



SRS Document of Software System “Home Store”

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Introduction

Purpose

The purpose of this document is to be a reference for developing the initial version of the system. This document is designed for an educational purpose. It contains the full description and the technical details that are related to **Home Store System**, all required features whether the functional or the non-functional requirement and also it has some demo screenshots of the system. The system should overcome

Scope

HSS is a web based system that manages delivering special offered products from all over the supermarkets to customers. However, any customer can access the system by creating his own profile and using the system features. The system is responsible of delivering emergent orders to customers. Although it is responsible to feed back up supermarkets with customer's product rating.

Phase Two Process:

- The leader: Mohammed Al-Sayed.
- We had a first meeting discussing and determining important use cases.
- We determined the core use cases.
- Every individual took different use cases.
 - Musaed:
 - 1) Track Order
 - 2) Cancel Order
 - 3) Create Profile
 - Mohammed:
 - 1) Create Employee Account
 - 2) Add Product
 - 3) Add Category
 - 4) Add Supplier
 - 5) Confirm Order List
 - 6) Set Product Supplier
 - Amer:
 - 1) Update Price
 - 2) Confirm Delivery
 - Abdullah:
 - 1) Display Product
 - 2) Search Product
 - 3) View Special Offers
 - 4) Create Shopping List
 - 5) Make Order
- Every individual was responsible of designing the scenario and writing the description of the use cases that he choose.
- Every individual of the team discussed the scenario he designed with Dr.Irfan.
- There was a small modifications after meeting Dr. Irfan
 - We added (add supplier, set product supplier) use cases.

Phase Three Process:

- The leader: Amer Al-Abbar.
- Every individual took the same use-cases in the Second-Phase.
- Every individual was responsible of his Interaction Diagrams and the part of Class Diagram he chose.
- Every individual of the team discussed the Sequence Diagrams he designed with Dr.Irfan.

Overall Software Features:

1. Order Management

1. The system shall allow the customer to place orders.
2. The system shall allow the customer to cancel his/her order.
3. The system shall allow the customer to update his/her order.
4. The system shall allow the customer to choose the supplier of a certain product.
5. The system shall give the customer the choice to pay with credit card, SADAD transaction system or by cash on delivery.
6. The system shall allow the customer to add products into a cart.
7. The system shall allow the customer to add favorite products.

2. Order Delivery & Tracking

1. The system shall allow the customer to track his/her order.
2. The system shall generate and send a delivery validation code for the customer.
3. The system may provide a QR-code of the verification code for the customer.
4. The system shall be able to confirm that the order has been delivered to the customer.
5. The system shall provide the user with the estimated delivery time.

3. Account Management

1. The system shall allow the user to create his/her own profile.
2. The system shall allow the user to update his/her profile.
3. The system shall allow the admin to manage and create accounts.
4. The system shall allow the admin to give permission to certain accounts.
5. The system shall allow any customer to be a member.
6. The system shall allow members to log in and out the system.
7. The system shall be able to automatically logout of any account after a certain time for safety purpose.

4. Customer Support & Communication

1. The system shall allow the user to rate the service & products.
2. The system shall allow the user to give his/her feedback (complaint, suggestions, inquiry).
3. The system shall be able to send notifications.

5. Searching Facilities.

1. The system shall allow the user to use an advance and quick search.
2. The system shall allow the user to sort goods by their categories
3. The system shall allow the user to make his/her own tags (categories).

Non-Functional Features:

- | | |
|--------------------|---------------------------|
| 1- Security | 4- Durability |
| 2- Reliability | 5- Compatible with any OS |
| 3- Maintainability | 6- User Friendly |

Stake Holders:

- Suppliers.
- Banks.
- Customer.
- The Company of the software.
- Telecom Company.

- E-mail Service Company.
- Website Hosting Company.

Users:

1. Customer.
2. Admin.
3. Customer Support Team.
4. Company Delegate.
5. Delivery Man.

User Characteristics:

User	Main functionalities	Expected education level	Expected frequency of use	Expected computer literacy	Remarks
Customer	Placing Orders, managing orders and send suggestions and complains	Able to read & write	1 - 3 times a week	Low	Any customer who is interested in ordering
Admin	Managing Accounts (creating, updating...)	High educational level	Every day	Very high	---
Company Delegate	Update products list	Medium educational level	Every day	Medium	This can be used by employees from the same company or the supplier if needed
Delivery Man	Update delivery status	Low educational level	Every day	Medium	---
Customer support	manages customer's feedback and supports them technically	Medium educational level	Every day	Very high	---

General Constraints:

1. Time: The project should be done within the end of the semester.
2. Database: Products & prices database of the software shall be implemented using SQL.
3. Budget: The system shall be made within the budget of 500,000 SAR.
4. Programming language: The website should be built using HTML5.
5. Region: The system shall only accept orders to be delivered within the range of the cities the company is working in.

