DROP DATABASE IF EXISTS bms;

CREATE DATABASE bms;

USE bms;

CREATE TABLE banquets (

bin INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

banquet\_date DATETIME NOT NULL,

address VARCHAR(255) NOT NULL,

location VARCHAR(255),

contact\_first\_name VARCHAR(100),

contact\_last\_name VARCHAR(100),

available ENUM('Y', 'N') NOT NULL,

quota INT NOT NULL

);

CREATE TABLE attendees (

first\_name VARCHAR(100) NOT NULL,

last\_name VARCHAR(100) NOT NULL,

address VARCHAR(255),

attendee\_type ENUM('staff', 'student', 'alumni', 'guest') NOT NULL,

email VARCHAR(255) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

mobile\_number CHAR(8),

affiliated\_organization ENUM('PolyU', 'SPEED', 'HKCC', 'others'),

PRIMARY KEY (email)

);

2.5 Create the table of meals

CREATE TABLE meals (

id INT AUTO\_INCREMENT PRIMARY KEY,

banquet\_bin INT,

type VARCHAR(100),

name VARCHAR(100),

price DECIMAL(10, 2),

special VARCHAR(255),

FOREIGN KEY (banquet\_bin) REFERENCES banquets(bin) ON DELETE CASCADE

);

2.6 Create the table of registrations

CREATE TABLE registrations (

registration\_id INT AUTO\_INCREMENT PRIMARY KEY,

attendee\_email VARCHAR(255) UNIQUE NOT NULL,

banquet\_bin INT,

drink\_choice VARCHAR(100),

meal\_choice VARCHAR(100),

remarks VARCHAR(255),

registration\_time DATETIME DEFAULT CURRENT\_TIMESTAMP,

seat\_number INT,

FOREIGN KEY (attendee\_email) REFERENCES attendees(email) ON DELETE CASCADE,

FOREIGN KEY (banquet\_bin) REFERENCES banquets(bin) ON DELETE CASCADE

);

2.7 Create the table of seats

CREATE TABLE seats (

seat\_number INT PRIMARY KEY,

banquet\_bin INT,

attendee\_email VARCHAR(255),

FOREIGN KEY (banquet\_bin) REFERENCES banquets(bin) ON DELETE CASCADE,

FOREIGN KEY (attendee\_email) REFERENCES attendees(email) ON DELETE SET NULL

);

2.8 Check MySQL database

SHOW DATABASES;

USE bms;

SHOW TABLES;

DESCRIBE banquets;

