Initial Auto-generated DB Design

Table Name	Description	Key Columns (Type)	Relationships/ Notes
Artists	Stores artist details.	id (INT, PK) name (VARCHAR) canonical_name (VARCHAR) contact_info (TEXT) background (TEXT)	FK in Artworks, Selection_Decisions.
Artworks	Core table for individual pieces.	id (INT, PK) object_code (VARCHAR, UNIQUE) artist_id (INT, FK) title (VARCHAR) medium (VARCHAR) dimensions (VARCHAR) insurance_value (DECIMAL) condition (TEXT) owner_type (ENUM: 'gallery', 'loan', 'consignment') status (ENUM: 'active', 'inactive', 'sold', 'returned') location (VARCHAR)	FK to Artists; linked to Exhibitions, Auctions via junction tables.
Exhibitions	Manages exhibition events.	id (INT, PK) exhibition_code (VARCHAR, UNIQUE) title (VARCHAR) theme (VARCHAR) start_date (DATE) end_date (DATE) status (VARCHAR)	FK in Exhibition_Artworks, Documents.
Exhibition_ Artworks	Links artworks to exhibitions (many-to-many).	id (INT, PK) exhibition_id (INT, FK) artwork_id (INT, FK) placement (VARCHAR) lighting (VARCHAR) wall_color (VARCHAR)	Composite key on exhibition_id + artwork_id.
Auctions	Manages auction events.	id (INT, PK) date (DATE) theme (VARCHAR)	FK in Auction_Lots.
Auction_Lots	Links artworks to auction lots.	id (INT, PK) auction_id (INT, FK) artwork_id (INT, FK) lot_number (INT) starting_bid (DECIMAL) reserve_price (DECIMAL, RESTRICTED) commission_tier (VARCHAR, RESTRICTED) status (VARCHAR)	FK to Auctions, Artworks; links to Sales.
Bidders	Stores bidder info (privacy-focused).	id (INT, PK) code (VARCHAR) contact_info (TEXT, RESTRICTED)	FK in Sales.
Sales	Records	id (INT, PK)	FK to

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	auction sales.	lot_id (INT, FK) bidder_id (INT, FK) final_price (DECIMAL, RESTRICTED) payment_status (VARCHAR)	Auction_Lots, Bidders.
Documents	Generic table for records/forms.	id (INT, PK) type (VARCHAR, e.g., 'condition_report') file_path (VARCHAR) related_id (INT) related_type (VARCHAR, e.g., 'artwork') content_summary (TEXT)	Polymorphic FK (related_id to Artworks/Exhibitions/etc.); supports cross-references.
Incidents	Tracks issues like damage.	id (INT, PK) artwork_id (INT, FK) date (DATE) description (TEXT) images (TEXT) action_taken (TEXT)	FK to Artworks.
Selection_Decisions	Logs committee selections.	id (INT, PK) artist_id (INT, FK) meeting_date (DATE) decision (ENUM: 'yes', 'no', 'maybe') remarks (TEXT)	FK to Artists; ties to exhibitions.
Logs	For timelines, daily logs, evaluations.	id (INT, PK) related_id (INT) related_type (VARCHAR) log_type (ENUM: 'daily', 'timeline', 'evaluation') date (DATE) details (TEXT)	Polymorphic FK; captures milestones, attendance, feedback.