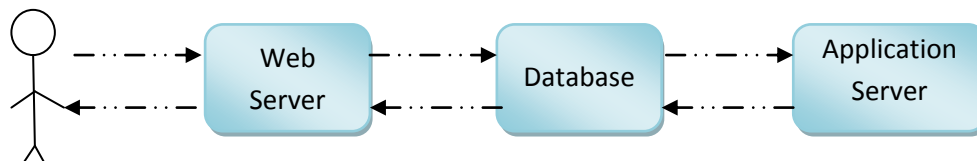
Dependencies:

- Credit card validation system.
- SADAD Transaction system.

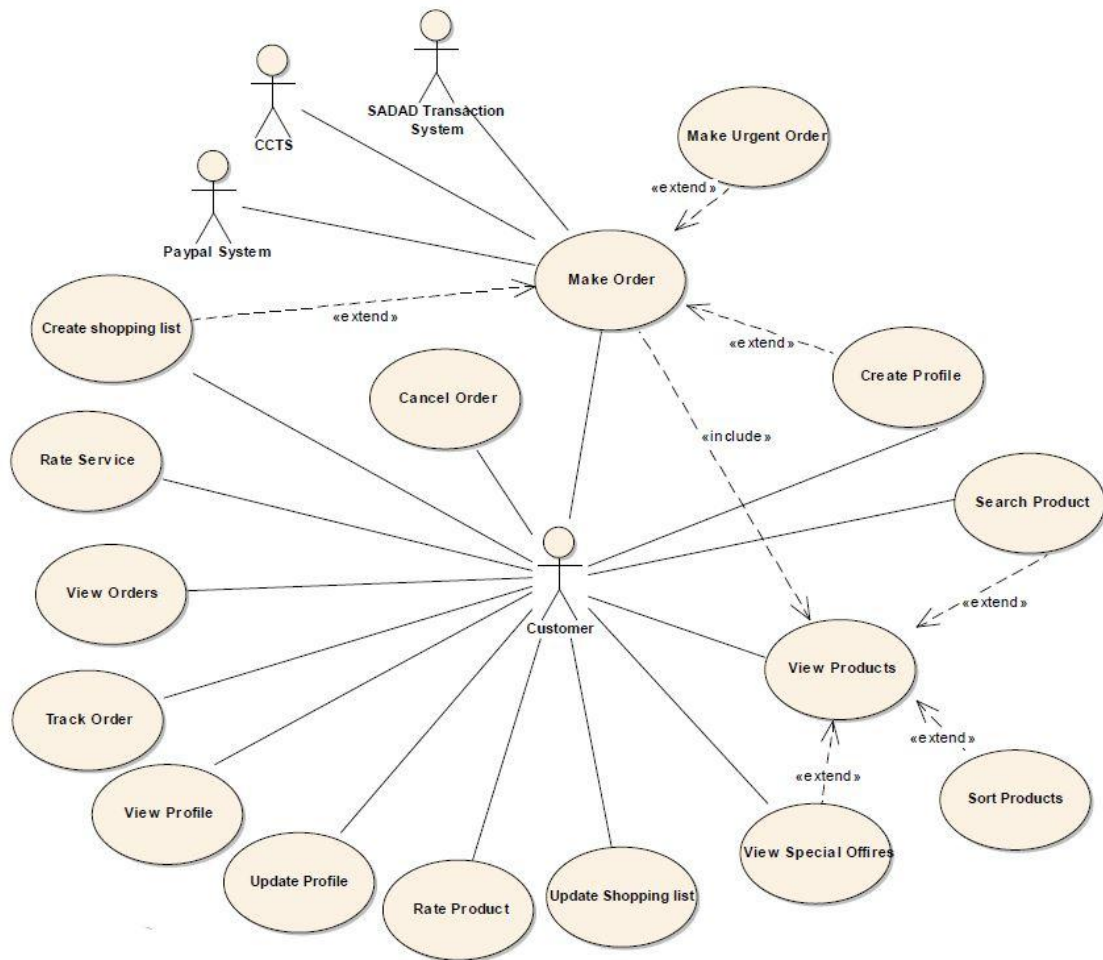
Assumptions:

