# **COMP 2411- DATABASE MANAGEMENT SYSTEM** Group Project Group #1

# **USER GUIDE**

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# 1. Set Up the Banquet Management Project

This guide will walk you through setting up and running the Banquet Management System project.

#### Step 1: Download or Clone the Project

Option 1: On the Blackboard, you can see our project folder as zipped. You can extract the ZIP file on your system.

Option 2: Visit the GitHub repository:

https://github.com/CLEM-9/DBS---Group-Project-COMP2411.git

- a) Click the green Code button and select Download ZIP. Extract the ZIP file to a folder on your system.
- b) Open your terminal or command prompt. Run the following command: git clone <a href="https://github.com/CLEM-9/DBS---Group-Project-COMP2411.git">https://github.com/CLEM-9/DBS---Group-Project-COMP2411.git</a> cd <folder-name>

# Step 2: Create Database

Our project is designed to automatically create the database and its tables, as well as upload test data, once you run the application (see Step 5). Alternatively, if manual setup is preferred, you can use the provided SQL file to accomplish the same tasks.

# Step 3: Install Required Python Packages

- 1. Ensure you have Python and MySQL installed on your system.
- 2. Install the required Python packages by executing the requirements.txt file.
  - Open a terminal or command prompt in the project folder.
  - Run the following command:

```
pip install -r requirements.txt
```

This will install the following dependencies:

- - mysql-connector-python~=9.1.0
- - pandas==2.0.3
- - openpyxl==3.1.2
- tabulate==0.9.0

- - matplotlib==3.8.0
- - numpy~=1.26.4
- - fonttools~=4.51.0

# Step 4: Prepare MySQL Credentials

Ensure MySQL is installed and running on your system. Have your MySQL localhost password ready, as the program will require it to connect to the database. If you do not wish to use the root@localhost user in MySQL, you can modify the host and username in the source/db connection.py file on lines 27 and 28.

```
# Attempt to establish a connection
connection = mysql.connector.connect(
host='localhost',
user='root',
password=password

)
```

Figure 1 db connection.py file

The database and test data will be automatically created in MySQL by the Python scripts after you enter your root@localhost password.

# Step 5: Run the Application

- 1. Navigate to the project folder if not already there. Navigate to source folder.
- 2. Execute the main script: python main.py
- 3. If you have Visual Studio Code or another integrated development environment (IDE) installed, you can simply run the main.py script directly.
- 4. Follow the on-screen prompts to use the system.

# Prerequisites

Before running the application, ensure the following:

- Python: Installed on your system (Python 3.7 or above is recommended).
- MySQL: Installed and running on your system.

# 2. How to Use BMS Application

#### **OVERVIEW OF APPLICATION USER CAPABILITIES**

Before demonstrating how to use the dashboards, the actions that application users can perform within the system are outlined below.

#### **Attendees**

- •Search for banquets using filters or view all available banquets.
- •Register for banquets with valid ID and select meals.
- •Update account details like email, password, and address.
- •View, edit, or delete their banquet registrations.
- •Logout from the system.

#### **Administrators**

- •Create new banquets with meals and drinks.
- •View, edit, or delete banquet details.
- •Search for and update attendee information.
- •Generate reports on registration, meals, and attendance.
- •Logout from the system.

### WELCOME PAGE

After executing the main.py file, you will see the following message in the terminal. Enter your MySQL password in the prompt and press **Enter** to proceed. Upon successful connection, you will be directed to the **Welcome Page** (see Figure 3).

Figure 2 MySQL password screen

Once the program starts, the system displays a welcome message and provides the menu's options.

