Event Dates & Schedules
* **Necessary Information for Each Exhibition:**

The following will be the necessary details that must be provided for each exhibition held in the gallery:

* Exhibition Name
* Chosen Theme
* Dates & Schedules
* Exhibition Location
* List of Pieces Displayed
* **Sales Records:**

The following details must be provided by the database to ensure proper transactions:

* Artworks Sold
* Sale Price
* Date of Sale
* Artist Commission
* **Loan Records:**

The following details about loans records of each painting or piece must be included in the database:

* Loan Agreements
* Loan Duration
* Loaned Piece Monitoring Status
* Tracking Transport of Loaned Artwork
* **Artist Information:**

Each artist should provide their appropriate and proper data to have their artwork displayed or sold:

* Name
* Phone No.
* Email
* Address
* Social Media Profiles
* Artist Signature Style (Medium Used)
* Sales History
* Sales and Commission