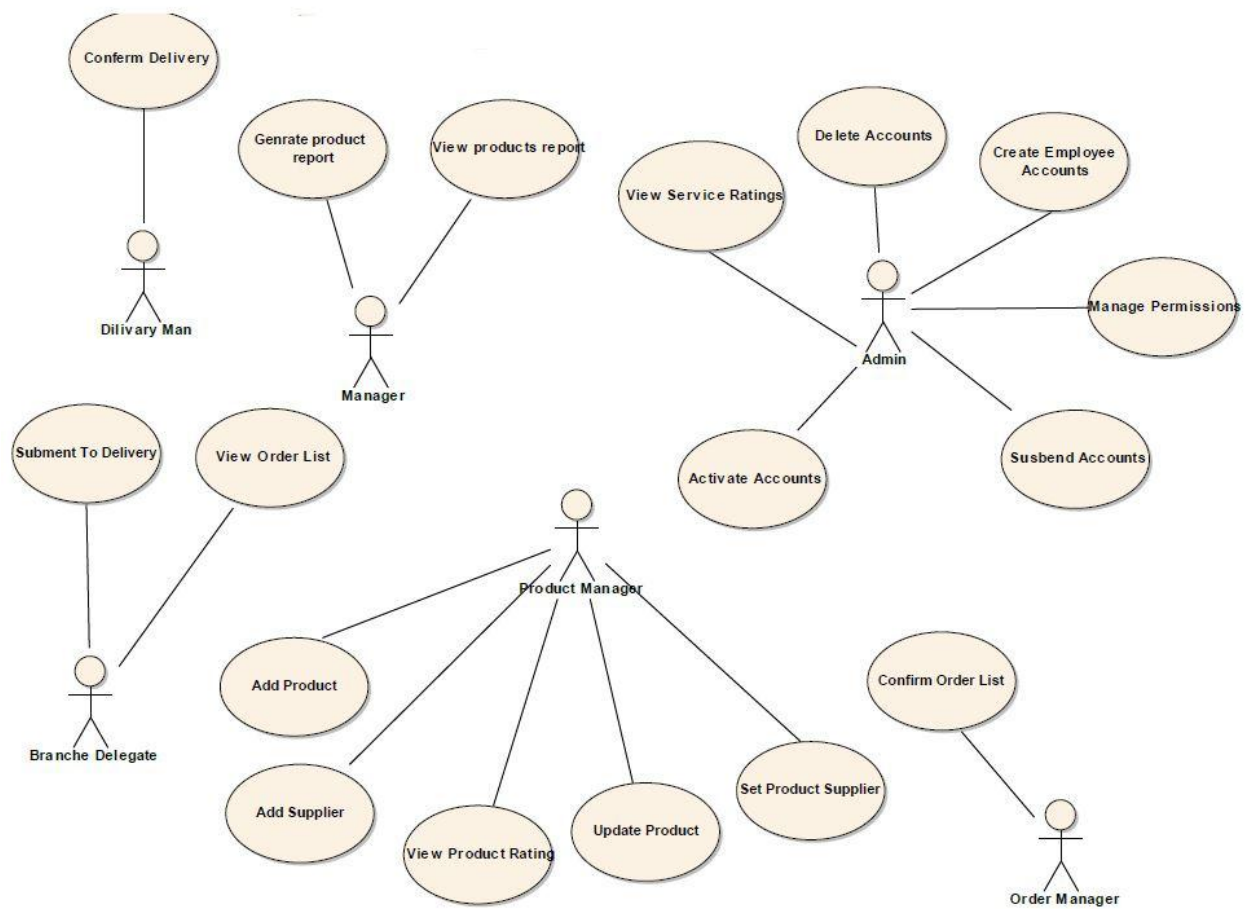
- We assume that every user has a computer device and an internet connection.
- We assume that the range of the delivery will be in the same city the company is.
- We assume that there will be a limitation of day delivery orders.
- We assume that we have an agreement with the credit card validation system.
- We assume that the user has the main required plugins in order to be able to browse the website.
- We assume that the website supports Arabic and English languages.
- We assume that the customer understands either Arabic or English to be able to use the website.
- We assume that the customer has a good background in E-Commerce.
- We assume that every customer has an email and mobile device.

System Architecture



Use Cases:





Use Cases Description and Scenarios:

1. Create Employee Account:

New Employee Account

Title Mr.

First Name

Last Name

Role Select a job +

Nationality Select Country

Date of Birth DD MM YY

National ID

Email example @ example.com

User Name

Password

Phone Select Country

☐ I agree to *company name* [terms & regulations](#)

Use Case Number	1		
Use Case Name	Create Employee Account		
Author/Source	Mohammed Al-Sayed		
Date of Creation	7/4/2015		
Precondition(s)	The user should be logged in and have the admin accessibilities		
Successful Post Condition	A new employee user account has been created		
Actors	Admin		
Priority	High		
Related Use Cases	None		
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user selects create new employee account option	SR1	The system displays the creation interface
UA2	The user fills in the required fields: <ul style="list-style-type: none">TitleFirst NameLast Name	SR2	

	<ul style="list-style-type: none"> • Role • Nationality • National ID • E-Mail • User Name • Password • Phone Number • Agreement Non – required: <ul style="list-style-type: none"> • Date of Birth 		
UA3	The user clicks submit button and the use case ends	SR3	The system displays a successful adding message E1: duplicated email E2: duplicated user name E3: password security
Alternative E1: Duplicated email			
User Action		System Response	
A1.UA1		A1.SR1	The system displays a message that the entered email already exists
A1.UA2	The user Clicks “OK” and the control returns back to <i>main flow UA2</i>	A1.SR2	
Alternative E2: Duplicated user name			
User Action		System Response	
A2.UA1	The user Clicks “OK” and the control returns back to <i>main flow UA2</i>	A2.SR1	The system displays a message that the entered user name already exists
Alternative E2: Password security			
User Action		System Response	
A2.UA1	The user Clicks “OK” and the control returns back to <i>main flow UA2</i>	A2.SR1	The system displays a message that the entered password is weak

