GROUP 27

**Banquet Management System (BMS)**

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**Introduction**

Welcome to the Banquet Management System (BMS). This software is designed to streamline the planning, management, and execution of banquet events. It allows users to efficiently organize, search or register banquets.

**Setup**

We need to set up the MySQL by the following steps.

1 Delete the original database.

DROP DATABASE IF EXISTS bms;

2 Create a new database

CREATE DATABASE bms;

USE bms;

3 Create the table of banquets

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

);

4 Create the table of attendees

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)

);

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

);

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

);

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

);

8 Check MySQL database

SHOW DATABASES;

USE bms;

SHOW TABLES;

DESCRIBE banquets;

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**Using the BMS**

**1 Administrator**

If you are an administrator who wants to organize banquets to manage banquet details and information about attendees, please choose 1 in the first step. There will be 8 functions for users to choose from.

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自動產生的描述 A screenshot of a computer program

描述已自动生成

1.1 Create banquet

Choose 1 and enter the banquet information in order according to the interface, including name, date and time, address, location, contact person's first name and last name, banquet availability, and quota. Also, the banquet needs to provide 4 meals; each meal needs to provide its type, name, price, and special requirements.

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1.2 Update banquet information

Choose 2 to update the banquet information and enter the new information in order. If there is some information no need to change, then press the enter button.

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1.3 Query banquet information

Choose 3 and enter the banquet ID that want to query.

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1.4 Delete a banquet

Choose 4 and enter the banquet ID that you want to delete.

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1.5 Manage attendee information

Choose 5, and there will be 2 options to choose from, including viewing and updating the attendee information.

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1.5.1 View attendee information

Choose 1 on the attendee management page and enter the attendee email that you want to view.

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1.5.2 Update attendee information

Choose 2 on the attendee management page and enter the attendee email that you want to update.

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1.6 Generate Reports

Choose 6 and there will be 3 types of report to choose from, registration status report, popular meals report and seating plan report.

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1.7 Seat Planning

Choose 7, and there will be 2 options to choose from: assign seats and list the seats for the banquet.

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1.7.1 Assign seat

Choose 1 and enter the banquet ID, seat no., and the attendee email.

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1.7.2 List seats for banquet

Choose 2 and enter the banquet ID.

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1.8 Registration Tracking

Choose 8 and there will be 2 options to choose from, view all registrations and query registration by entering the attendee email.

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**2 Attendee**

If you are an attendee who wants to attend the banquet, please choose 2 in the first step.

2.1 Sign up

If you are a user who is the first time to use our system, please sign up first by entering your personal information, including first name and last name, address, attendee type, email, password, mobile number, and the affiliated organization.

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2.2 Login

If you have an account for our system, you can log in to the page by choosing 2 and entering the account information, including email and password. There will be 5 functions for users to choose from.

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2.3 View profile

Choose 1 to view your personal information that is stored in our system.

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2.4 Update profile

Choose 2 to update the personal information and enter the new information in order. If there is some information no need to change, then press the enter button.

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2.5 View available banquets

Choose 3 to check which banquet is available to attend.

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2.6 Register for banquet

Choose 4 and enter the banquet ID that you want to register. And there will be different types of drinks and meals for you to choose from. If you have any other requirements, you can add in remarks.

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2.7 Search my registration

Choose 5 and enter either by name or the date of the banquet you want to search.

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If the user wants to update the registration detail, they can enter “Y” and follow the interface to update.

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**Troubleshooting**

There may be some problems that will occur when using our BMS. Here are the solving ways.

1. Check the correct database is setup.

Please refer to the setup on page 3 of the user guide; the database needs to be set up by those steps correctly.

1. Check that database.java has the correct username and password.

In the system code provided, there is a file called Database.java. The user needs to change the User and Password with their own database username and password. Otherwise, it will fail to connect to the database.

1. Check all inputs are correct.

Please input the correct data according to the instructions of the interface.

1. Check whether the dependent files are present. Please download JDBC program and include it in the path to set up.

**Support and Resources**

If you require further assistance, please contact our technical support team:

* **Email Support**: [support@example.com](mailto:support@example.com)
* **Phone Support**: +1 (010) 101-10101 (Available Monday to Friday, 9 AM - 5 PM EST)
* **Live Chat**: Visit [www.group27.com/chat](http://www.group27.com/chat) for real-time assistance.
* **Community Forums**: Join discussions and find solutions on our user community forum at forums.bms.com.

Thank you for choosing the Banquet Management System (BMS). We hope this manual helps you set up and make the most of the system for your banquet events!