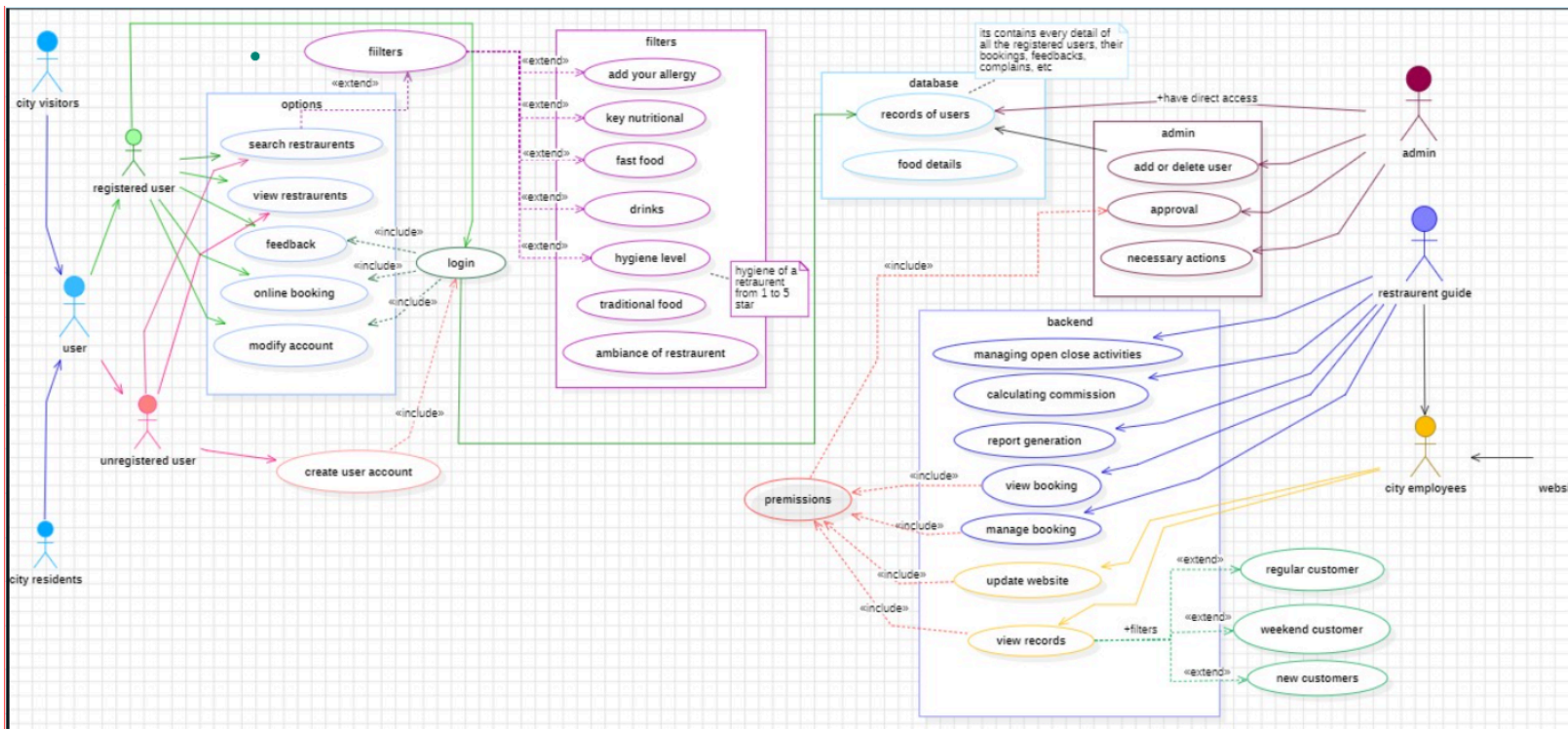