2. Add Category:

Add Category

Category Name

Discription

Message

This category *exists*, please try again

Use Case Number		2	
Use Case Name		Add Category	
Author/Source		Mohammed Al-Sayed	
Date of Creation		7/4/2015	
Precondition(s)		The user should be logged in, and should have the product manager’s accessibilities	
Successful Post Condition		A new category is added to the system	
Actors		Product Manager	
Priority		High	
Related Use Cases		None	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user clicks the option to add a category	SR1	The system prompts the user to enter info
UA2	The user fills in the mandatory fields: <ul style="list-style-type: none">Category NameDescription		
UA3	The user submits and the use case ends		The system displays a successful adding message E1: The category already exists E2: Didn’t fill all required fields
Alternative E1: The category already exists			
User Action		System Response	
A1.UA1		A1.SR1	The systems displays a message
A1.UA2	The user confirms the message and the control returns back to <i>main flow</i> UA2	A1.SR2	
Alternative E2: Didn’t fill all mandatory fields			
User Action		System Response	
A1.UA1		A1.SR1	The system displays a message asking to fill the fields
A1.UA2	The user confirms the message and the control return to the <i>main flow</i> : UA2	A1.SR2	

3. Add Supplier:

Add Supplier

Supplier Name

Branch #

Location

Delegate +

Address1

Address2

Phone

Add

Message

This supplier *exists*, please try again

OK

Use Case Number		3	
Use Case Name		Add Supplier	
Author/Source		Mohammed Al-Sayed	
Date of Creation		7/4/2015	
Precondition(s)		The user should be logged in and have the product manager's accessibilities	
Successful Post Condition		A new supplier has been added	
Actors		Product Manager	
Priority		High	
Related Use Cases		None	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user opens the add supplier option	SR1	The system prompts the user to fill all mandatory fields of the new supplier
UA2	The user fills the mandatory fields of the supplier mandatory:	SR2	

	<ul style="list-style-type: none"> • Supplier Name • Branch Number • Location • Delegate <p>The user can add more than one delegate</p> <ul style="list-style-type: none"> • Address1 • Phone <p>Non- mandatory</p> <ul style="list-style-type: none"> • Address2 		
UA3	The user submits and the use case ends	SR3	E1: Didn't fill all required fields E2: Supplier Already exists
Alternative E1: Didn't fill all required fields			
User Action		System Response	
A1.UA1		A1.SR1	The system displays a message that there are missing fields
A1.UA2	The user submits and the system returns to the <i>main flow: UA2</i>	A1.SR2	
Alternative E2: Supplier Already exists			
	User Action		System Response
A2.UA1		A2.SR1	The system displays a message that the supplier exists
A2.UA2	The user submits and the system returns to the <i>main flow: UA2</i>	A2.SR2	

4. Add Product:

Add Product

Category

choose ▾

Product Name

Discription

Tags

Tag1, Tag2, Tag3

Add Category

Submit

Use Case Number		3	
Use Case Name		Add Product	
Author/Source		Mohammed Al-Sayed	
Date of Creation		7/4/2015	
Precondition(s)		The user should be logged in and have the product manager's accessibilities	
Successful Post Condition		A new product has been added	
Actors		Product Manager	
Priority		High	
Related Use Cases		None	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user clicks the add product option	SR1	The system prompts the user to fill all required info of the new product and displays the list of categories
UA2	The user fills the required fields of the product mandatory: <ul style="list-style-type: none">• Category• Product Name• Description Non- mandatory: <ul style="list-style-type: none">• Tags	SR2	
UA3	The user submits and the use case ends	SR3	The system displays a successful adding message E1: Didn't fill all required fields E2: Product Already exists
Alternative E1: Didn't fill all mandatory info			
User Action		System Response	
A1.UA1		A1.SR1	The system displays a message asking to fill mandatory info
A1.UA2	The user confirms and the system returns back to the <i>main flow: UA2</i>	A1.SR2	
Alternative E2: Product Already exists			
	User Action		System Response
A2.UA1		A2.SR1	The system displays a message that the product exists
A2.UA2	The user submits and the system returns to the <i>main flow: UA2</i>	A2.SR2	

5. Set Product Supplier

Set Product Supplier

Supplier

Category

Products:

#	Product	Category	Price	Select
1	Pro1	category 1	price 1	<input type="checkbox"/>
2	Pro2	category 2	price 2	<input type="checkbox"/>
3	Pro3	category 3	price 3	<input checked="" type="checkbox"/>

Select ALL
Unselect ALL

Submit

Use Case Number	4		
Use Case Name	Set product supplier		
Author/Source	Mohammed Al-Sayed		
Date of Creation	7/4/2015		
Precondition(s)	The user should be logged in and have the product manager’s accessibilities		
Successful Post Condition	A product is added to a supplier		
Actors	Product Manager		
Priority	High		
Related Use Cases	None		
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user opens the add set product supplier option	SR1	The system prompts the user to enter info and the system displays the list of categories and list of suppliers
UA2	The user selects a specific category	SR2	The system displays the list of products in the category
UA3	The user selects single or multiple products		