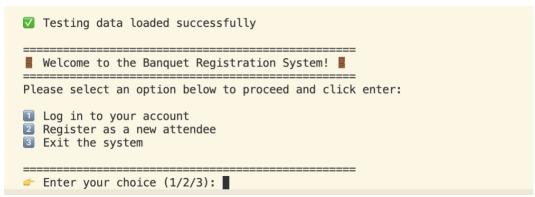


Figure 3 Welcome Page

**Note:** For the navigation through the application, you will see the prompt:

Enter your choice (1/2/3):

To proceed, type the corresponding number for your desired action and press **Enter.** To ensure proper navigation, the system validates user input for menu options. If you type anything other than the numbers presented in the menu, the system will display a warning and show the current screen again (see Figure 4). This prevents invalid inputs from disrupting the application's flow.

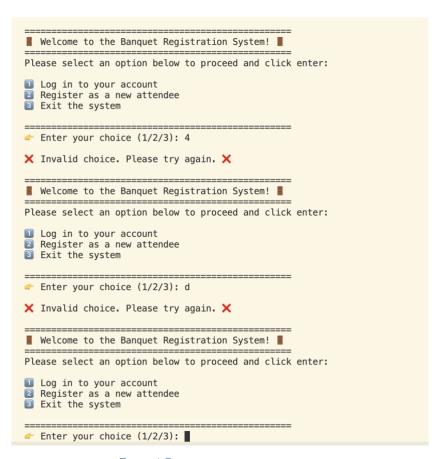


Figure 4 Giving wrong input to navigation

# Option 1: Log in to your account

- 1. Select 1 at the prompt and press **Enter**.
- 2. Choose this option if you are an attendee or administrator with an existing account.
  - 3. Upon successful login, you will access your Admin/Attendee Page.

**Note:** If incorrect credentials are entered, the system will display a warning message and return you to the Welcome Page (see Figure 6).

```
Enter your choice (1/2/3): 1

Login to Your Account
## to quit anytime

Enter Email: jane.johnson@email.com
Enter Password: rF6wfNYT
```

Figure 5 Login Screen

```
Login to Your Account
  ## to quit anytime
Enter Email: grace.doe@example.com
Enter Password: grace123
Authenticating your credentials... 💿
Login failed. Please try again.
🗶 Invalid email or password. Please check your credentials and try again. 🗶
Enter Email: ##
Please select an option below to proceed and click enter:
Log in to your account
Register as a new attendee
Exit the system
_____
                   _____
```

Figure 6 Welcome Page After Entering Wrong Credentials

# Option 2: Register as a new attendee

- 1. Select **2** at the prompt and press **Enter**.
- 2. Select this option to create a new attendee account.
- 3. Follow the on-screen instructions to input your details and complete the registration process (see Figure 7).

```
Enter your choice (1/2/3): 2

Register as a New Attendee

Enter Email: example@gmail.com
Enter Password: password123
Enter First Name: Buse
Enter Last Name: Ozkan
Enter Phone Number: 12345678
Enter Address: Hung Hom PolyU Halls
Enter Attendee Type (Student, Alumni, Staff, Guest): Student
Enter Affiliate Organization: PolyU

Validating your information... 
Registration successful! Welcome, Buse. You can now explore your dashboard!
```

Figure 7 Register as a New Attendee

**Note:** The system ensures that all inputs during the registration process are properly formatted and complete to prevent errors or incomplete user data. If the user provides incorrect input, an appropriate message is displayed to guide them to correct their entry (see Figure 8).



Figure 8 System messages when empty or wrong formatted input is given

**Note:** During the registration process, the system checks whether the provided email already exists in the database. If it does, the user receives appropriate feedback to use a different email or log in if they already have an account (see Figure 9).

```
Register as a New Attendee
Enter Email: buse@gmail.com
	imes This email is already registered. Please log in or use a different email to register. 	imes
Enter Email:
```

Figure 9 Trying to register with an existing email

# Option 3: Exit the system

If you choose option 3, the system will terminate, and you will exit the application.

```
👋 Thank you for using the Banquet Registration System!
Goodbye! Have a great day! 💢
buseozkan@Buse-MacBook-Pro-2 DBS---Group-Project-COMP2411 %
```

Figure 10 Exit the System

#### ATTENDEE DASHBOARD

Upon successfully logging in or completing the registration process, attendees will see the following dashboard:



Figure 11 Attendee's Dashboard

# Option 1: Search for a Banquet

The user can search for banquets using four filters: **Banquet Name**, **Banquet Date**, **Banquet Address**, and **Banquet Location**. However, all these filters are optional, and the user can leave any or all of them blank.

