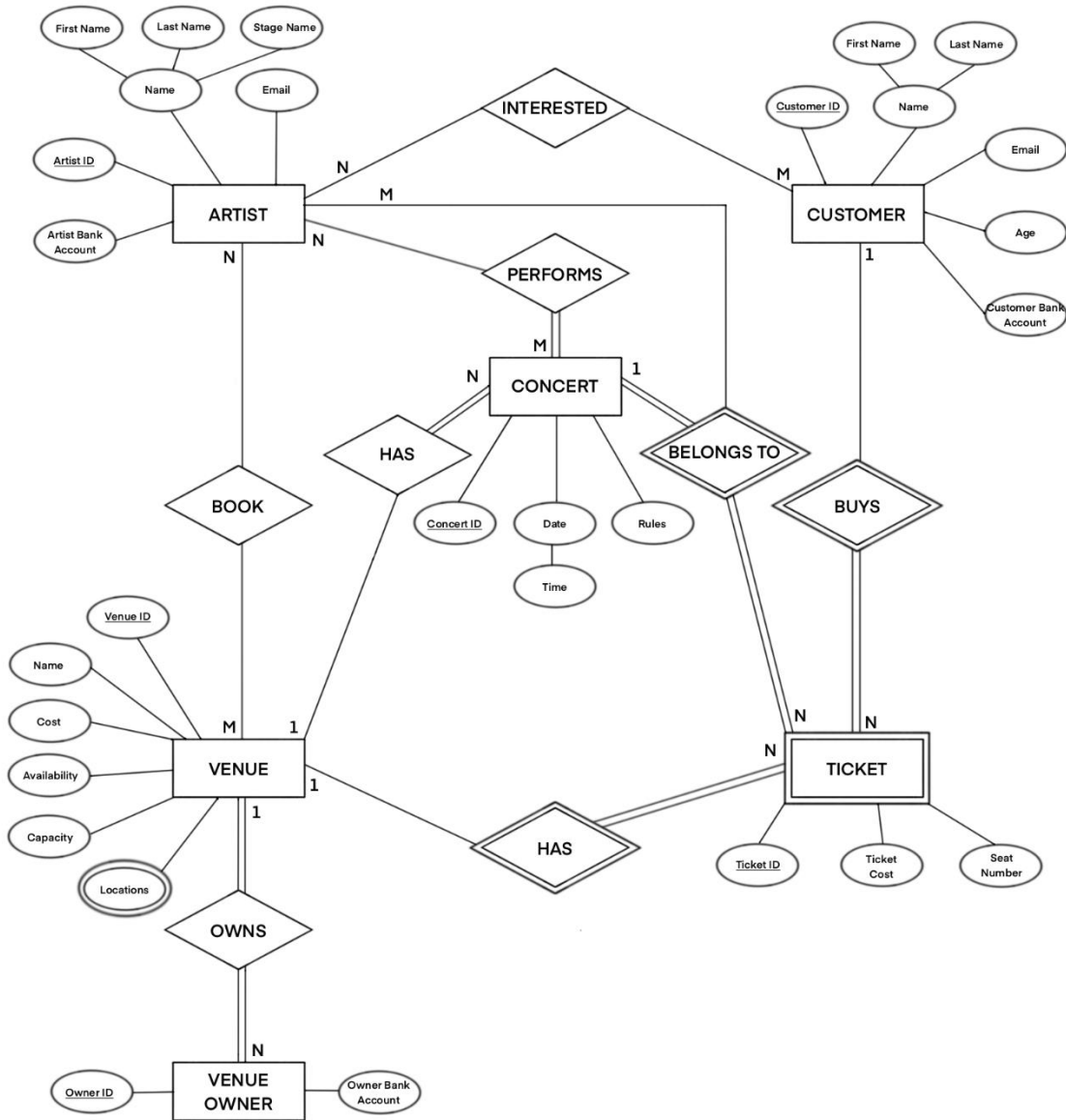
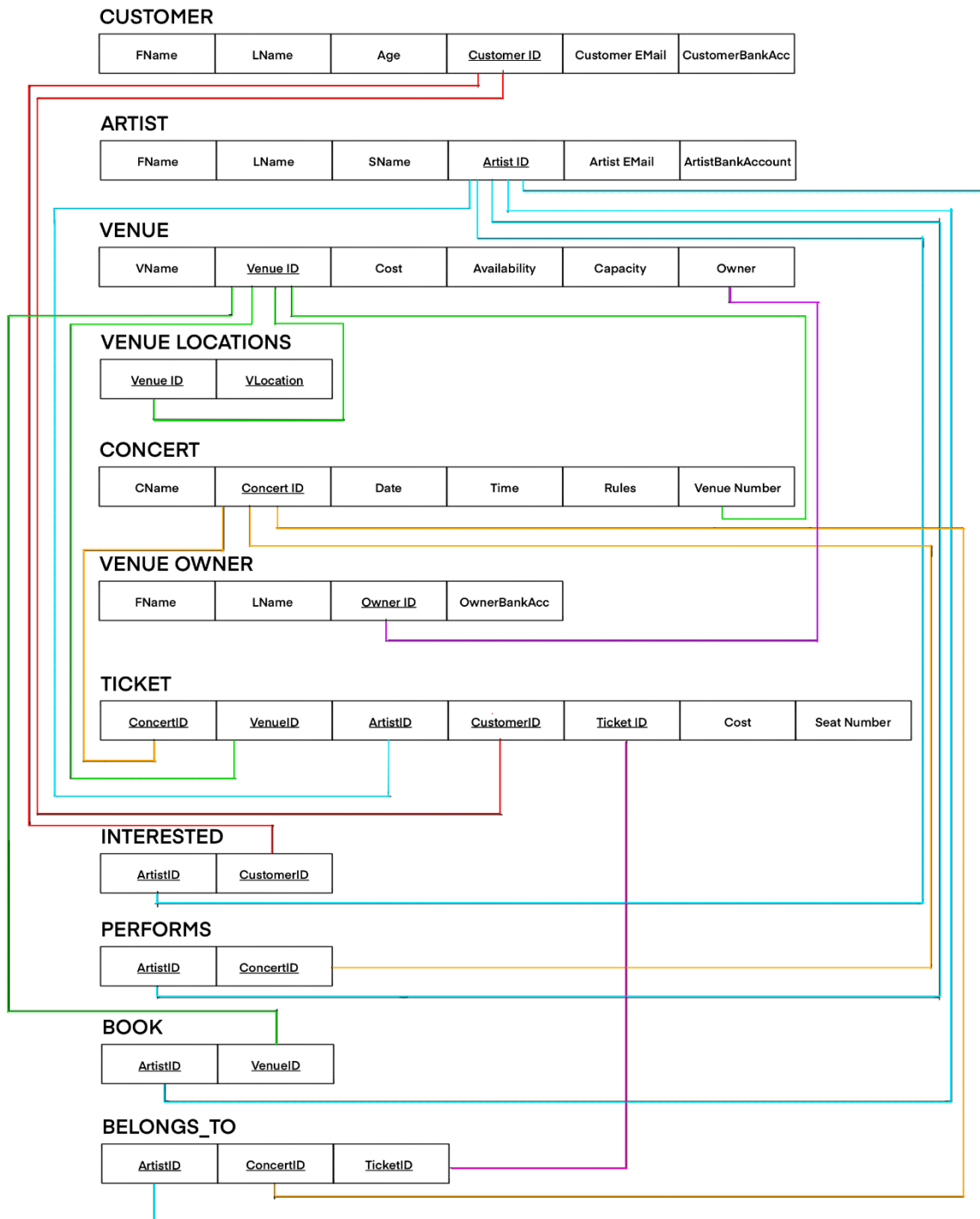