UA4	The user sets products to their supplier	SR4	The system displays a successful message A1: The supplier already has the product
UA3	The user confirms the message and the use case ends	SR3	
Alternative E1: The supplier already has the product			
User Action		System Response	
A1.UA1		A1.SR1	The system displays a message that the product already exists
A1.UA2	The user confirms and the system returns back to the <i>main flow</i> : UA2	A1.SR2	

6. Confirm Order List:

Confirm Order List

New Orders:

Sort By: Time ▼

#	User	Order Time	Payment Status	Priority	Dispatch
1	User1	1:35 PM	Confirmed	Emergent	<input checked="" type="checkbox"/>
2	User2	4:30PM	Unconfirmed	Neutral	<input type="checkbox"/>
3	User3	6:37PM	Confirmed	Neutral	<input type="checkbox"/>
4	User4	1:37AM	On Delivery	Emergent	<input checked="" type="checkbox"/>

Confirm

Use Case Number	5
Use Case Name	Confirm Order
Author/Source	Mohammed Al-Sayed
Date of Creation	7/4/2015
Precondition(s)	The user should be logged in and have the order manager accessibilities
Successful Post Condition	Orders have been dispatched
Actors	Order Manager
Priority	High
Related Use Cases	None
Flow of Events	
Main Flow	
User Action	System Response

UA1	The use case begins when the user opens the confirm order option	SR1	The system displays the orders accompanied with their details (status, priority, order time etc.)
UA2	The user can sort the display by time or priority	UA2	The system sorts the display as the users choice
UA3	The user selects orders to be dispatched	SR3	The system checks if the goods are available A1: goods do not exist
		SR4	The system changes the status of the orders into dispatched and displays a successful message
UA4	The user confirms and the use case ends		
Alternative A1: goods do not exist			
User Action		System Response	
A1.UA1		A1.SR1	The system displays a message that goods do not exist for a specific order
A1.UA2	The user confirms and the system returns back to the <i>main flow</i> : UA2	A1.SR2	

7. Update Product Price:

Confirmation

Product : Orange Current Price : 5.50 SAR / KG

Supplier : Bandah New Price : 6.75 SAR / KG

Modify Confirm

Message

The price had been updated **successfully**

Ok

Update Product Price

Category: Fruits

Product: Orange

Supplier: Bandah

Current Price : 5.50 SAR / KG

New Price : 6.75 SAR / KG

Cancel Update

z		6	
Use Case Name		Confirm Delivery	
Author/Source		Amer Alabbar	
Date of Creation		4\2\2015	
Precondition(s)		The user had ordered and the Delivery-Man reached the house of the customer.	
Successful Post Condition		Confirm that the order had been delivered successfully.	
Actors		Delivery-Man	
Priority		High	
Related Use Cases		None	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use-case begins when the user selects “Update Price”.	SR1	The system displays the “Update Product Price” window.
UA2	The user searches for a product. Search Product Use-Case.	SR2	The system prompts the user to select one of the product’s suppliers.
UA3	The user selects a supplier.	SR3	The system displays the current price of the product from the selected supplier and prompts the user to enter the new price.
UA4	The user enters the new price, then press “Update” button.	SR4	The system displays a confirmation message with the product name, its new

	A1: The user pressed “Cancel” button.		price and its supplier name.
UA5	The user press “Confirm” button. A2: The user pressed “Modify” button.	SA5	The system displays “The price had been updated successfully” message. The use-case ends.
Alternative 1: “Cancel” button pressed			
User Action		System Response	
A1.UA1		A1.SR1	The use-case ends.
Alternative 2: “Modify” button pressed			
User Action		System Response	
A2.UA1		A2.SR1	Main Flow.SR3

8. Confirm Delivery:

Ordered Items List

Ordered Items

- Orange 2.4KG
- Apple 1.3KG
- Potato 0.5KG

Delivered Items

- Date 2.0GK
- Water 1.4Lit
- Bread 1 PCS
- Meat 1.5KG
- Juice 1.0Lit
- Spoon 12PCS

Delivered >>>

<<< Not-Delivered

Total : 132.5 SAR

Cancel

Confirm

Confirm Delivery

Delivery Code

Cancel

Check

Warning

Wrong Delivery Code

Ok

Message

The order had been delivered **successfully**

Ok

Use Case Number		7	
Use Case Name		Confirm Delivery	
Author/Source		Amer Alabbar	
Date of Creation		4\2\2015	
Precondition(s)		The user had ordered and the Delivery-Man reached the house of the customer.	
Successful Post Condition		Confirm that the order had been delivered successfully.	
Actors		Delivery-Man, Customer	
Priority		High	
Related Use Cases		None	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use-case begins when the user selects “Confirm Delivery”.	SR1	The system displays the “Confirm Delivery” window and prompts the user to enter the “Delivery Code”.
UA2	The user gets the “Delivery Code” from the customer and enters it. A1: The user clicked “Cancel” button.	SR2	The system displays “Ordered Items List” window and show the ordered items and promotes the user to add the delivered items with the total price. A2: Wrong “Delivery Code”.
UA3	The user selects and adds the items delivered to the user and pressed “Confirm” button. A3: The user clicked “Cancel” button.	SR3	The system displays “The order had been delivered successfully” message.

