CREATE DATABASE ArtistryHub;

USE ArtistryHub;

-- 1. Users Table

CREATE TABLE users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

phone VARCHAR(15),

location VARCHAR(100),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

-- 2. Artists Table

CREATE TABLE artists (

artist\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

bio TEXT,

profile\_picture VARCHAR(255),

portfolio\_link VARCHAR(255),

FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);

-- 3. Categories Table

CREATE TABLE categories (

category\_id INT AUTO\_INCREMENT PRIMARY KEY,

category\_name VARCHAR(100) NOT NULL,

description TEXT

);

-- 4. Services Table

CREATE TABLE services (

service\_id INT AUTO\_INCREMENT PRIMARY KEY,

service\_name VARCHAR(100) NOT NULL,

description TEXT,

category\_id INT,

image\_url VARCHAR(255),

FOREIGN KEY (category\_id) REFERENCES categories(category\_id)

);

-- 6. Portfolios Table

CREATE TABLE portfolios (

portfolio\_id INT AUTO\_INCREMENT PRIMARY KEY,

artist\_id INT,

service\_id INT,

portfolio\_image VARCHAR(255),

description TEXT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id),

FOREIGN KEY (service\_id) REFERENCES services(service\_id)

);

-- 7. Bookings Table

CREATE TABLE bookings (

booking\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

artist\_id INT,

service\_id INT,

booking\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

event\_date DATE NOT NULL,

status VARCHAR(50) DEFAULT 'Pending', -- e.g., 'Pending', 'Confirmed', 'Completed', 'Cancelled'

total\_amount DECIMAL(10, 2) NOT NULL,

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id),

FOREIGN KEY (service\_id) REFERENCES services(service\_id)

);

-- 8. Reviews Table

CREATE TABLE reviews (

review\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

artist\_id INT,

service\_id INT,

rating TINYINT CHECK (rating BETWEEN 1 AND 5),

comment TEXT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id),

FOREIGN KEY (service\_id) REFERENCES services(service\_id)

);

-- 9. Payments Table

CREATE TABLE payments (

payment\_id INT AUTO\_INCREMENT PRIMARY KEY,

booking\_id INT,

payment\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

payment\_method VARCHAR(50), -- e.g., 'Credit Card', 'UPI', 'Cash'

amount DECIMAL(10, 2) NOT NULL,

status VARCHAR(50) DEFAULT 'Completed',

FOREIGN KEY (booking\_id) REFERENCES bookings(booking\_id)

);

-- 10. Events Table

CREATE TABLE events (

event\_id INT AUTO\_INCREMENT PRIMARY KEY,

artist\_id INT,

event\_name VARCHAR(100) NOT NULL,

description TEXT,

event\_date DATE NOT NULL,

location VARCHAR(100),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id)

);

-- 11. User\_Favorites Table

CREATE TABLE user\_favorites (

favorite\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

artist\_id INT,

service\_id INT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id),

FOREIGN KEY (service\_id) REFERENCES services(service\_id)

);

-- 13. Notifications Table

CREATE TABLE notifications (

notification\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

message TEXT NOT NULL,

is\_read BOOLEAN DEFAULT FALSE,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(user\_id)

);

-- 14. Artist\_Availability Table

CREATE TABLE artist\_availability (

availability\_id INT AUTO\_INCREMENT PRIMARY KEY,

artist\_id INT,

day\_of\_week VARCHAR(15), -- e.g., 'Monday', 'Tuesday'

start\_time TIME,

end\_time TIME,

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id)

);

-- 15. Admins Table

CREATE TABLE admins (

admin\_id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

| **Table** | **Entity Type** | **Key Attribute** |
| --- | --- | --- |

|  |  |  |
| --- | --- | --- |
| users | Strong Entity | user\_id |

|  |  |  |
| --- | --- | --- |
| artists | Strong Entity | artist\_id |

|  |  |  |
| --- | --- | --- |
| categories | Strong Entity | category\_id |

|  |  |  |
| --- | --- | --- |
| services | Strong Entity | service\_id |

|  |  |  |
| --- | --- | --- |
| artist\_services | Weak Entity | artist\_service\_id |

|  |  |  |
| --- | --- | --- |
| portfolios | Weak Entity | portfolio\_id |

|  |  |  |
| --- | --- | --- |
| bookings | Strong Entity | booking\_id |

|  |  |  |
| --- | --- | --- |
| reviews | Strong Entity | review\_id |

|  |  |  |
| --- | --- | --- |
| payments | Strong Entity | payment\_id |

|  |  |  |
| --- | --- | --- |
| events | Strong Entity | event\_id |

|  |  |  |
| --- | --- | --- |
| user\_favorites | Weak Entity | favorite\_id |

|  |  |  |
| --- | --- | --- |
| messages | Strong Entity | message\_id |

|  |  |  |
| --- | --- | --- |
| notifications | Strong Entity | notification\_id |

|  |  |  |
| --- | --- | --- |
| artist\_availability | Weak Entity | availability\_id |

|  |  |  |
| --- | --- | --- |
| admins | Strong Entity | admin\_id |