1. Database

-- USERS TABLE

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

full\_name VARCHAR(100),

email VARCHAR(100) UNIQUE,

password VARCHAR(255),

phone VARCHAR(20),

avartarUrl varchar(255),

Gender ENUM(‘Male’,’Female’,’Other’) NULL DEFAULT ‘Other’,

role ENUM('ADMIN', 'EMPLOYER', 'CANDIDATE') NOT NULL,

status ENUM('ACTIVE', 'INACTIVE') DEFAULT 'ACTIVE',

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP

);

-- EMPLOYERS TABLE

CREATE TABLE employers (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT UNIQUE,

company\_name VARCHAR(255),

company\_size VARCHAR(50),

address TEXT,

website VARCHAR(255),

description VARCHAR(255),

logo\_url VARCHAR(255),

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

);

-- CANDIDATES TABLE

CREATE TABLE candidates (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT UNIQUE,

resume\_url VARCHAR(255),

skills TEXT,

location VARCHAR(100),

experience\_level VARCHAR(50),

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

);

-- JOBS TABLE

CREATE TABLE jobs (

id INT AUTO\_INCREMENT PRIMARY KEY,

employer\_id INT,

title VARCHAR(255),

description TEXT,

location VARCHAR(100),

salary\_min DECIMAL(10, 2),

salary\_max DECIMAL(10, 2),

job\_type VARCHAR(50),

status ENUM('PENDING', 'APPROVED', 'REJECTED', 'EXPIRED') DEFAULT 'PENDING',

category VARCHAR(100),

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

expired\_at DATETIME,

FOREIGN KEY (employer\_id) REFERENCES employers(id) ON DELETE CASCADE

);

-- APPLICATIONS TABLE

CREATE TABLE applications (

id INT AUTO\_INCREMENT PRIMARY KEY,

candidate\_id INT,

job\_id INT,

resume\_url VARCHAR(255),

status ENUM('PENDING', 'REVIEWED', 'SHORTLISTED', 'REJECTED', 'ACCEPTED') DEFAULT 'PENDING',

score DECIMAL(5, 2),

applied\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (candidate\_id) REFERENCES candidates(id),

FOREIGN KEY (job\_id) REFERENCES jobs(id)

);

-- SERVICE PACKAGES

CREATE TABLE service\_packages (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(50),

price DECIMAL(10, 2),

duration\_days INT,

job\_post\_limit INT,

resume\_access BOOLEAN,

description TEXT

);

-- SUBSCRIPTIONS TABLE

CREATE TABLE subscriptions (

id INT AUTO\_INCREMENT PRIMARY KEY,

employer\_id INT,

package\_id INT,

start\_date DATE,

end\_date DATE,

payment\_method VARCHAR(50),

amount\_paid DECIMAL(10, 2),

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (employer\_id) REFERENCES employers(id),

FOREIGN KEY (package\_id) REFERENCES service\_packages(id)

);

-- BANNERS TABLE

CREATE TABLE banners (

id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(100),

image\_url VARCHAR(255),

link\_url VARCHAR(255),

position ENUM('HOMEPAGE\_TOP', 'SIDEBAR', 'FOOTER'),

start\_date DATE,

end\_date DATE,

status ENUM('ACTIVE', 'INACTIVE') DEFAULT 'ACTIVE'

);

-- NOTIFICATIONS TABLE

CREATE TABLE notifications (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

message TEXT,

type ENUM('EMAIL', 'SMS', 'IN\_APP'),

status ENUM('UNREAD', 'READ') DEFAULT 'UNREAD',

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

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

);

-- SYSTEM SETTINGS

CREATE TABLE system\_settings (

id INT AUTO\_INCREMENT PRIMARY KEY,

setting\_key VARCHAR(100) UNIQUE,

setting\_value TEXT

);

-- SAVED SEARCHES

CREATE TABLE saved\_searches (

id INT AUTO\_INCREMENT PRIMARY KEY,

candidate\_id INT,

keyword VARCHAR(100),

location VARCHAR(100),

salary\_min DECIMAL(10, 2),

salary\_max DECIMAL(10, 2),

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (candidate\_id) REFERENCES candidates(id)

);

-- FAVORITE JOBS

CREATE TABLE favorite\_jobs (

id INT AUTO\_INCREMENT PRIMARY KEY,

candidate\_id INT,

job\_id INT,

saved\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (candidate\_id) REFERENCES candidates(id),

FOREIGN KEY (job\_id) REFERENCES jobs(id)

);

CREATE TABLE messages (

id INT AUTO\_INCREMENT PRIMARY KEY,

sender\_id INT,

receiver\_id INT,

content TEXT,

sent\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

status ENUM('SENT', 'SEEN') DEFAULT 'SENT',

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

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

);

CREATE TABLE feedbacks (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

subject VARCHAR(100),

message TEXT,

submitted\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

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

);

CREATE TABLE recent\_searches (

id INT AUTO\_INCREMENT PRIMARY KEY,

candidate\_id INT,

keyword VARCHAR(100),

location VARCHAR(100),

searched\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (candidate\_id) REFERENCES candidates(id)

);

CREATE TABLE job\_recommendations (

id INT AUTO\_INCREMENT PRIMARY KEY,

candidate\_id INT,

job\_id INT,

reason TEXT,

recommended\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (candidate\_id) REFERENCES candidates(id),

FOREIGN KEY (job\_id) REFERENCES jobs(id)

);

GO

CREATE TABLE transactions (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

package\_id INT,

amount DECIMAL(18,2) NOT NULL,

payment\_method VARCHAR(50),

status VARCHAR(20),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

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

FOREIGN KEY (package\_id) REFERENCES service\_packages(id)

);

-- Bảng 'carts'

CREATE TABLE IF NOT EXISTS carts (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

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

);

CREATE TABLE IF NOT EXISTS cart\_items (

id INT PRIMARY KEY AUTO\_INCREMENT,

cart\_id INT NOT NULL,

package\_id INT NOT NULL, -- Đây là ID của gói dịch vụ

quantity INT NOT NULL DEFAULT 1,

price\_at\_addition DECIMAL(10, 2) NOT NULL,

added\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (cart\_id) REFERENCES carts(id) ON DELETE CASCADE,

FOREIGN KEY (package\_id) REFERENCES service\_packages(id) ON DELETE RESTRICT -- Đã thay đổi thành service\_packages

);

CREATE TABLE IF NOT EXISTS orders (

id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT NOT NULL,

order\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

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

status ENUM('pending', 'completed', 'cancelled', 'failed') DEFAULT 'pending',

payment\_method VARCHAR(50),

payment\_status ENUM('paid', 'unpaid', 'refunded') DEFAULT 'unpaid',

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

);

CREATE TABLE IF NOT EXISTS order\_items (

id INT PRIMARY KEY AUTO\_INCREMENT,

order\_id INT NOT NULL,

package\_id INT NOT NULL, -- Đây là ID của gói dịch vụ

quantity INT NOT NULL,

price\_per\_item DECIMAL(10, 2) NOT NULL,

subtotal DECIMAL(10, 2) NOT NULL,

FOREIGN KEY (order\_id) REFERENCES orders(id) ON DELETE CASCADE,

FOREIGN KEY (package\_id) REFERENCES service\_packages(id) ON DELETE RESTRICT -- Đã thay đổi thành service\_packages

);