UA4	The user clicked “Ok” button.	SR4	The use-case ends.
Alternative 1: “Cancel” button clicked 1			
User Action		System Response	
A2.UA1		A2.SR1	The use-case ends.
Alternative 3:			
Alternative 2: Wrong “Delivery Code”			
User Action		System Response	
A1.UA1		A1.SR1	The system displays a “Wrong Delivery Code” message
A1.UA2	The user clicks “OK” button	A1.SR2	Main Flow.SR1
Alternative 3: “Cancel” button clicked 2			
User Action		System Response	
A2.UA1		A2.SR1	Main Flow.SR1

9. Create Customer Account

New Customer Account

First Name

Last Name

Email Address

Password

City

Riyadh

Address

Phone Num

Use Case Number		8	
Use Case Name		Create Customer Account	
Author/Source		Musaed Albrikan	
Date of Creation		4\6\2015	
Precondition(s)		None	
Successful Post Condition		The customer had Successfully created a customer account	
Actors		Customer	
Priority		High	
Related Use Cases		None	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case starts when the customer clicks on “Sign up” button in the homepage.	SR1	The system then displays page that contains these necessary information fields that have to be filled by the customer <ul style="list-style-type: none">• First Name• Last Name• Email Address• Password• City• Address• Phone Number
UA2	The customer enters the needed information and then presses “Create Account” button. A1: The user presses “Cancel” button.	SR2	The system then checks and verifies the entered information and if it accepted, the system displays a message that confirms the registration and the use case ends. A2: Already existed email address
			A3: Already existed phone number

			A4: A necessary field was not filled.
Alternative 1: The user presses "Cancel" button			
User Action		System Response	
		A2.SR1	The system returns to the website homepage
Alternative 2: Already existed email address			
User Action		System Response	
A2.UA1		A2.SR1	The displays a message that indicate that the entered email is already existed.
A2.UA2		A2.SR2	Main Flow. UA2
Alternative 3: Already existed phone number			
User Action		System Response	
A3.UA1		A3.SR1	The displays a message that indicate that the entered phone number is already existed.
			Main Flow. UA2
Alternative 4: A necessary field was not filled			
User Action		System Response	
A4.UA1		A4.SR1	The displays a message that indicate that one or more necessary fields are not filled.
			Main Flow. UA2

10. Display product:

Suggested products and offers

+ milk + butter	14SR
+ 2KG of apples for the price of 1KG only	15SR
+ milk + corn flakes	22SR

Display Product use case

Use Case Number		9	
Use Case Name		Display products	
Author/Source		Abdullah Al-Mousa	
Date of Creation		7/4/2015	
Precondition(s)		The user has logged in to the system.	
Successful Post Condition		List of products and offers recommended displayed to the user.	
Actors		Customer	
Priority		High	
Related Use Cases		Make order, Search Product	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user chooses the option to display products.	SR1	The system finds a list of suggested products and special offers and displays it to the user. A1: No products found.
Alternative1: No products found			
User Action		System Response	

A1.UA1		A1.SR1	The system displays a message saying that no items were found and the use case ends.
--------	--	--------	--

11. Search product:

Search for products

+	Al marai 2L full-fat milk	7SR
+	Al marai 1L full-fat milk	3SR
+	Al marai 200ml full-fat milk	1SR
+	Al marai 2L low-fat milk	7SR
+	Al marai 1L low-fat milk	3SR

Search Product use case

Use Case Number		10	
Use Case Name		Search product	
Author/Source		Abdullah Al-Mousa	
Date of Creation		7/4/2015	
Precondition(s)		The user has logged in to the system.	
Successful Post Condition		List of products matching the search displayed to the user.	
Actors		Customer	
Priority		High	
Related Use Cases		Make order, Display product	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user chooses the option to search for a	SR1	The system prompts the user to enter the search terms.

	product.		
UA2	The user enters the search terms and confirms.	SR2	The system searches for the products matching the search terms and displays the list to the user and the use case ends. A1: No matching results found.
Alternative 1: No matching results found.			
User Action		System Response	
A2.UA1		A2.SR1	The system displays a message for the user informing him that there is no matching results found.
A2.UA2		A2.SR2	Main flow. SR1

12. View Special offers:

Search for products

Search

⊖
Al marai 2L full-fat milk
7SR
▲

⊕
Al marai 1L full-fat milk
3SR

⊕
Al marai 200ml full-fat milk
1SR

⊕
Al marai 2L low-fat milk
7SR

⊕
Al marai 1L low-fat milk
3SR
▼

Special Offers:

⊕ (3) Al marai 2L full-fat milk (buy 2 & 1 for free)
14SR

⊕ Al marai 2L full-fat milk + 100ml cheese
15SR

proceed to shopping cart

View special offers use case

Use Case Number	11
Use Case Name	View special offers
Author/Source	Abdullah Al-Mousa
Date of Creation	7/4/2015
Precondition(s)	The user has logged in to the system and added products to his shopping cart.
Successful Post Condition	List of offers containing products the user has added to his cart

		displayed to the user.	
Actors		Customer	
Priority		Medium	
Related Use Cases		Make order	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user adds a product to his shopping cart.	SR1	The system searches for offers containing that product and displays them for the user and the use case ends. AI: No offers found containing the product.
Alternative I: No offers found containing the product.			
User Action		System Response	
A1.UA1		A1.SR1	Use case ends.

