

Actor	Goal	UCName	REQ##
Clerk	Clerk decides whether receiving order or not	C-UC1(Accept order)	54
Clerk	Clerk changes the status of order from "order accepted" to "cook completed".	C-UC2(Complete Cook)	55
Clerk	In emergency senario, clerk refuses the order.	C-UC3(Handle emergency)	56
Delivery man	After "cook completed", delivery man receives it and start delivery or serving.	C-UC4(Start Delivery)	57
Delivery man	When delivery is completed, delivery man changes the status from "delivering" to "delivery completed".	C-UC5(Complete Delivery)	58
Order Tracker	Older Tracker keeps updating the last status of order.	C-UC6(Track order)	59
Orderer	Remove user's data from the device. Or Prepare to login with another user.	C-UC7(Logout)	60
Orderer	The orderer wants to access without privileges. The authenticator wants to block the orderer.	C-UC8(Validate privileges)	61, 67
Orderer	Signup the member.	C-UC9(Sign up)	62, 63, 68, 64
Orderer	Orderer wants to look user info page.	C-UC10(Display user's info page)	65,66
Screen	Display order list with each condition.	C-UC11(Display Orders)	69, 53



<b>Use Case C-UC1</b>		<b>Accept order</b>
<b>Related Requirements</b>		[REQ54] The system should allow a clerk to change order's status from "ordered" to ("order accepted" or "order rejected").
<b>Initiating Actor</b>		Clerk
<b>Actor's Goal</b>		Clerk decides whether receiving order or not
<b>Participating Actors</b>		Order Tracker, Screen
<b>Preconditions</b>		None
<b>Postconditions</b>		C-UC2
<b>Flow of Events for Main Succes Scenario:</b>		
	1	User indentification(include Authenticate user C-UC8)
	2	The system takes orders from user and transfers it to Clerk.
→	3	Clerk checks the order and updates its status from "ordered" to "ordered accepted" or "ordered rejected".
←	4	Order Tracker updates order's status.
←	5	Screen displays the Order Tracker.
<b>Use Case C-UC2</b>		<b>Complete Cook</b>
<b>Related Requirements</b>		[REQ55] The system should allow a clerk to change order's status from "order accepted" to "cook completed".
<b>Initiating Actor</b>		Clerk
<b>Actor's Goal</b>		Clerk changes the status of order from "order accepted" to "cook completed".
<b>Participating Actors</b>		Order Tracker, Screen
<b>Preconditions</b>		C-UC1
<b>Postconditions</b>		C-UC4
<b>Flow of Events for Main Succes Scenario:</b>		
→	1	When pizza is done, Clerk updates its status from "order accepted" to "cook completed".
←	2	Order Tracker updates order's status.
←	3	Screen displays the Order Tracker.

Use Case C-UC3		Handle emergency
Related Requirements		[REQ56] The system shall change the order status to "invalid" in an emergency by clerk.
Initiating Actor		Clerk
Actor's Goal		In emergency senario, clerk refuses the order.
Participating Actors		Order Tracker, Screen
Preconditions		None
Postconditions		None
<b>Flow of Events for Main Succes Scenario:</b>		
	1	The system takes orders from user and transfers it to Clerk.
→	2	In emergency, Clerk updates order's status from "ordered" to "invlid".
←	3	Order Tracker updates order's status.
←	4	Screen displays the Order Tracker.

Use Case C-UC4		Start Delievery
Related Requirements		[REQ57] The system should allow a delivery man and server to change order's status from "cook completed" to ("delivering" and "served").
Initiating Actor		Delivery man
Actor's Goal		After "cook completed", delivery man receives it and start delivery or serving.
Participating Actors		Order Tracker, Screen
Preconditions		C-UC2
Postconditions		C-UC4
<b>Flow of Events for Main Succes Scenario:</b>		
	1	User indentification(include Authenticate User C-UC8)
→	2	Delivery man receives the pizzas that have to deliver to orderer.
→	3	Delivery man updates its status from "cook completed" to "delivering" or "served"..
←	4	Order Tracker updates order's status.
←	5	Screen displays the Order Tracker.

Use Case C-UC5	Complete Delivery	
Related Requirements	[REQ58] The system should allow a delivery man to change order's status from "delivering" to "delivery completed".	
Initiating Actor	Delivery man	
Actor's Goal	When delivery is completed, delivery man changes the status from "delivering" to "delivery completed".	
Participating Actors	Order Tracker, Screen	
Preconditions	C-UC4	
Postconditions	None	
Flow of Events for Main Succes Scenario:		
→	1	Delivery man delivers the pizzas to orderer.
→	2	Delivery man updates its status from "delivering" to "delivery completed".
←	3	Order Tracker updates order's status.
←	4	Screen displays the Order Tracker.