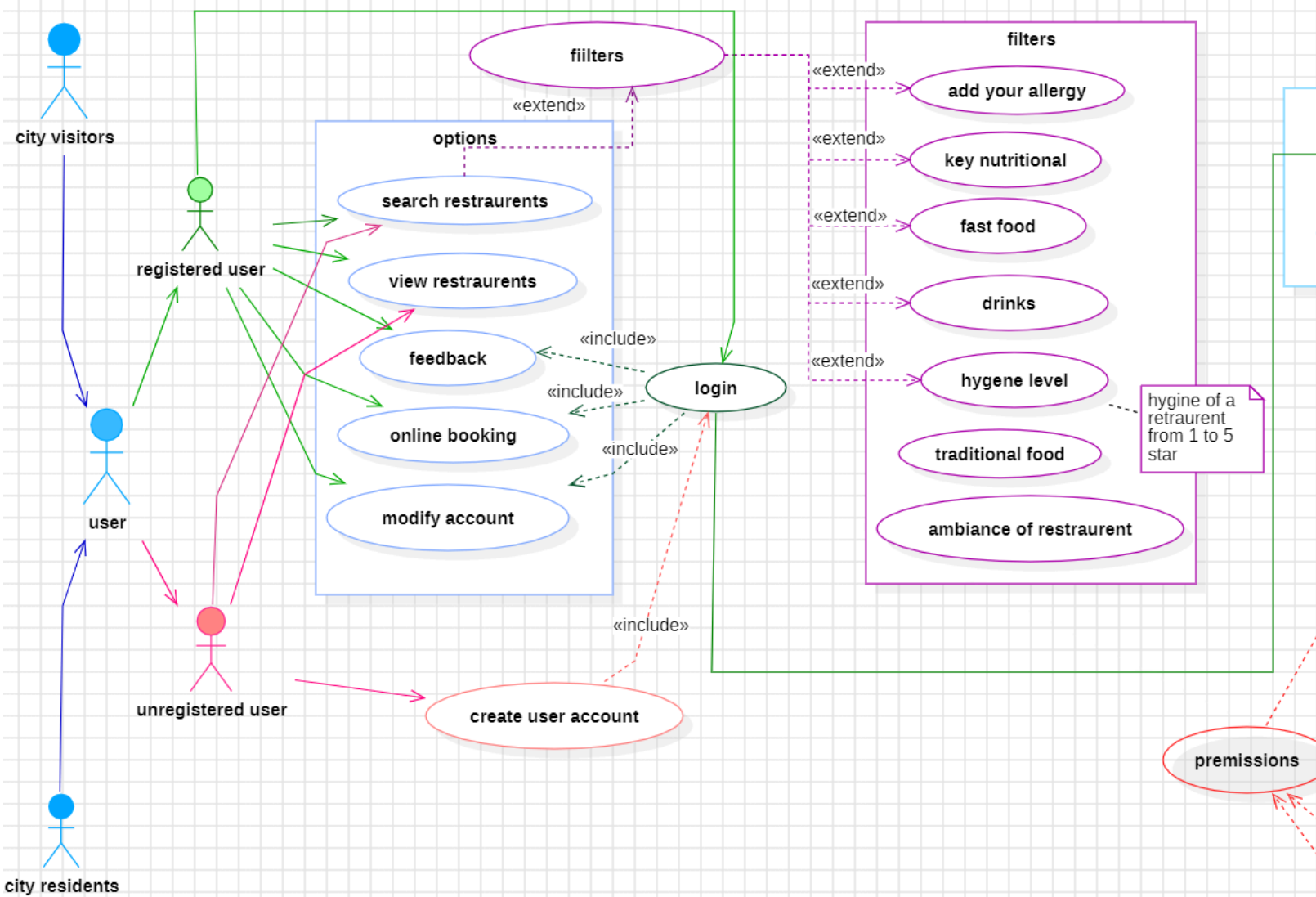# Practical No. 2

