Cairo University

 CHS-team3

Faculty of Engineering

Computer Engineering Department

CMPS202

Introduction to Database Systems

ArtTrust

Decentralized Art Ownership and Verification System

Team Number: 3

Team Members:

 Adam Amr Moharram <1230156>

Mohamed Khalid Aboelyazid <1230245>

 Mostafa Samir Mohamed <1230116>

Ali Osama Mamdouh <1230205>

Contact Info:

adam.abdelhamid05@eng-st.cu.edu.eg

Mohamed.shalaby04@eng-st.cu.edu.eg

Mostafa.Younis05@eng-st.cu.edu.eg

Ali.Nafeh06@eng-st.cu.edu.eg

Admin
- 🔑 AdminID
- Password

VerificationRequest
- 🔑 RequestID
- 🔑 UserID
- 🔑 ArtworkID
- RequestDate
- VerificationStatus

Users
- 🔑 UserID
- Password
- Name
- Email

Ownership
- 🔑 RecordID
- 🔑 UserID
- ArtworkID
- Price
- OwnershipDate

Reviews
- 🔑 ReviewID
- 🔑 UserID
- 🔑 ArtworkID
- Comment
- Rating

Artworks
- 🔑 ArtworkID
- Title
- Dimensions
- CreationDate
- Description
- ArtistID

AuctionHouse
- 🔑 AuctionID
- 🔑 GalleryID
- ArtworkID
- Name
- SellingPrice

Artists
- 🔑 ArtistID
- FirstName
- LastName
- Password
- Email
- Nationality

Galleries
- 🔑 GalleryID
- Password
- Name
- Location
- ContactInfo

Exhibitions
- 🔑 ExhibitionID
- Name
- StartDate
- EndDate
- GalleryID
- ArtworkID

Entity-Relationship Diagram

Exhibition — attributes: StartDate, EndDate, Name, ExhibitionID
Artwork — attributes: Description, CreationDate, ArtworkID, Dimensions, Title
OwnershipRecord — attributes: OwnershipDate, Price, RecordID
User — attributes: UserID, Name, Email, Password
Gallery — attributes: Location, Password, Name, GalleryID, ContactInfo
AuctionHouse — attributes: AuctionID, Name, SellingPrice
Admin — attributes: AdminID, Password
Artist — attributes: ArtistID, FirstName, LastName, Email, Nationality, Password
VerificationRequest — attributes: VerificationStatus, RequestDate, RequestID
Review — attributes: Comment, Rating, ReviewID

Relationships:
- Organize (Gallery — Exhibition): 1 — N
- Feature (Exhibition — Artwork): 1 — N
- Include (Gallery — Artwork): 1 — N
- Has (Artwork — OwnershipRecord): 1 — N
- Belongs to (OwnershipRecord — User): N — 1
- Manages (Gallery — AuctionHouse): 1 — M
- Sells (AuctionHouse — Artwork): 1 — N
- Creator (Artwork — Artist): N — 1
- Has (Artwork — VerificationRequest): 1 — N
- Makes (VerificationRequest — User): N — 1
- Gives (User — Review): 1 — N
- On (Review — Artwork): 1 — N