Food Panda 2.0

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Project specification

Implement a delivery service that can incorporate 2 roles: **buyer** and **restaurant administrator**. The customer should be able to order food and see the available options, while the administrator should be able to create new instances of foods and restaurants.

Use Case model

There are two types of users which can access and use the application such as : **restaurant administrator** and **buyer**.

The Restaurant Administrator should be able to:

- log-in to the application
- add restaurant to the application (information needed: name, location, available delivery zones)
- select category and add foods for each category
- view menu (with all existing foods, separated into categories)
- accept/decline order
- view orders (with status)
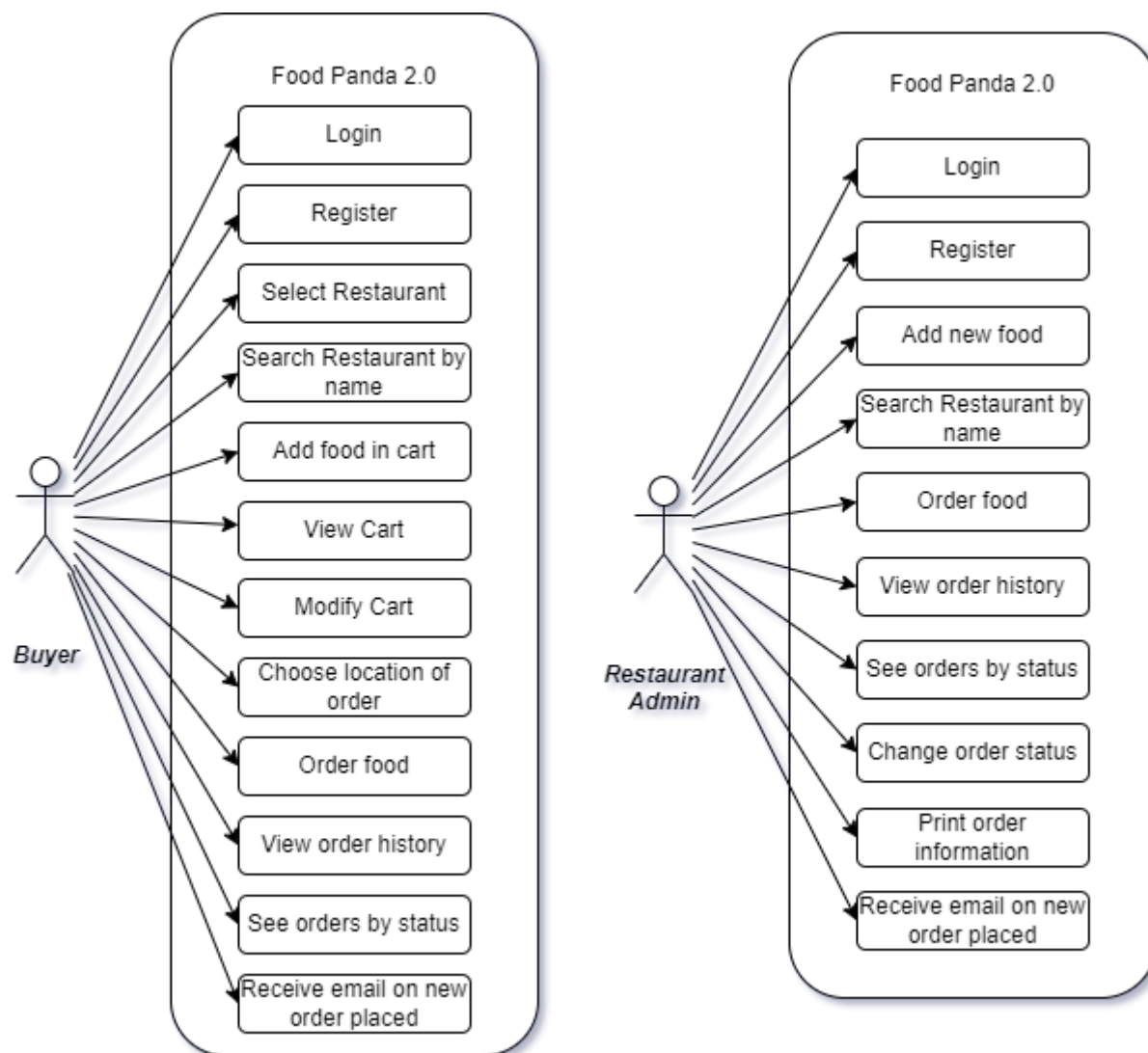- filter orders by status
- change status of order (in order)