Name : Dhanshree Dharpure
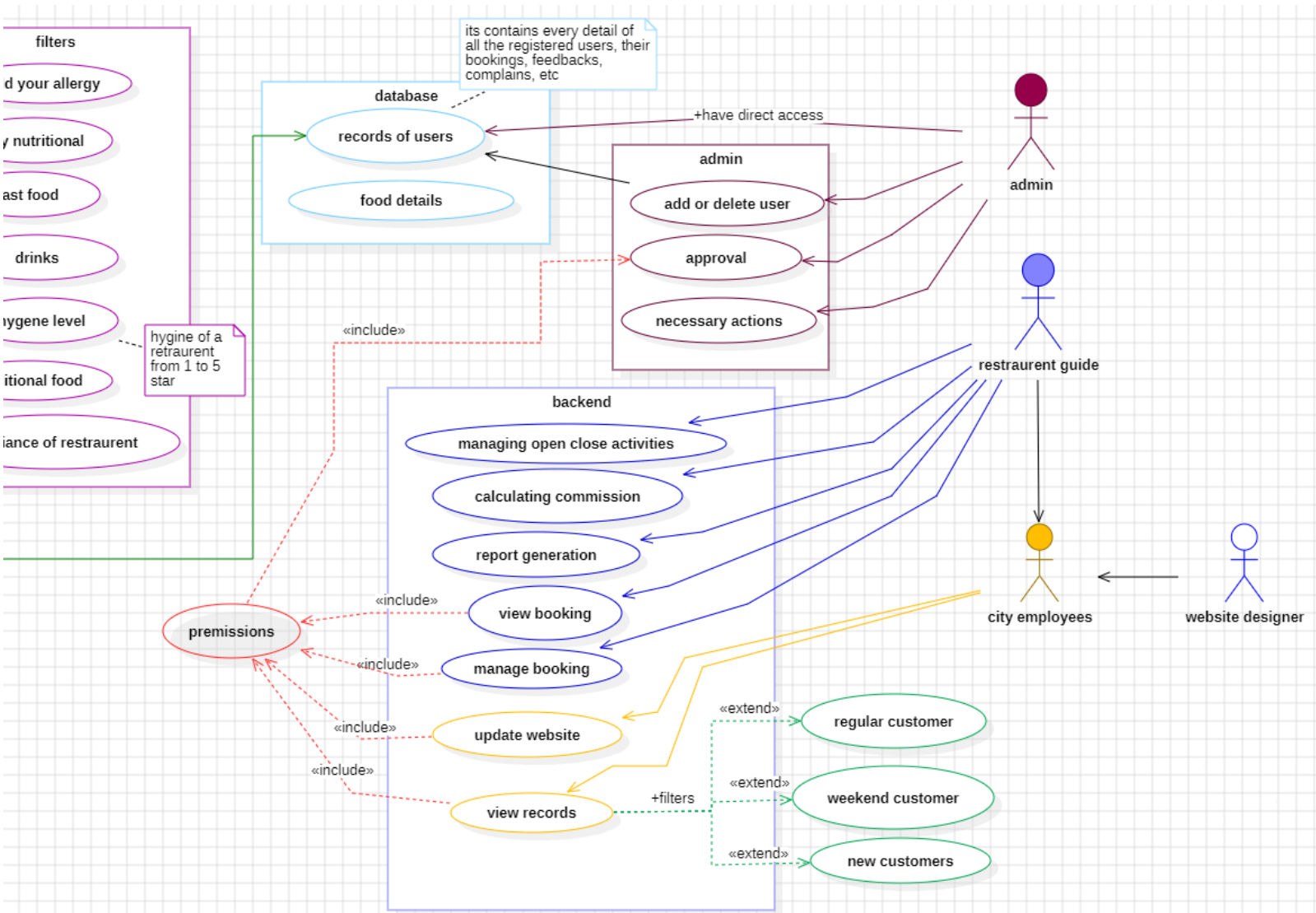Roll No. :03

Aim: To create Use-Case diagram to depict the user's view of the system.

UML DIAGRAM FOR FOOD SAFETY PORTAL:

filters
- d your allergy
- y nutritional
- ast food
- drinks
- ygene level
- itional food
- iance of restraurent

database
- records of users
- food details

its contains every detail of all the registered users, their bookings, feedbacks, complains, etc

+have direct access

admin
- add or delete user
- approval
- necessary actions

hygine of a retraurent from 1 to 5 star

«include»

admin

restraurent guide

backend
- managing open close activities
- calculating commission
- report generation
- view booking
- manage booking
- update website
- view records

premissions

«include»

«include»

«include»

«include»

city employees

website designer

+filters

«extend» regular customer

«extend» weekend customer

«extend» new customers

Theory: For this case study, I've selected several key scenarios and depicted them in a UML use case diagram. Let's break down each scenario with its explanation:

1) Use-case scenario name: User Registration

Summary of Use-case scenario (purpose): The user registration use-case scenario outlines the steps for a new user to create an account on the food safety portal.

Detailed step-wise documentation/explanation on Use-case scenario:

1. The user accesses the food safety portal and clicks on the "Create User Account" option.
2. The system prompts the user to input their details, including name, email, and password.
3. The user enters their details and clicks the "Submit" button.
4. The system validates the user's input, ensuring that the email is unique and the password meets the required complexity.
5. Once the validation is successful, the system creates a new user account and displays a confirmation message to the user.