13. Create Shopping List:

Add a shopping list

Shopping list name:

	▼ products	▼ quantity
<input type="radio"/>	product 1	5
<input type="radio"/>	product 2	1
<input type="radio"/>	product 3	1
<input type="radio"/>	offer 1	1

Do you like to have a (SMS) reminder for this list? ☒ Yes
☐ No

How often do you want to be reminded

☐ daily
☐ Weekly
☐ Every two weeks
☐ Monthly
☒ other(each how many days?)

[Create shopping list use case](#)

Shopping lists

<div style="display: flex; justify-content: space-between; align-items: center;"> Shopping list 1 <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; border: 1px solid #000; border-radius: 5px; position: relative;"> <div style="position: absolute; left: 0; top: 0; bottom: 0; width: 100%; background-color: #000;"></div> </div> <div style="margin-left: 5px;">ON</div> </div> </div>	<div>Edit</div>
<div style="display: flex; justify-content: space-between; align-items: center;"> Shopping list 2 <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; border: 1px solid #000; border-radius: 5px; position: relative;"> <div style="position: absolute; left: 0; top: 0; bottom: 0; width: 100%; background-color: #000;"></div> </div> <div style="margin-left: 5px;">ON</div> </div> </div>	<div>Edit</div>
<div style="display: flex; justify-content: space-between; align-items: center;"> Shopping list 3 <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; border: 1px solid #000; border-radius: 5px; position: relative;"> <div style="position: absolute; left: 0; top: 0; bottom: 0; width: 100%; background-color: #000;"></div> </div> <div style="margin-left: 5px;">OFF</div> </div> </div>	<div>Edit</div>
<div style="display: flex; justify-content: space-between; align-items: center;"> Shopping list 4 <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; border: 1px solid #000; border-radius: 5px; position: relative;"> <div style="position: absolute; left: 0; top: 0; bottom: 0; width: 100%; background-color: #000;"></div> </div> <div style="margin-left: 5px;">ON</div> </div> </div>	<div>Edit</div>
<div style="display: flex; justify-content: space-between; align-items: center;"> Shopping list 5 <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; border: 1px solid #000; border-radius: 5px; position: relative;"> <div style="position: absolute; left: 0; top: 0; bottom: 0; width: 100%; background-color: #000;"></div> </div> <div style="margin-left: 5px;">ON</div> </div> </div>	<div>Edit</div>
<div style="display: flex; justify-content: space-between; align-items: center;"> Shopping list 6 <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; border: 1px solid #000; border-radius: 5px; position: relative;"> <div style="position: absolute; left: 0; top: 0; bottom: 0; width: 100%; background-color: #000;"></div> </div> <div style="margin-left: 5px;">ON</div> </div> </div>	<div>Edit</div>
<div style="display: flex; justify-content: space-between; align-items: center;"> Shopping list 7 <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; border: 1px solid #000; border-radius: 5px; position: relative;"> <div style="position: absolute; left: 0; top: 0; bottom: 0; width: 100%; background-color: #000;"></div> </div> <div style="margin-left: 5px;">OFF</div> </div> </div>	<div>Edit</div>

Back to
homescreen

Create shopping list use case

Use Case Number	12
Use Case Name	Create shopping list
Author/Source	Abdullah Al-Mousa
Date of Creation	7/4/2015
Precondition(s)	Logged In
Successful Post Condition	List of offers containing products the user has added to his cart displayed to the user.
Actors	Customer
Priority	Medium
Related Use Cases	Make order
Flow of Events	
Main Flow	

	and chooses their quantities.		reminded of this shopping list.
UA4	The user approves. A2: User refuses reminders.	SR4	The system asks the user to choose how often to be reminded of this shopping list.
UA5	The user chooses on of the options (daily, weekly, every 2 weeks, monthly) and chooses the option to save. A2: The user chooses other.	SR5	The system schedule the reminder for the time the user has chosen and
UA6		SR6	The shopping list is saved into a list of shopping lists. The list of shopping lists is then shown to the user. And the use case ends
Alternative 1: Create shopping list from cart.			
User Action		System Response	
A1.UA1		A1.SR1	The system adds the items of the shopping cart into the new shopping list and the flow goes back to <i>Main flow SR1</i> .
Alternative 2: The user chooses other.			
User Action		System Response	
A2.UA1		A2.SR1	The flow goes to <i>Main flow SR6</i>
A2.UA2		A2.SR2	
A2.UA3		A2.SR3	
Alternative 3: The user chooses other.			
User Action		System Response	
A3.UA1		A3.SR1	The system prompts the user to enter the number of days.
A3.UA2	The user enters the number of days.	A3.SR2	The flow goes back to <i>Main flow SR5</i> .
A3.UA3		A3.SR3	