Use Case C-UC6	Track order	
Related Requirements	[REQ59] The system should record the last time when order's status has changed.	
Initiating Actor	Order Tracker	
Actor's Goal	Older Tracker keeps updating the last status of order.	
Participating Actors	Clerk, Delivery man, Screen	
Preconditions	C-UC1, C-UC2, C-UC3, C-UC4, C-UC5	
Postconditions	None	
Flow of Events for Main Succes Scenario:		
→	1	Clerk and Delivery man update status of orders
←	2	When the order status is changed, Order Tracker recognizes and reflects it.
←	3	Screen displays the Order Tracker with last changed time of order's status.

Use Case C-UC7	Logout	
Related Requirements	[REQ60] The system should return to the initial screen when the user logs out.	
Initiating Actor	User(Orderer, Manager, Clerk, Delivery man)	
Actor's Goal	Remove user's data from the device. Or Prepare to login with another user.	
Participating Actors	Authenticator	
Preconditions	C-UC8(Authenticate User)	
Postconditions		
Flow of Events for Main Succes Scenario:		
→	1.	An user click logout button.
	2.	The authenticator remove user's login state.
←	3.	Redirect main page.

Use Case C-UC8	Authenticate User	
Related Requirements	[REQ61] The system shall deny the access to user's info when the user logs out. [REQ67] The system should allow password mistakes up to 5 times.	
Initiating Actor		
Actor's Goal	The orderer wants to access without privileges. The authenticator wants to block the orderer.	
Participating Actors	Authenticator	
Preconditions	C-UC7, C-UC12	
Postconditions		
Flow of Events for Main Succes Scenario:		
->	1.	An user tries to pages with user information.
	2.	The authenticator validate his/her privileges.
<-	3-1.	Allow the access.
<-	3-2.	Deny the access.

<b>Use Case C-UC9</b>	<b>Sign up</b>	
<b>Related Requirements</b>	[REQ62] The system should check that the password length is more than 8 characters.	

		[REQ63] The system should check that the password contains at least one number, upper/lower case and special character. [REQ68] The system shall encrypt and store orderer pw. [REQ64] The system should maintain an unique user's ID and email.
<b>Initiating Actor</b>		User(Orderer, Clerk, Delivery man)
<b>Actor's Goal</b>		Signup the member.
<b>Participating Actors</b>		Authenticator
<b>Preconditions</b>		
<b>Postconditions</b>		
<b>Flow of Events for Main Succes Scenario:</b>		
->	1.	An user wants to register the homepage as a member.
	2.	The authenticator check that the user id and email are unique.
	3.	The authenticator check that the length of password is more than 8 characters.
	4.	The system should check that the password contains at least one number, upper/lower case and special character.
<-	5-1.	If any of scenario 2, 3, 4 are failed, reject the user's signup.
<-	5-2.	Successfully signup.
<b>Use Case C-UC10</b>		Display user's info page
<b>Related Requirements</b>		[REQ65] The system should provide user info page. [REQ66] The system should get the password when the user try to enter user info page.
<b>Initiating Actor</b>		Orderer
<b>Actor's Goal</b>		Orderer wants to look user info page.
<b>Participating Actors</b>		Authenticator
<b>Preconditions</b>		C-UC8(Authenticate User)
<b>Postconditions</b>		
<b>Flow of Events for Main Succes Scenario:</b>		
->	1.	Request User info page with user password
	2.	UC8
<-	3.	Response User info.

Use Case C-UC11		Display Orders
<b>Related Requirements</b>		[REQ53] The system shall allow an orderer to see status("ordered" as "cooking", "cook completed") on a simple page. [REQ69] The system should provide the page that "ordered completed" and "cook completed" can't rewrite(Readonly).
<b>Initiating Actor</b>		Screen
<b>Actor's Goal</b>		Display order list with each condition.
<b>Participating Actors</b>		Order List
<b>Preconditions</b>		
<b>Postconditions</b>		
<b>Flow of Events for Main Succes Scenario:</b>		
->	1.	Screen requests uncompleted order list.
	2.	Order List response uncompleted order list.

Use Case C-UC12		Login User
<b>Related Requirements</b>		[REQ3] The system should display "go to cart", "login"/"logout" buttons on every pages [REQ52] The system shall allow an orderer to order new pizza both as a member or non-member.
<b>Initiating Actor</b>		User
<b>Actor's Goal</b>		The user wants to authenticate by the system.
<b>Participating Actors</b>		Authenticator
<b>Preconditions</b>		
<b>Postconditions</b>		
<b>Flow of Events for Main Succes Scenario:</b>		
->	1.	An user inputs his/her ID and password.
	2.	Validate ID and password.
<-	3-1.	When the information is valid, send a success message.
<-	3-2.	When the information is invalid, send a failure message.