UML 2 Big Mama Pizzaria

User stories

As a manager

I want to be able to view a list of customers

so that I can manage customer information effectively.

Acceptance Criteria:

Given a list of customers

When I want to view a list of customers

Then i view a list of customers

User Story 2:

As a manager

I want to be able to create, delete, and update customer records

So that I can maintain accurate customer information

Acceptance Criteria:

Given I am a manager

When I create, delete or update a customer record

Then I should be able to:

- Create a new customer record
- Delete an existing customer record
- Update an existing customer record

User Story 3:

As a manager, I want to be able to search for a customer by name to quickly locate specific customer records.

Acceptance Criteria:

Given I am a manager

When I search for a customer by name

Then I should see a list of customers whose name matches

Pizza Menu Administration

User Story 1:

As a manager,

I want to be able to create, delete, and update pizza menu items

so that I can keep the menu up-to-date.

Acceptance Criteria:

Given I am a manager

When I create, delete or update a pizza menu item

Then i should be able to:

- Create a new pizza
- Delete an existing pizza
- Update an existing pizza

User Story 2:

As a manager,

I want to be able to view a list of all pizzas on the menu

So that I have an overview of the pizzas we sell

Acceptance Criteria:

Given I am a manager

When I want to view a the menu

Then I should see a list of all the items on the menu

User Story 3:

As a manager,

I want to be able to search for a pizza by its unique identifier (pizza number)

So that I can quickly locate specific menu items.

Acceptance Criteria:

Given I am a manager

When I search for a pizza by its pizza no.

Then I should see the pizza the the matching pizza no.

Order Administration

User Story 1:

As a manager,

I want to be able to create, delete, and update orders

So that I can manage customer orders efficiently.

Acceptance Criteria:

Given I am a manager

When I want to create, delete and update an order

Then I should be able to:

- Create a new order by providing information such as customer details and pizzas, toppings and drinks
- Delete an order
- Update an existing customer

User Story 2:

As a manager,

I want to be able to search for an order based on relevant criteria

So that I can quickly locate specific orders.

Acceptance Criteria:

Given I am a manager

When I want to search for an order based on relevant criteria

Then i should see a list of orders with matching criteria

User Story 3:

As a manager,

I want to be able to view a list of all orders placed by customers

So that we have an overview of how many pizzas we need to make

Acceptance Criteria:

Given I am a manager

When I want to view a list of all orders placed by customers

Then I should see a list of all orders placed by customers

User Dialog

User Story 1:

As a customer,

I want to be able to view a menu on the screen

So that I can make selections conveniently

Acceptance Criteria:

Given I am a customer

When I want to view the menu

Then I should see the menu displayed

User Story 2:

As a manager,

I want the system to handle errors in input
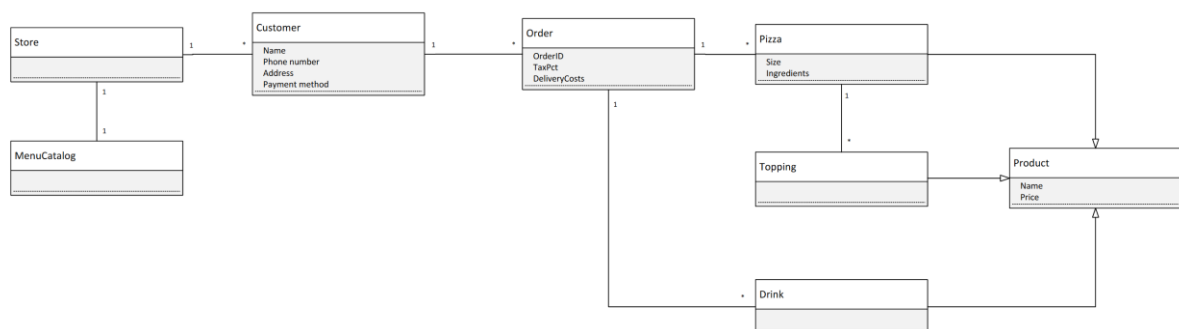
So that I can provide a smooth user experience.

Acceptance Criteria:

Given I am a manager

When I input invalid data in fields such as search

Then the system should send out an error explaining what went wrong.

Domain model

Class diagram

Pizza
- -memberName
- -memberName

Store
- + start()
- -memberName

MenuCatalog
- + _pizza:Pizza
- + _drink:Drink
- + _topping:Topping
- -memberName

Topping
- -memberName
- -memberName

MenuProduct
- - _name:string
- - _price:int
- -memberName

Drink
- -memberName
- -memberName

Order
- - _orderID:string
- - _taxPct:double
- - _deliveryCosts:int
- - _customer:Customer
- - _pizza:Pizza
- - _topping:Topping
- - _drink:Drink
- -memberName

Customer
- - _name:string
- - _phoneNumber:string
- - _address:string
- - _paymentMethod:string
- -memberName