•Banquet Date: If the date is provided, it must be entered in the specified format (YYYY-MM-DD). If the format is incorrect or the date is omitted, the system will display a warning.

Based on the filters entered, the system processes the search and presents the filtered banquet results to the user, as shown in the image.

As stated in the terminal instructions, the user should note down the **Banquet ID** of the desired banquet. This ID will be required to register for the banquet using **Option 2** (**Register for a banquet**) in the main menu.

If the user wants to see all the banquets, they can leave all the fields blank and press Enter, as shown in Figure 12. This will display all available banquets.

```
← Enter your choice (1-5): 1

    Search for a Banquet

Enter the details to filter, or leave fields blank to skip.
Note down the Banquet ID which you want to register.
  Banquet Name:
Banquet Date (YYYY-MM-DD):
Banquet Address:
P Banquet Location:
Searching for banquets... 🕑

✓ Search Results:

Banquet 1:
   D BID: 1
    Name: Graduation Banquet
    🏠 Address: 123 Elm St
    P Location: Ballroom
   77 Date & Time: 2022-06-30 at 18:00:00
    Available: Yes
    ₩ Total Seats: 100
```

Figure 12 Search for a Banquet

Alternatively, the user can enter information into the desired filter fields, and the system will display the banquets that meet all the specified criteria.

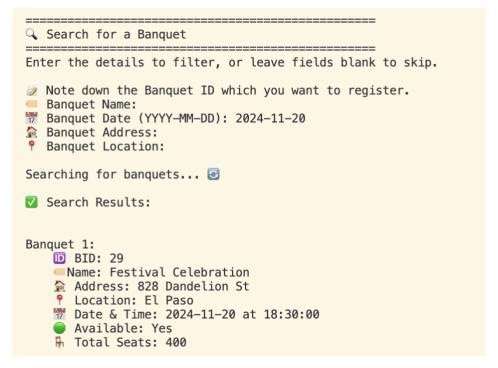


Figure 13 Filtering with date

# Option 2: Register for a Banquet

To register for a banquet, the user utilizes the **Register for a Banquet** functionality. Here, the user is required to input the ID of the banquet they wish to register for.

#### •If the user is already registered for the banquet:

The system notifies the user and redirects them back to the attendee dashboard.

#### •If the user is not already registered:

The registration process continues. The user is prompted to provide additional required information. If there are enough seats available for the banquet, the user is successfully registered. The system then requests input for meal selection.

The available meals, along with their prices, are displayed on the terminal. During this step, the system ensures that the user enters valid input. If the user provides incorrect input (e.g., an invalid meal name), the system rejects it and continues to prompt the user until a valid meal name is entered.

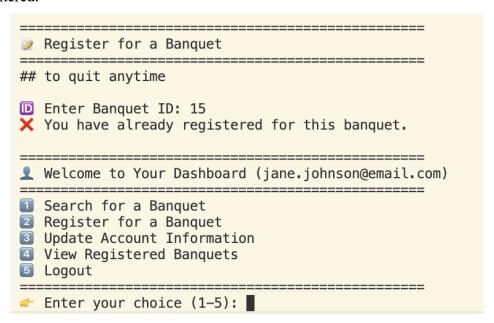


Figure 14 Attendee tries to register a banquet she already did

```
Register for a Banquet
Enter Banquet ID: 1
Banquet Meals:
Beef Steak, $46.00
Seafood Paella, $35.00
Vegan Burger, $18.00
Vegetarian Lasagna, $19.00
Enter Meal Name: Beef Steak
Banquet Drinks:
Cola, $10.00
Lemonade, $9.00
Orange Juice, $12.00
Do you want an alcoholic drink? (Yes/No): Yes
Special Needs (or press Enter for None):
Seating Preferences:
Enter Email of first preference (or press Enter to skip):
Registration successful!
Assigned Seat: Information will be provided at a later date.
Banquet 1
Meal: Beef Steak
Alcoholic Drink: True
```

Figure 15 Registering banquet process

# Option 3: Update Account Information

The user can update the information displayed on the screen, such as email, password, first name, last name, phone number, address, attendee type, and affiliate organization. If the user does not wish to update a specific field, they can simply press **Enter** to skip that field without making any changes.