ERD :



Schema :



## CUSTOMER

FName	LName	Age	<u>Customer ID</u>	Customer Email	CustomerBankAcc
-------	-------	-----	--------------------	----------------	-----------------

## ARTIST

FName	LName	SName	<u>Artist ID</u>	Artist Email	ArtistBankAccount
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## VENUE

VName	<u>Venue ID</u>	Cost	Availability	Capacity	Owner
-------	-----------------	------	--------------	----------	-------

## VENUE LOCATIONS

<u>Venue ID</u>	<u>VLocation</u>
-----------------	------------------

## CONCERT

CName	<u>Concert ID</u>	Date	Time	Rules	Venue Number
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## VENUE OWNER

FName	LName	<u>Owner ID</u>	OwnerBankAcc
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## TICKET

<u>ConcertID</u>	<u>VenueID</u>	<u>ArtistID</u>	<u>CustomerID</u>	<u>Ticket ID</u>	Cost	Seat Number
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## INTERESTED

<u>ArtistID</u>	<u>CustomerID</u>
-----------------	-------------------

## PERFORMS

<u>ArtistID</u>	<u>ConcertID</u>
-----------------	------------------

## BOOK

<u>ArtistID</u>	<u>VenueID</u>
-----------------	----------------

## BELONGS\_TO

<u>ArtistID</u>	<u>ConcertID</u>	<u>TicketID</u>
-----------------	------------------	-----------------

