REGISTRATION INFO STORING TABLE:

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL UNIQUE,

contact VARCHAR(10) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

role ENUM('farmer', 'buyer') NOT NULL,

address TEXT NOT NULL,

photo VARCHAR(255) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE crops (

id INT AUTO\_INCREMENT PRIMARY KEY,

seller\_id INT NOT NULL,

name VARCHAR(100) NOT NULL,

season VARCHAR(50),

weight DECIMAL(10,2) NOT NULL,

description TEXT,

image VARCHAR(255),

auction\_timeline INT NOT NULL, -- In days

starting\_price DECIMAL(10,2) NOT NULL,

status ENUM('available', 'sold', 'inactive') DEFAULT 'available',

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (seller\_id) REFERENCES users(id) ON DELETE CASCADE

);

CREATE TABLE auctions (

id INT AUTO\_INCREMENT PRIMARY KEY,

crop\_id INT NOT NULL,

start\_date DATETIME DEFAULT CURRENT\_TIMESTAMP,

end\_date DATETIME NOT NULL,

highest\_bid\_id INT DEFAULT NULL,

status ENUM('active', 'closed') DEFAULT 'active',

FOREIGN KEY (crop\_id) REFERENCES crops(id) ON DELETE CASCADE

);

CREATE TABLE bids (

id INT AUTO\_INCREMENT PRIMARY KEY,

crop\_id INT NOT NULL,

user\_id INT NOT NULL,

amount DECIMAL(10,2) NOT NULL,

status ENUM('active', 'won', 'lost') DEFAULT 'active',

bid\_time TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (crop\_id) REFERENCES crops(id) ON DELETE CASCADE,

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

);

CREATE TABLE orders (

id INT AUTO\_INCREMENT PRIMARY KEY,

crop\_id INT NOT NULL,

user\_id INT NOT NULL,

quantity INT NOT NULL,

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

status VARCHAR(50) DEFAULT 'pending',

order\_date DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (crop\_id) REFERENCES crops(id) ON DELETE CASCADE,

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

);

CREATE TABLE notifications (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

title VARCHAR(255) NOT NULL,

message TEXT NOT NULL,

is\_read TINYINT(1) DEFAULT 0,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

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

);