**CASE STUDY ON ART GALLERY:**

Ahare Arts is an extravagant art gallery situated in Dhanmondi, Dhaka. Artists enlisted by the gallery can showcase their arts.

In the management system that shall be operated for it, artists are identified according to their unique artist ID and their names, addresses and phone numbers are also stored. Addresses are composed of house number, street details and area. The unique art ID of each individual art is stored in the database. The title of the art along with the date of completion of the art, type of the art and price of the art is also recorded. Artists must have created at least one art but an art can have only one artist.

The gallery administration consists of the owner and staffs. The owners have only their unique owner ID, name, email address and phone number stored and manages the artists and staffs of the gallery. The system records name, address, phone number, role, salary and the unique staff ID of each individual staff who works for the gallery. These addresses are also composed of house number, street details and area. Staffs look after and maintain the artistic integrity of the arts in the gallery through regular routine checks. Multiple staffs can maintain multiple arts. Once a routine check is successfully conducted, a routine check number is generated and recorded in the system.

The owner can organize exhibitions and arts are showcased at exhibitions. The owner may organize multiple exhibitions or may not organize any at all. Exhibitions must showcase at least one art but an art may not be showcased or can be showcased at one exhibition only. The unique exhibition ID, starting date, ending date, names of sponsors and the exhibition name is stored by the system.

Customers can buy the arts showcased. A receipt number is generated and stored once a customer buys an art. A customer can buy many arts but an art may not be bought or can be bought by one customer only. The unique ID of each customer and their name, address and phone number are also stored. The addresses of customers consist of house number, street details and area.