TASK 1 = CREATING ER DIAGRAMS

CREATE DATABASE Ticket\_System;

USE Ticket\_System;

CREATE TABLE Venue (

venue\_id INT PRIMARY KEY AUTO\_INCREMENT,

venue\_name VARCHAR(255) NOT NULL,

address TEXT

);

CREATE TABLE Event (

event\_id INT PRIMARY KEY AUTO\_INCREMENT,

event\_name VARCHAR(255) NOT NULL,

event\_date DATE NOT NULL,

event\_time TIME NOT NULL,

venue\_id INT,

total\_seats INT NOT NULL,

available\_seats INT NOT NULL,

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

event\_type ENUM('Movie', 'Sports', 'Concert') NOT NULL,

FOREIGN KEY (venue\_id) REFERENCES Venue(venue\_id) ON DELETE CASCADE

);

CREATE TABLE Customer (

customer\_id INT PRIMARY KEY AUTO\_INCREMENT,

customer\_name VARCHAR(255) NOT NULL,

email VARCHAR(255) UNIQUE NOT NULL,

phone\_number VARCHAR(15) NOT NULL

);

CREATE TABLE Booking (

booking\_id INT PRIMARY KEY AUTO\_INCREMENT,

customer\_id INT,

event\_id INT,

num\_tickets INT NOT NULL,

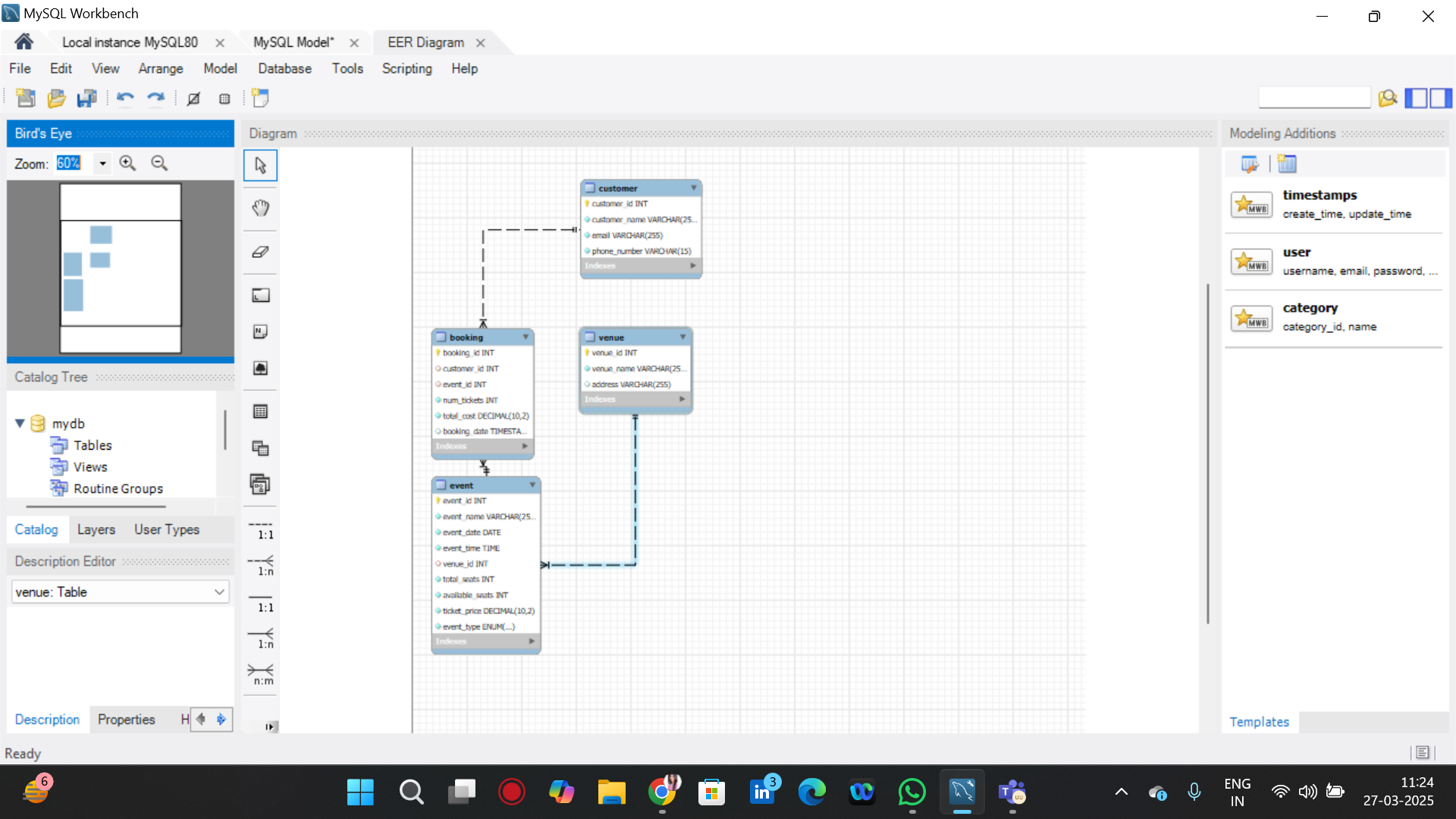
total\_cost DECIMAL(10,2) NOT NULL,

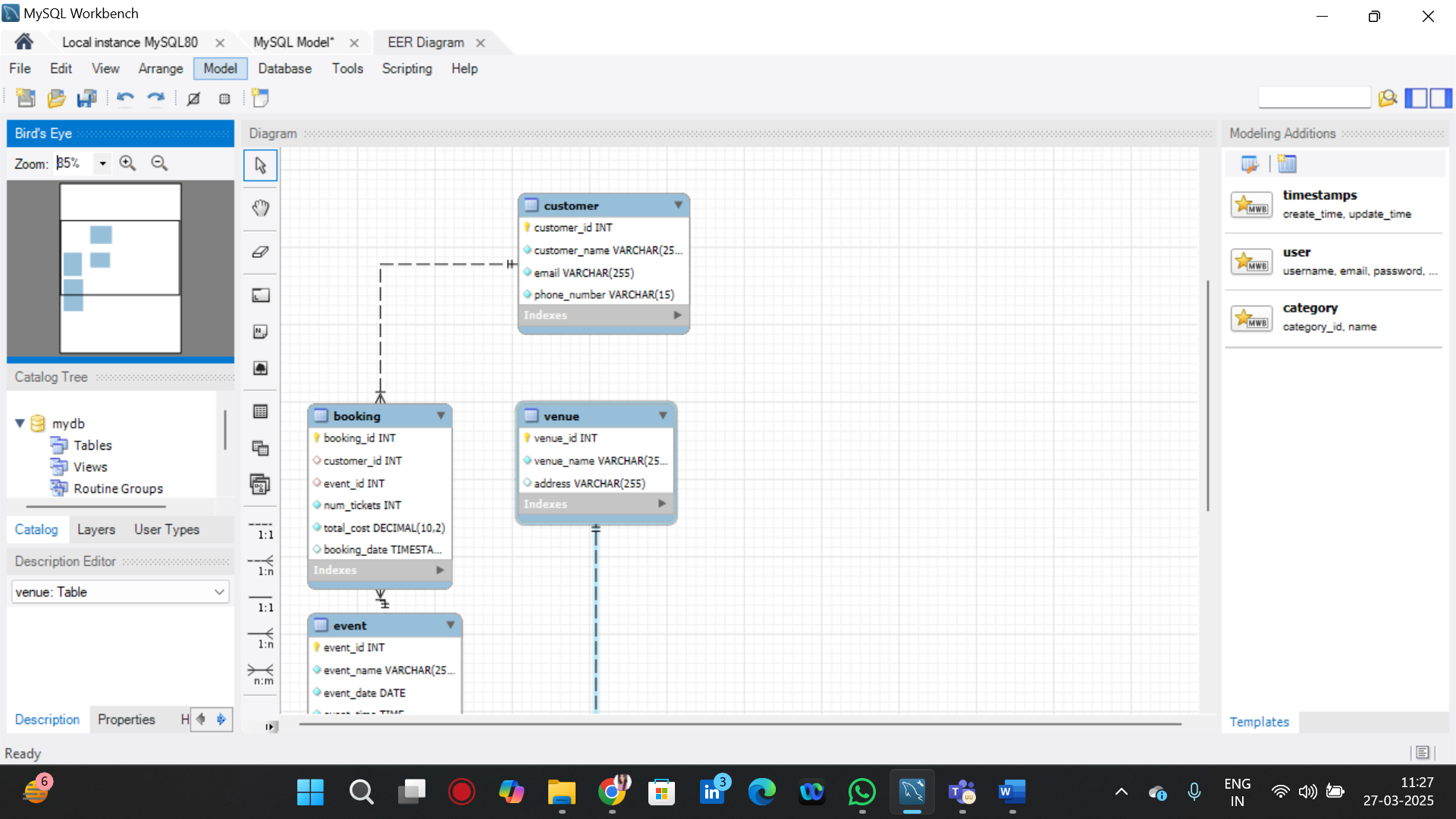
booking\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (customer\_id) REFERENCES Customer(customer\_id) ON DELETE CASCADE,

FOREIGN KEY (event\_id) REFERENCES Event(event\_id) ON DELETE CASCADE

);





TASK 1 = CREATING APPROPRIATE PRIMARY KEY AND FOREIGN KEY CONSTRAINTS FOR REFERENTIAL INTEGRITY.

SHOW CREATE TABLE event;

SHOW CREATE TABLE booking;