User Registration: Input Details: User's name, email, and password.

Validation: The system validates the user's email to ensure it is unique, and the password meets the required complexity.

Account Creation: Once the validation is successful, the system creates a new user account and displays a confirmation message to the user.

2) Use-case scenario name: Search Restaurants

Summary of Use-case scenario (purpose): The search restaurants use-case scenario outlines the steps for users to search for restaurants based on various filters and criteria.

Detailed step-wise documentation/explanation on Use-case scenario:

1.   The user accesses the food safety portal and clicks on the "Search Restaurants" option.
2.   The system displays a list of filters and criteria that the user can use to narrow down their search, including location, cuisine, price range, and hygiene rating.
3.   The user selects their desired filters and clicks the "Search" button.
4.   The system retrieves a list of restaurants that match the user's selected filters and displays them on the screen.
5.   The user can view more details about each restaurant, including the menu, location, and hygiene rating.

User Registration: Input Details: User's selected filters and search criteria.

Validation: The system validates the user's input to ensure that the filters and criteria are valid.

Account Creation: None.

 3) Use-case scenario name: Online Booking

Summary of Use-case scenario (purpose): The online booking use-case scenario outlines the steps for users to make a reservation at a restaurant through the food safety portal.

Detailed step-wise documentation/explanation on Use-case scenario:

1.   The user accesses the food safety portal and clicks on the "View Restaurants" option.
2.   The system displays a list of restaurants that match the user's selected filters and criteria.

3.   The user selects a restaurant and clicks on the "Book a Table" option.
4.   The system prompts the user to input their desired date, time, and number of guests.
5.   The user enters their details and clicks the "Submit" button.
6.   The system validates the user's input and checks the availability of the selected restaurant.
7.   Once the validation is successful, the system creates a new reservation and displays a confirmation message to the user.

User Registration: Input Details: User's desired date, time, and number of guests.

Validation: The system validates the user's input to ensure that the date and time are valid and the restaurant has availability.

Account Creation: None.

4) Use-case scenario name: Feedback

Summary of Use-case scenario (purpose): The feedback use-case scenario outlines the steps for users to provide feedback on their dining experience at a restaurant.

Detailed step-wise documentation/explanation on Use-case scenario:

1.   The user accesses the food safety portal and clicks on the "Feedback" option.
2.   The system prompts the user to input their feedback, including the restaurant name and their dining experience.
3.   The user enters their feedback and clicks the "Submit" button.
4.   The system validates the user's input and creates a new feedback record.

User Registration: Input Details: User's feedback, including the restaurant name and their dining experience.

Validation: The system validates the user's input to ensure that the restaurant name is valid and the feedback is appropriate.

Account Creation: None.

5) Use-case scenario name: Manage Booking

Summary of Use-case scenario (purpose): The manage booking use-case scenario outlines the steps for users to manage their reservations, including canceling or modifying their reservations.

Detailed step-wise documentation/explanation on Use-case scenario:

The user accesses the food safety portal and clicks on the "My Reservations" option. The system displays a list of the user's current reservations. The user selects the reservation they wish to modify or cancel. The system prompts the user to input their desired changes or to confirm the cancellation. The user enters their details and clicks the "Submit" button. The system validates the user's input and modifies or cancels the reservation. The system displays a confirmation message to the user.

User Registration: Input Details: User's desired changes or confirmation of cancellation.

Validation: The system validates the user's input to ensure that the requested changes are valid and that the cancellation is confirmed.

Account Creation: None.

6) Use-case scenario name: User Profile Management

Summary of Use-case scenario (purpose): The user profile management use-case scenario outlines the steps for users to manage their account settings and personal information.

Detailed step-wise documentation/explanation on Use-case scenario:

The user accesses the food safety portal and clicks on the "My Profile" option. The system displays the user's current account settings and personal information. The user can modify their personal information, including their name, email, and password. The user can also modify their account settings, including notification preferences and security settings. The user clicks the "Save" button to save their changes. The system validates the user's input and saves the changes to the user's account. The system displays a confirmation message to the user.

User Registration: Input Details: User's updated personal information and account settings.

Validation: The system validates the user's input to ensure that the new settings and information are valid and that the user can confirm the changes.

Account Creation: None.

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