If the user enters an input in the wrong format (e.g., invalid email or an unsupported attendee type), the system will reject the input, provide appropriate feedback, and prompt the user to reenter the information correctly. This behavior is consistent with how the system validates inputs in the **Register as a New Attendee** section.

```
Enter your choice (1-5): 3

Press: 'Enter' to leave information fields empty
Type: '##' to quit any operation

Update Your Account Information

Enter Email:
Enter Password:
Enter First Name: Buse
Enter Last Name:
Enter Address:
Enter Address:
Following fields are successfully updated:
email = emily.doe@email.com
firstName = Buse
```

Figure 16 Update Account Information

### Option 4: View Registered Banquets

If the user has not registered for any banquet, a message similar to the one shown in the figure below is displayed, and the user is redirected back to the attendee dashboard.

```
Enter your choice (1-5): 4

Registered Banquets

No registered banquets.
```

Figure 17 No Registered Banquet

If the user has previously registered for any banquets, those banquets are displayed, and the user is presented with three options: **Delete Registration**, **Edit Registration**, or **Go Back to Dashboard**.

#### •Delete Registration:

The user can delete their registration for a banquet by providing the banquet's ID. This will remove their registration for the selected banquet.

#### •Edit Registration:

If the user wants to make changes to their banquet registration, they can choose this option. The system allows the user to update specific details related to their registration. Fields the user does

not wish to change can be skipped by pressing **Enter**, while fields to be updated can be modified by providing the new input.

#### •Go Back to Dashboard:

The user can choose to return to the attendee dashboard without making any changes.

The system performs input validation during this process to ensure that all inputs are correctly formatted and valid. If an invalid input is provided, the system will reject it and prompt the user to re-enter the correct information.

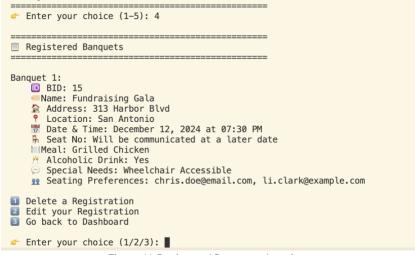


Figure 18 Registered Banquets Interface

```
Delete your Registration

Enter Banquet ID to delete the registration: 2

Are you sure you want to delete a registration? (Yes/No): Yes User Registration deleted successfully.
```

Figure 19 Delete Registration

Figure 20 Edit Registration

# Option 5: Logout

To log out of your account, simply type 5 and press Enter. To exit the system type 3 and press enter.

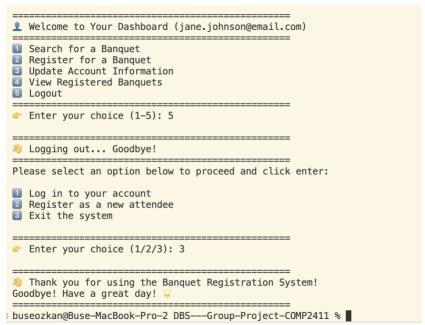


Figure 21 Logout from Attendees Dashboard

#### ADMINISTRATOR DASHBOARD

Upon successfully logging, administrators will see the following dashboard:

```
Authenticating your credentials...  

Login successful! Welcome back Administrator!  

Admin Dashboard (Logged in as: barbara.jackson@adminportal.com)  

Please choose an action:

Create a New Banquet
Search for Banquets
Edit Banquet
Search for Attendees
Edit Attendee Information
Generate Reports
Logout

Enter your choice (1-8):
```

Figure 22 Administrator's Dashboard

# Option 1: Create a New Banquet

Administrators can create a new banquet by providing details such as the banquet name, date, time, location, address, and the total number of seats. During this process, they are also prompted to assign meals and drinks to the banquet.

