

Requirement of the Art & Artist Management System

This project aims to create a relational database for an Art & Artist Management System that offers a comprehensive platform to catalog artworks, record artist profiles, detail exhibitions, store gallery information, and capture collector/buyer data.

Rules of the database:

1. Each artwork has a unique Artwork ID
2. Every artist possesses a unique Artist ID
3. Artworks can belong to only one artist but an artist can have multiple artworks
4. Artworks can be part of multiple exhibitions
5. Each exhibition has a unique Exhibition ID
6. Galleries can host multiple exhibitions but each exhibition is held at one gallery
7. Each gallery has a unique Gallery ID
8. Collector/buyer has unique Buyer ID and can one collector/buyer can make multiple purchases
9. Artworks can have different availability statuses (e.g., available, sold, reserved)

Business rules:

1. Before an artwork is added, the artist associated with the work must exist in the system
2. The availability of artwork must update once it is sold
3. An exhibition can't exist without at least one associated artwork
4. The collector/buyer's details must be recorded when the artwork is sold
5. Artists can participate in multiple exhibitions, but each participation must be recorded individually

Nouns:

1. Artwork
2. Artist
3. Exhibition
4. Gallery
5. Collector/buyer
6. Medium (e.g., painting, sculpture, digital)
7. Style (e.g., abstract, realism, impressionism)
8. Dimensions
9. Price
10. Location
11. Contact details
12. Preferences
13. Sales
14. Inquiry
15. Portfolio

Actions:

1. Add/Remove/Update Artwork
2. Add/Update Artist Profile
3. Schedule/Update Exhibition
4. Add/Remove/Update Gallery Information
5. Record Sale/Purchase
6. Inquiry about Artwork
7. Search based on medium, style, artist

8. Report Generation (sales, top artists, popular styles)