BACKUP CODES

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL

);

CREATE TABLE flights (

id INT AUTO\_INCREMENT PRIMARY KEY,

flight\_number VARCHAR(50) NOT NULL,

source VARCHAR(255) NOT NULL,

destination VARCHAR(255) NOT NULL,

departure\_date DATE NOT NULL,

price DECIMAL(10, 2) NOT NULL

);

CREATE TABLE bookings (

id INT AUTO\_INCREMENT PRIMARY KEY,

flight\_id INT NOT NULL,

username VARCHAR(255) NOT NULL,

passenger\_name VARCHAR(255) NOT NULL,

booking\_date DATETIME NOT NULL,

status ENUM('confirmed', 'cancelled') DEFAULT 'confirmed',

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

FOREIGN KEY (flight\_id) REFERENCES flights(id),

FOREIGN KEY (username) REFERENCES users(username)

);

CREATE TABLE transactions (

id INT AUTO\_INCREMENT PRIMARY KEY,

booking\_id INT NOT NULL,

username VARCHAR(255) NOT NULL,

amount DECIMAL(10, 2) NOT NULL,

transaction\_type ENUM('payment', 'refund', 'refunded') NOT NULL,

transaction\_date DATETIME DEFAULT CURRENT\_TIMESTAMP,

status ENUM('success', 'failed') NOT NULL,

payment\_method ENUM('credit\_card', 'paypal') NOT NULL,

discount\_applied DECIMAL(10, 2) DEFAULT 0,

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

FOREIGN KEY (username) REFERENCES users(username)

);

CREATE TABLE feedback (

id INT AUTO\_INCREMENT PRIMARY KEY,

booking\_id INT NOT NULL,

username VARCHAR(255) NOT NULL,

rating INT CHECK (rating BETWEEN 1 AND 5),

comments TEXT,

feedback\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

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

FOREIGN KEY (username) REFERENCES users(username)

);

CREATE TABLE notifications (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(255) NOT NULL,

message TEXT NOT NULL,

is\_read BOOLEAN DEFAULT FALSE,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (username) REFERENCES users(username) ON DELETE CASCADE

);

CREATE TABLE loyalty\_points (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

points INT DEFAULT 0,

total\_points\_left INT DEFAULT 0,

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

);