#### **Required Fields:**

- •Banquet Name: Cannot be empty.
- •Banquet Date: Must be entered in the YYYY-MM-DD format.
- •Banquet Time: Must be entered in the HH:MM:SS format.
- •Banquet Location and Address: Cannot be left blank.
- •Total Seats: Must be a valid numerical input.

The system ensures input validation for all fields. If an invalid format is detected, the system will reject the input and prompt the user to try again.

Additionally, administrators are required to assign meals to the banquet. All available meals are displayed in the terminal, and the administrator is prompted to enter the names of four meals to assign to the banquet.,

#### **Input Validation:**

The system ensures that the meals entered are valid by checking if they exist in the list of available meals.

- •If a meal name is entered incorrectly or left blank, the system will reject the input and prompt the administrator to re-enter the meal name until a valid one is provided.
- •If the same meal is entered more than once, the system will display an error message and request a different meal name.

This process ensures accurate and complete assignment of meals to the banquet.



```
    ✓ Enter Meal Name: Grilled Shrimp
    □ Enter Price for 'Grilled Shrimp': 13
    ☑ Meal 'Grilled Shrimp' added successfully.

    ✓ Enter Meal Name: Grilled Pork Belly
    ☑ Enter Price for 'Grilled Pork Belly': 12
    ☑ Meal 'Grilled Pork Belly' added successfully.

☑ Meals added successfully

 Drinks for the Banquet
Alcoholic Drinks:
    AleBeerBloody Mary
     BourbonBrandy
     - Champagne
     - Cosmopolitan
- Daiquiri
     - Dalquiri
- Gin
- Long Island Iced Tea
- Mai Tai
- Margarita
- Martini
     - Mojito
- Negroni
- Old Fashioned
- Pina Colada
     - Porter
- Red Wine
     - Rose
     - Sangria
- Scotch
         Spritzer
     - Stout
- Tequila
   - Tequita-
- Vodka
- Whiskey
     - White Wine
Alcohol-Free Drinks:
- Apple Juice
- Berry Blast
     - Cappuccino
- Chamomile Tea
- Cola
     - Espresso
- Ginger Ale
     - Iced Tea
- Latte
     LemonadeMacchiato
     - Mango Smoothie
- Mocha
     - Orange Juice
- Peach Tea
     - Root Beer
- Sparkling Water
- Still Water
At least one drink must be assigned, at most you can assign four di
Enter Drink Name: Sparkling Water

Enter Price for 'Sparkling Water': 12

Enter Drink Name: White Wine

Enter Drink Name: White Wine': 12

Enter Price for 'White Wine': 12

Enter Price Wine') added successfully.
© Enter Price for 'Lemonade': 10 (51, 'Lemonade') added successfully.

Enter Price for 'Lemonade': 10 (51, 'Lemonade') added successfully.

Enter Drink Name: Ginger Ale

Enter Price for 'Ginger Ale': 11 (51, 'Ginger Ale') added successfully.
☑ Drinks added successfully
☑ Banquet created successfully
```

Figure 23Creating a Banquet

# Option 2: Search For Banquets

Administrators can view all the banquets. Each banquet's details are displayed, including the banquet name, address, location, date, time, and availability status.

```
Search for a Banquet
Enter the details to search, or leave fields blank to skip.
Enter Banquet Name: Wedding
The Enter Banquet Date (YYYY-MM-DD):
Enter Address:

₱ Enter Location:
All fields are empty. All banquets will be displayed
Searching for banquets... 😔
Search Results:
Banquet 1:
   D BID: 1
   Mame: Wedding Gala
   Address: 123 Rosewood Ave

↑ Location: New York

   7 Date & Time: 2024-11-25 at 18:00:00
   Available: Yes
   ₼ Total Seats: 200
Banquet 2:
   D BID: 18
   Mame: Wedding Reception
   Address: 616 Lake Shore Dr
    P Location: Austin
   7 Date & Time: 2024-12-09 at 20:00:00
   Available: Yes
   Banquet 3:
   D BID: 51
   Mame: Wedding
   Address: 123 Street

↑ Location: Hung Hom

   77 Date & Time: 2024-10-10 at 12:00:00
   Available: Yes
```