The Buyer should be able to:

- register into the application
- log-in into the application
- view restaurants
- view menu for the selected restaurant
- add foods to cart
- place order
- see status of the order
- see history of all orders placed
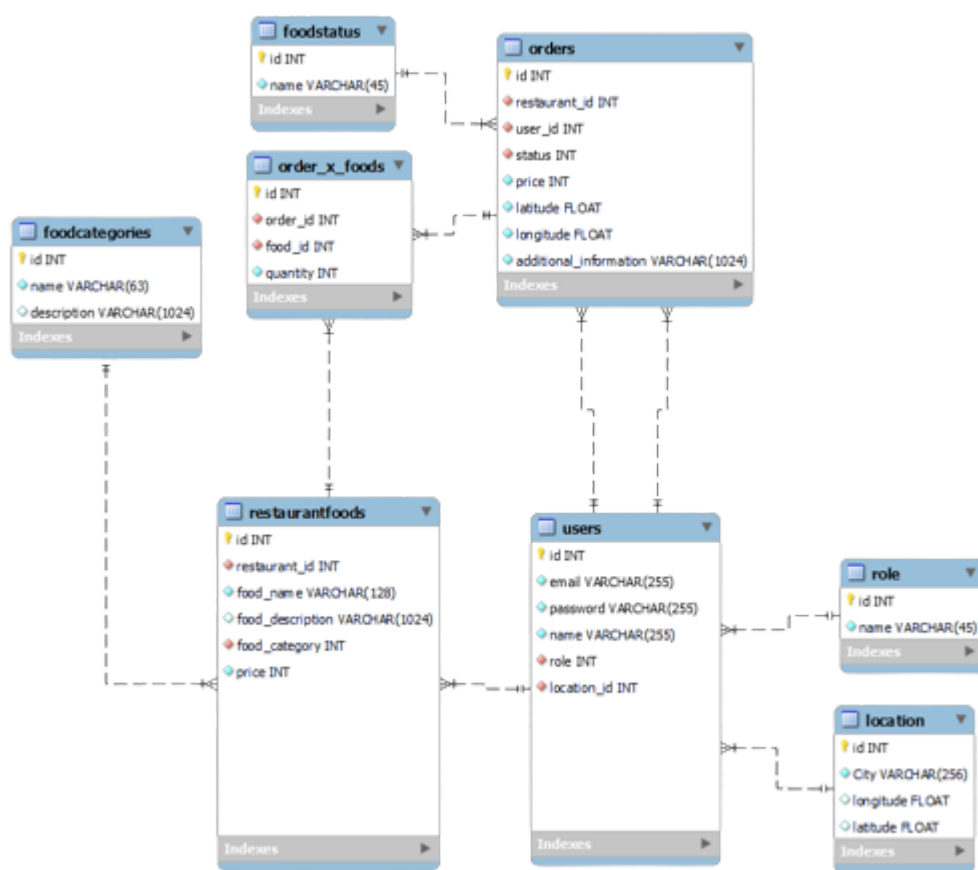- search the restaurants by name

Users and stakeholders

Users

- Restaurant Administrator
- Buyers **Stakeholders**
- Development team
- Quality Assurance
- Product Owner
- Project Manager
- FoodPanda

Use-Case Diagram

E-R Diagram

foodstatus
- id INT
- name VARCHAR(45)

Indexes

order_x_foods
- id INT
- order_id INT
- food_id INT
- quantity INT

Indexes

foodcategories
- id INT
- name VARCHAR(63)
- description VARCHAR(1024)

Indexes

orders
- id INT
- restaurant_id INT
- user_id INT
- status INT
- price INT
- latitude FLOAT
- longitude FLOAT
- additional_information VARCHAR(1024)

Indexes

restaurantfoods
- id INT
- restaurant_id INT
- food_name VARCHAR(128)
- food_description VARCHAR(1024)
- food_category INT
- price INT

Indexes

users
- id INT
- email VARCHAR(255)
- password VARCHAR(255)
- name VARCHAR(255)
- role INT
- location_id INT

Indexes

role
- id INT
- name VARCHAR(45)

Indexes

location
- id INT
- City VARCHAR(256)
- longitude FLOAT
- latitude FLOAT

Indexes

Class Diagram