**<u>Aim</u>**: To create Use-Case diagram to depict the user's view of the system.

# **Theory:**

# **Food Safety Portal**

To provide an application which allows residents and visitors of a city to find out more about food related aspects about the city. Aspects include information about restaurants and market certifications and what to look for local diets and/or delicacies, or even a restaurant guide.

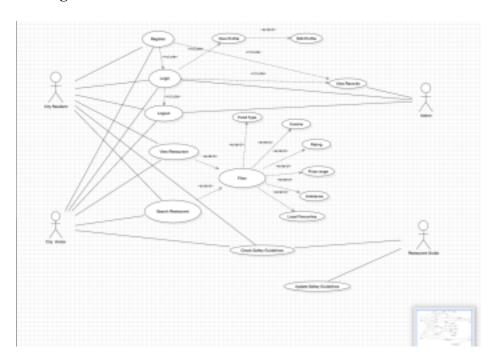
# **Users of the System:**

- 1. City residents
- 2. Visitors
- 3. City employees

# **Three Important Scenarios are:**

- 1. Search Restaurant
- 2. Book and Make Payment
- 3. User Management

# **Use Case Diagram1: Search Restaurant:**



### 1. User Access:

- Residents or visitors can effortlessly register or log in, ensuring a seamless entry into the platform.
- Admin and restaurant guides have dedicated login access, allowing them to fulfill their specific roles within the system.

### 2. Access and Exploration:

- Admin meticulously manages and stores user data, maintaining an organized and structured database for efficient record-keeping.
- Users log in to access the portal, initiating their exploration of restaurants with a primary focus on safety guidelines.
- The login credentials grant access to a personalized experience based on the user type.

### 3. Search Options:

- Users are presented with versatile search options, allowing them to choose between direct restaurant access or applying filters for a refined and customized search experience.
- Admin and restaurant guides utilize their login credentials to access specific functionalities tailored to their roles within the portal.

# 4. Filtering Attributes:

• Users can enhance their search experience by applying filters based on attributes like food category, hygiene standards, feedback, and ratings. • The inclusion of filtering attributes ensures a tailored and user-centric approach to restaurant discovery.

### **5. Profile Interaction:**

• Residents, visitors, admin, and restaurant guides actively engage with their profiles, participating in activities such as providing feedback, modifying account details, and accessing additional features available in the user profile section. • The profile interaction serves as a central hub for personalized user experiences

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# **Use Case Diagram2: Book and Make Payment:**

This diagram illustrates the post-restaurant selection flow, providing a fundamental overview of how users can make online bookings, choose delivery options, and proceed with payments.

# 1. Food Selection:

• Following the restaurant selection, users can explore various food categories, including SugarFree, Veg, Non-veg, Cuisine, Beverages, Desserts, and Sweets, tailoring their choices based on preferences.

# 2. Payment Options:

• Following the confirmation of their food selection, users then opt for a convenient payment method among the available choices, including Cash On Delivery, UPI, Cards, and Wallet.

### 3. Delivery Options:

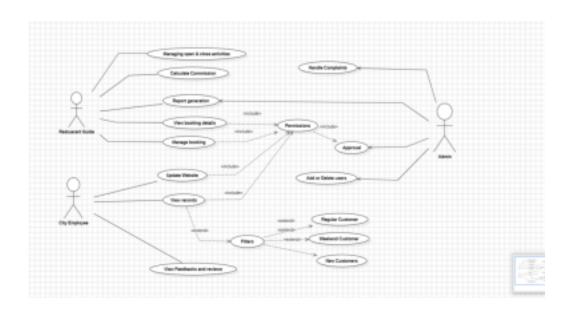
Users have flexibility in selecting delivery options:

- Dine in
- Take away
- Home Delivery

### 4. Feedback Process:

• After receiving the delivery, users are prompted to provide feedback on various aspects, including food quality, restaurant experience, hygiene, and ratings. • Feedback is securely stored in the safety guidelines database for continuous improvement.

# **Use Case Diagram3: User Management:**



This diagram illustrates the interplay and workflow dynamics among the admin, employees, and restaurant guides.

- 1. The admin initiates the process by logging into the app using their unique personal credentials.
- 2. Post-login, the admin gains access to generated reports contributed by both employees and restaurant guides.
- 3. Responsibilities of Employees:
  - Keep the website updated.
  - Utilize filters to categorize customers as regular, weekend, or new, and subsequently apply these filters to user profiles.

# 4. Responsibilities of Restaurant Guides:

- Manage the opening and closing activities of the restaurant.
- Calculate commission for services rendered.
- Efficiently handle booking management.
- Keep track of customer data.

All tasks performed by employees and restaurant guides are systematically recorded and stored in comprehensive reports for future reference and analysis.

**Result:** Use-case diagram has been designed and studied.