Figure 24 Search Banquet

### Option 3: Edit Banquet

The admin can update specific banquet details such as date, time, or availability. Fields can be skipped by pressing Enter, while modified fields require valid input.

```
■ Press: 'Enter' to leave information fields empty
■ Type: '##' to quit any operation
Enter the details to search, or leave fields blank to skip.
Enter the Banquet ID you want to edit: 51
If you want to skip a field, just press Enter.
Enter Banquet Name:
The Enter Banquet Date (YYYY-MM-DD): 2024-12-20
☼ Enter Banquet Time (HH:MM:SS):
P Enter Location:
Enter Address:
💺 Enter Total Seats:
Enter Staff Email:
Enter Availability (Yes/No): No
Updating banquet... 🕞

☑ Banquet updated successfully.

Do you want to update the meals for this banquet?
This will cause all current meals to be deleted before adding new ones.
Enter your choice (Yes/No): No
Returning to dashboard.
```

Figure 25 Edit Banquet

#### Option 4: Delete Banquet

The admin can delete a banquet by providing the banquet's ID. This action will permanently remove the banquet and its details from the system.

```
Enter your choice (1-8): 4

Press: 'Enter' to leave information fields empty
Type: '##' to quit any operation

Delete a Banquet

Enter the Banquet ID you want to delete: 51

Banquet deleted successfully.
```

Figure 26 Edit Banquet

# Option 5: Search for Attendees

Administrators can search for attendees using their email addresses. If an attendee is found, their details (name, contact information, type, and organization) are displayed.

Admins can choose to edit the attendee's information directly or return to the dashboard. Input validation ensures that only valid updates are made.

```
Enter your choice (1-8): 5

Press: 'Enter' to leave information fields empty
Type: '##' to quit any operation

Search for Attendees

Enter Email: li.johnson@email.com

Search completed! Attendee Information:

Email: li.johnson@email.com
Name: Li Johnson
Phone: 95124573
Address: 968 Cedar St
Type: Staff
Organization: SPEED

Do you want to edit this attendee's information? (Yes/No):
```

Figure 27 Search for Attendees

# Option 6: Edit Attendee Information

Admins can update attendee details such as phone number, address, attendee type, and affiliated organization.

#### •Current Information Displayed:

Before editing, the system shows the attendee's existing details for reference.

#### •Input Validation:

If invalid input (e.g., unsupported attendee type) is entered, the system will reject it and prompt the admin to re-enter the information correctly.

Admins can skip fields they do not wish to update by pressing Enter.

```
Edit Attendee Information

Enter Attendee Email: li.johnson@email.com

Current Information:

Email: li.johnson@email.com

Name: Li Johnson

Phone: 95124573

Address: 968 Cedar St

Type: Staff

Organization: SPEED

Leave fields blank to keep them unchanged.

Enter Phone Number: 51993480

Enter Address:

Enter Address:

Enter Attendee Type (Student, Alumni, Staff, Guest): Alumni

Enter Affiliate Organization:

Updating attendee information... 

Attendee 'li.johnson@email.com' updated successfully! ✓
```

Figure 28 Edit Attendee Information

### Option 7: Generate Reports

Administrators can generate various reports to gain insights into banquet and attendee data. Each report is presented in a tabular format, and some include visualizations such as bar charts or pie charts.

