

UTS 32555 , Fundamentals of Software Development

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Assignment 2 : Case Study (part 2) Use case descriptions

## Project Scope

The restaurant wants to launch its software system with new design elements that take customer orders, send the orders to the kitchen, monitor goods sold and inventory, and generate reports for management. The restaurant's software system needs an efficient food-ordering system to keep track of all the activities of the restaurant.

Since limited time, the following project, assignment, design and code implement, may focus more on the ordering system.

By the UML definition, Actor definition are

### Actor Definition

<i>Actor</i>	<i>Definition</i>
<b>Staff</b>	<b>General represent all actors that involved in service operation in Yummy Pizza</b>
<i>Manager</i>	responsible for overseeing the day-to-day operations of the restaurant, managing staff, ensuring customer satisfaction, and maintaining financial records.
<i>Kitchen hand</i>	responsible for preparing and cooking pizzas and other menu items.
<i>Delivery Staff</i>	responsible for delivering orders to customers' homes or businesses.
<i>Front counter</i>	responsible for taking orders, handling cash and credit card transactions and maintaining the cash register.
<b>Customer</b>	<b>General represent all actor that requesting order and service</b>

## Use Case Modal and Description

<b>USE CASE 1</b>	<b>Make order at counter</b>	
<b>Goals in Context</b>	Customers can do the group bookings via phone call or online	
<b>Scope &amp; Level</b>	Scope: Food Order System Level: Primary	
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>The customer entered the restaurant</li> </ul>	
<b>Postconditions</b>	Complete an order process, and customer wait for food delivery	
<b>Primary Actors</b>	Customer	
<b>Secondary Actors</b>	Front counter agent	
<b>Trigger</b>	Customer wants to the counter agent	
<b>DESCRIPTION</b>	1	Customer calls the counter agent or uses the online platform or orally orders at counter
	2	Front counter agent responds to customer
	4	Front counter agent ask about the pizza options, side option and other customize option.
	5	Front counter agent ask for payment method
	6	Customer chooses payment method Pay
	7	Front counter agent ask for delivery option
	8	Customer choose delivery option.
<b>EXTENSIONS</b>	7a	Customer can choose 1. time slot for taking away; 2. delivery on specific time and address; 3. take the order now; 4. dine-in;
<b>OTHER DATA</b>		<ol style="list-style-type: none"> <li>All food-related option (e.g. pizza, side, drinks) may be depended on that time available items in inventory system</li> <li>Delivery option may be depended on that time available; 1. time slot for taking away; 2. delivery on specific time and address; 3. take the order now; 4. dine-in;</li> <li>Ask about any discount e.g. membership, group booking</li> </ol>

<b>USE CASE 2</b>	<b>Make order via phone-in</b>	
<b>Goals in Context</b>	Customers can do the group bookings via phone call or online	
<b>Scope &amp; Level</b>	Scope: Food Order System Level: Primary	
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>The customer called the restaurant's hotline</li> </ul>	
<b>Postconditions</b>	Complete an order process, and customer wait for food delivery	
<b>Primary Actors</b>	Customer	
<b>Secondary Actors</b>	Front counter agent	
<b>Trigger</b>	Front counter agent receive the call from customer	
<b>DESCRIPTION</b>	1	Front counter agent responds to customer
	2	Front counter agent asks about the pizza options, side option and other customize option.
	3	Front counter agent asks for payment method
	4	Customer chooses payment method Pay
	5	Front counter agent asks for delivery option
	6	Customers choose delivery option.
<b>EXTENSIONS</b>	5a	Customer can choose 1. time slot for taking away; 2. delivery on specific time and address; 3. take the order now; 4. dine-in;
<b>OTHER DATA</b>		4. All food-related option (e.g. pizza, side, drinks) may be depended on that time available items in inventory system 5. Delivery option may be depended on that time available; 1. time slot for taking away; 2. delivery on specific time and address; 3. take the order now; 4. dine-in; 6. Ask about any discount e.g. membership, group booking

<b>USE CASE 3</b>	<b>Group booking</b>	
<b>Goals in Context</b>	Customers can do the group bookings via phone call or online	
<b>Scope &amp; Level</b>	Scope: Booking system Level: Primary	
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• The customer logged into the restaurant website</li> <li>• Customer phoned the restaurant</li> <li>• The customer entered the restaurant</li> </ul>	
<b>Postconditions</b>	Table booked for a group meal	
<b>Primary Actors</b>	Customer	
<b>Secondary Actors</b>	Front counter agent	
<b>Trigger</b>	Customer wants to book a meal for a group	
<b>DESCRIPTION</b>	1	Customer calls the counter agent or uses the online platform or orally orders at counter
	2	Front counter agent responds to customer
	4	Front counter agent or customer enters the booking request's detail
	5	Front counter agent or customer specify meal, date and time.
	6	Customer chooses payment method Pay
	7	Customer pays \$100 before hand
	8	Customer get a booking reference.
<b>EXTENSIONS</b>	7a	Customer can cancel the group booking but with no refund for the beforehand amount already paid.
<b>OTHER DATA</b>		<ol style="list-style-type: none"> <li>1. The customer calls to book for group must provide credit information for the front counter agent to input information to system.</li> <li>2. \$100 could be deducted from the final payment.</li> <li>3. 15% discount for the meal orders</li> </ol>