SQL:

```
CREATE TABLE Customer (  
    custID INT PRIMARY KEY,  
    FName VARCHAR(50),  
    Lname VARCHAR(50),  
    CustomerEmail VARCHAR(50),  
    custAge INT,  
    custBankAcc VARCHAR(50)  
);
```

```
CREATE TABLE Artist (  
    artistID INT PRIMARY KEY,  
    FName VARCHAR(50),  
    Lname VARCHAR(50),  
    Sname VARCHAR(50),  
    artistEmail VARCHAR(50),  
    artistBankAcc VARCHAR(50)  
);
```

```
CREATE TABLE VenueOwner (  
    OwnerID INT PRIMARY KEY,  
    FName VARCHAR(50),  
    LName VARCHAR(50),  
    OwnerBankAcc VARCHAR(50)  
);
```

```
CREATE TABLE Venue (  
    venueID INT PRIMARY KEY,  
    venueName VARCHAR(50),  
    cost DECIMAL(10,2),  
    availability BOOLEAN,  
    capacity INT,  
    ownerID INT,  
    FOREIGN KEY (ownerID) REFERENCES VenueOwner(OwnerID)  
);
```

```
CREATE TABLE VenueLocations (  
    VenueID INT,  
    VLocation VARCHAR(100),  
    PRIMARY KEY (VenueID, VLocation),  
    FOREIGN KEY (VenueID) REFERENCES Venue(venueID)  
);
```

```
CREATE TABLE Concert (  
    concertID INT PRIMARY KEY,  
    concertName VARCHAR(100),  
    date DATE,  
    time TIME,  
    rules VARCHAR(255),  
    venueID INT,  
    FOREIGN KEY (venueID) REFERENCES Venue(venueID)  
);
```

```
CREATE TABLE Ticket (  
    ticketID INT PRIMARY KEY,  
    price DECIMAL(10,2),  
    seatNumber INT,  
    custID INT,  
    concertID INT,  
    venueID INT,  
    artistID INT,  
    FOREIGN KEY (custID) REFERENCES Customer(custID),  
    FOREIGN KEY (concertID) REFERENCES Concert(concertID),  
    FOREIGN KEY (venueID) REFERENCES Venue(venueID),  
    FOREIGN KEY (artistID) REFERENCES Artist(artistID)  
);
```

```
CREATE TABLE Interested (  
    artistID INT,  
    custID INT,  
    PRIMARY KEY (artistID, custID),  
    FOREIGN KEY (artistID) REFERENCES Artist(artistID),  
    FOREIGN KEY (custID) REFERENCES Customer(custID)  
);
```

```
CREATE TABLE Performs (  
    artistID INT,  
    concertID INT,  
    PRIMARY KEY (artistID, concertID),  
    FOREIGN KEY (artistID) REFERENCES Artist(artistID),  
    FOREIGN KEY (concertID) REFERENCES Concert(concertID)  
);
```

```
CREATE TABLE Book (  
    artistID INT,  
    venueID INT,  
    concertID INT,  
    PRIMARY KEY (artistID, venueID, concertID),  
    FOREIGN KEY (artistID) REFERENCES Artist(artistID),  
    FOREIGN KEY (venueID) REFERENCES Venue(venueID),  
    FOREIGN KEY (concertID) REFERENCES Concert(concertID)  
);
```

```
INSERT INTO Customer (custID, Fname, Lname, CustomerEmail, custAge, custBankAcc) VALUES  
    (1, 'John', 'Doe', 'john.doe@example.com', 30, '1234567890'),  
    (2, 'Jane', 'Smith', 'jane.smith@example.com', 25, '0987654321');
```

```
INSERT INTO Artist (artistID, Fname, Lname, Sname, artistEmail, artistBankAcc) VALUES  
    (1, 'Alice', 'Johnson', 'AJ', 'alice.johnson@example.com', '1122334455'),  
    (2, 'Bob', 'Brown', 'BB', 'bob.brown@example.com', '2233445566');
```

INSERT INTO VenueOwner (OwnerID, FName, LName, OwnerBankAcc) VALUES

(1, 'Charlie', 'Davis', '3344556677'),  
(2, 'Diana', 'Evans', '4455667788');

INSERT INTO Venue (venueID, venueName, cost, availability, capacity, ownerID) VALUES

(1, 'Stadium A', 5000.00, TRUE, 20000, 1),  
(2, 'Arena B', 3000.00, FALSE, 15000, 2);

INSERT INTO VenueLocations (VenueID, VLocation) VALUES

(1, 'New York'),  
(2, 'Los Angeles');

INSERT INTO Concert (concertID, concertName, date, time, rules, venueID) VALUES

(1, 'Rock Fest', '2023-12-01', '18:00:00', 'No outside food or drinks', 1),  
(2, 'Jazz Night', '2023-12-15', '20:00:00', 'Formal attire required', 2);

INSERT INTO Ticket (ticketID, price, seatNumber, custID, concertID, venueID, artistID) VALUES

(1, 100.00, 1, 1, 1, 1, 1),  
(2, 150.00, 2, 2, 2, 2, 2);

INSERT INTO Interested (artistID, custID) VALUES

(1, 1),  
(2, 2);

INSERT INTO Performs (artistID, concertID) VALUES

(1, 1),  
(2, 2);



```
INSERT INTO Book (artistID, venueID, concertID) VALUES
```

```
(1, 1, 1),
```

```
(2, 2, 2);
```

GitHub link :

<https://github.com/TechKing1/venyou>