**Note:** To inable to interact with the terminal again, user should close the graph/pie chart via clicking the x.

The report types that available are:

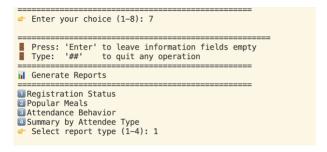


Figure 29 Report Generation Choices

•Registration Status: Displays the total number of registered and available seats for each banquet.

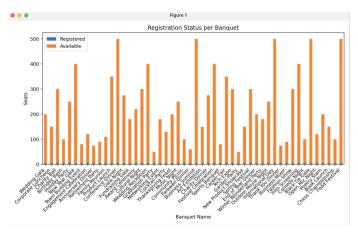


Figure 30 Registration Status Graph

Banquet Name	Total Seats	Registered	Available
Wedding Gala	200	4	196
Corporate Luncheon	150	4	146
Charity Ball	i 300	4	i 296
Birthday Bash	100	4	96
Holiday Party	250	4	246
New Year Gala	400	4	396
Team Building Event	80	4	76
Engagement Celebration	120	4	116
Anniversary Dinner	75	4	71
Retirement Party	90	4	86
Family Reunion	110	4	106
Product Launch	350	4	346
Conference Dinner	500	4	496
Gala Night	275	4	271
Fundraising Gala	180	4	176
Award Ceremony	1 220	4	216
Cultural Night	300	1 4	216
Wedding Reception	1 400	4	396
Graduation Party	50	4	1 46
Networking Event	180	1 4	46   176
	130	1 4	1 126
Cocktail Party		1 4	
Thanksgiving Feast	200		196
Music Night	250	4	246
Community Picnic	100	4	96
Farewell Dinner	60	4	56
Business Summit	500	4	496
Art Exhibition	150	4	146
Charity Dinner	275	4	271
Festival Celebration	400	4	396
Sports Banquet	80	4	76
Career Fair	350	4	346
Tech Expo	300	4	296
Garden Party	50	4	46
New Product Showcase	150	4	146
Spring Festival	300	4	296
End of Year Dinner	200	4	196
Vinter Wonderland Party	180	4	176
Outdoor Movie Night	250	4	246
International Day	500	4	496
Thank You Dinner	75	4	71
Business Mixer	90	4	86
Fashion Show	300	4	296
Film Screening	400	4	396
Comedy Night	100	4	96
Black-Tie Gala	500	4	496
Open Mic Night	120	4	116
Poetry Slam	200	4	196
Book Launch	150	4	146
Chess Championship	100	4	96
Food Festival	500	4	496

Figure 31 Registration Status Terminal Output

•Popular Meals: Lists meals ordered most frequently, along with their popularity metrics.

