**Freelancer-sql:**

1. Users Table (For both Freelancer and Client)

CREATE TABLE users (

user\_id INT PRIMARY KEY AUTO\_INCREMENT,

username VARCHAR(50) UNIQUE,

email VARCHAR(100) UNIQUE,

password\_hash VARCHAR(255),

user\_type ENUM('Freelancer', 'Client', 'Admin'),

profile\_photo VARCHAR(255),

bio TEXT,

location VARCHAR(100),

skills TEXT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

✅ 2. Jobs Table (Posted by Client)

CREATE TABLE jobs (

job\_id INT PRIMARY KEY AUTO\_INCREMENT,

client\_id INT,

title VARCHAR(150),

description TEXT,

budget DECIMAL(10, 2),

job\_category VARCHAR(100),

job\_status ENUM('Open', 'In Progress', 'Completed', 'Cancelled') DEFAULT 'Open',

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

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

);

✅ 3. Proposals Table (Submitted by Freelancer)

CREATE TABLE proposals (

proposal\_id INT PRIMARY KEY AUTO\_INCREMENT,

job\_id INT,

freelancer\_id INT,

proposal\_message TEXT,

proposed\_amount DECIMAL(10, 2),

proposal\_status ENUM('Pending', 'Accepted', 'Rejected') DEFAULT 'Pending',

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (job\_id) REFERENCES jobs(job\_id) ON DELETE CASCADE,

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

);

✅ 4. Messages Table (Freelancer <-> Client Communication)

CREATE TABLE messages (

message\_id INT PRIMARY KEY AUTO\_INCREMENT,

sender\_id INT,

receiver\_id INT,

message\_content TEXT,

message\_status ENUM('Sent', 'Read') DEFAULT 'Sent',

sent\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

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

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

);

✅ 5. Payments Table (Client -> Freelancer Payments)

CREATE TABLE payments (

payment\_id INT PRIMARY KEY AUTO\_INCREMENT,

job\_id INT,

client\_id INT,

freelancer\_id INT,

amount DECIMAL(10, 2),

payment\_status ENUM('Pending', 'Completed', 'Escrowed') DEFAULT 'Pending',

payment\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (job\_id) REFERENCES jobs(job\_id) ON DELETE CASCADE,

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

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

);

✅ 6. Earnings Table (For Freelancer Dashboard Earnings Section)

CREATE TABLE earnings (

earning\_id INT PRIMARY KEY AUTO\_INCREMENT,

freelancer\_id INT,

total\_earnings DECIMAL(10, 2) DEFAULT 0,

completed\_projects INT DEFAULT 0,

ongoing\_projects INT DEFAULT 0,

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

);

✅ 7. Freelancer Reviews Table (Rating & Review System)

CREATE TABLE reviews (

review\_id INT PRIMARY KEY AUTO\_INCREMENT,

client\_id INT,

freelancer\_id INT,

rating INT CHECK (rating BETWEEN 1 AND 5),

review\_text TEXT,

review\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

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

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

);