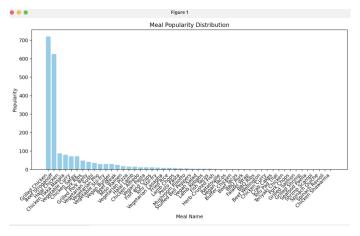


Figure 32 Popular Meals Graph

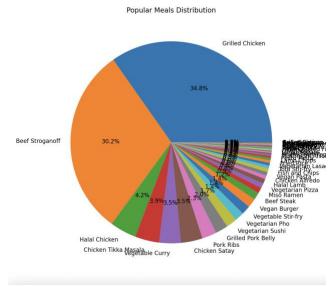


Figure 33 Popular Meals Pie Chart

Meal Name	Popularity
Grilled Chicken	720
Beef Stroganoff	625
Halal Chicken	88
Chicken Tikka Masala	80
Vegetable Curry	72
Chicken Satay	72
Pork Ribs	48
Grilled Pork Belly	42
Vegetarian Sushi	36
Vegetarian Pho	30
Vegetable Stir-fry	30
Vegan Burger	30
Beef Steak	25
Miso Ramen	18
Vegetarian Pizza	16
Halal Lamb	16
Chicken Alfredo	12
Vegan Pasta	12
Fish and Chips	12
Tofu Stir-fry	10
Vegetarian Lasagna	9
Fried Rice	9
Lamb Chops	8
Pesto Pasta	6
Mushroom Risotto	6
Lamb Kebabs	4
Fish Tacos	4
Stuffed Bell Peppers	4
Vegan Salad	4
Herb-Crusted Fish	3
Ratatouille	2
Vegan Tacos	2
Butter Chicken	2 2 2 2 2
Beef Tacos	2
BBQ Pork	2
Grilled Shrimp	1
Grilled Salmon	ī
Pork Chops	1
Teriyaki Chicken	1
Tofu Pad Thai	1
Falafel Wrap	1
Crab Cakes	1
Chicken Curry	1
Beef Wellington	1
BBQ Ribs	1
Seafood Paella	0
Shrimp Scampi	0
Spinach Quiche	0
Spinach Ravioli	0
Chicken Shawarma	0

Figure 34 Popular Meals Terminal

•Attendance Behavior: Tracks attendee numbers over time for different banquets.

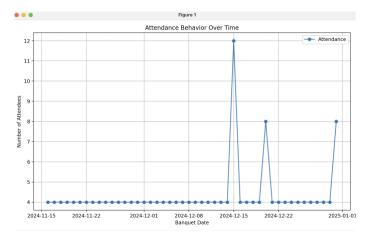


Figure 35 Attendance Behavior Graph

Banquet Date	Attendance
2024-11-16	1 4
2024-11-17	i 4
2024-11-18	i 4
2024-11-19	4
2024-11-20	4
2024-11-21	4
2024-11-22	4
2024-11-23	i 4
2024-11-24	i 4
2024-11-25	4
2024-11-26	4
2024-11-27	4
2024-11-28	4
2024-11-29	i 4
2024-11-30	i 4
2024-12-01	i 4
2024-12-02	i 4
2024-12-03	i 4
2024-12-04	i 4
2024-12-05	i 4
2024-12-06	i 4
2024-12-07	i 4
2024-12-08	i 4
2024-12-09	i 4
2024-12-10	i 4
2024-12-11	i 4
2024-12-12	4
2024-12-13	4
2024-12-14	4
2024-12-15	12
2024-12-16	4
2024-12-17	4
2024-12-18	4
2024-12-19	4
2024-12-20	8
2024-12-21	4
2024-12-22	4
2024-12-23	4
2024-12-24	4
2024-12-25	4
2024-12-26	4
2024-12-27	4
2024-12-28	4
2024-12-29	4
2024-12-30	4
	1 8
2024-12-31	1 0

Figure 36 Attendance Behavior Terminal Output

•Summary by Attendee Type: Provides a breakdown of registrations based on attendee categories (e.g., student, alumni, staff).

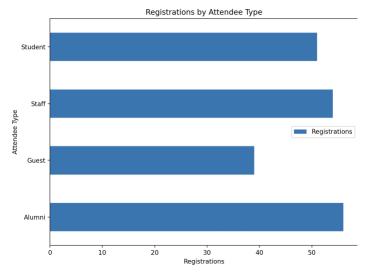


Figure 37 Summary by Attendee Graph

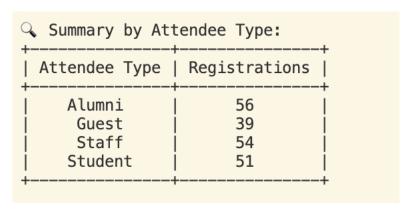


Figure 38 Summary by Attendee Terminal Output

# Option 8: Logout

To log out of your account, simply type 8 and press Enter. To exit the system type 3 and press enter.

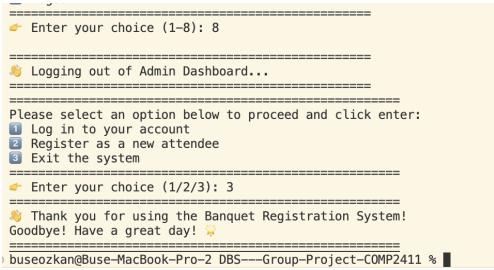


Figure 39 Logout as Admin