14. Make order:

My Shopping cart:

	▼ products	▼ unit price	▼ quantity	▼ price
⊖	product 1	60	5	300 SR
⊖	product 2	3	1	3 SR
⊖	product 3	7	1	7 SR
⊖	offer 1	100	1	100 SR
			tax	32 SR
			total	410 SR

☒ urgent order (quick delivery)

Add to shopping list proceed to checkout information

Checkout

- ☐ use my main address information
☒ use an alternate address

Full name:

Address line 1:
Street address, P.O. box, company name, c/o

Address line 2:
Apartment, suite, unit, building, floor, etc.

City: ▼

Phone number:

- ☐ Credit Card
☐ Cash on Delivery
☒ SADAD
☐ Paypal

Proceed to
payment

Credit Card Information

Card Holder's name:

Card Number:

Card Expiration date: ▼ / ▼

Card's CVV Number:

Street Address:

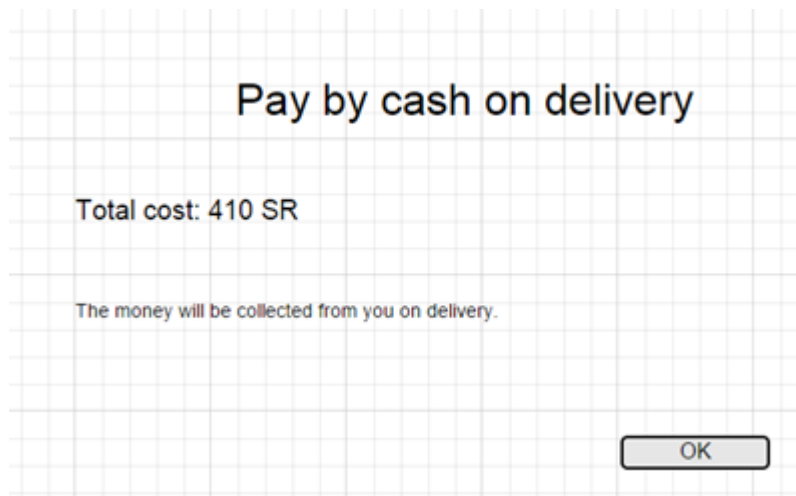
City:

State/Province:

ZIP/Postal code:

Country: ▼

Place Order



Pay by SADAD

Total cost: 410 SR

Through the ATM:

- Choose SADAD
- Choose other
- Enter the service number (7648)
- Enter The order Number : 1234567890
- pay the required amount of money

Through Online banking:

- Choose bills
- Choose add a new bill
- Enter the service number: (7648)
- Enter your order number:1234567890
- pay the required amount of money

*You will get a notification confirming the transaction within 3 hours

OK

[Make order use case](#)

Pay by Paypal

Total cost: 410 SR

Paypal username:

Paypal Password:

SUBMIT

[Make order use case](#)

Use Case Number		13	
Use Case Name		Make order	
Author/Source		Abdullah Al-Mousa	
Date of Creation		7/4/2015	
Precondition(s)		The user has logged in to the system.	
Successful Post Condition		Order created.	
Actors		Customer, SADAD Transaction System, CCTS, Paypal system	
Priority		High	
Related Use Cases		Search product, view special offers, Create shopping list	
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the user chooses the option to make an order.	SR1	The system starts use case: <i>Display products.</i>
UA2	The user selects the offers/products if he finds any he want to add and then chooses to search for products A1: The user chooses to go to shopping cart.	SR2	The system adds the products he has chosen to his cart and starts use case: <i>Search Product.</i>
UA2	The user selects the products he wants	SR2	The system adds the product to the

	from the list displayed to add to his cart.		shopping cart and starts use case: <i>View special offers</i> .
UA3	The user chooses the option to proceed to his shopping cart. A2: Special offer added.	SR3	The system displays products and offers chosen by user and their: <ul style="list-style-type: none"> • Products (for offers) • Unit price • Quantity • Total item's price • Taxes • Delivery charges • Total order cost And prompts the user to revise it and confirm.
UA4	The user edits the products and the quantities in the shopping cart and confirms and chooses the option to proceed to checkout. A3: The user chooses the option to add his cart as a shopping list. A4: The user chooses the option to make this order urgent.	SR4	The system asks the user if he wants to use his main address.
UA5	The user approves. A5: The user wants to use alternate address.	SR5	The system asks the user to choose a payment method between: <ul style="list-style-type: none"> • Credit card • PayPal • SADAD • Cash of delivery
UA6	The user chooses the option to pay with his credit card. A6: User chooses PayPal. A7: User chooses SADAD. A8: User chooses Cash on delivery.	SR6	The system prompts the user to enter his credit card information: <ul style="list-style-type: none"> • Card holder's name • Card number • Card expiration date • CVV number • Billing address
UA7	The user enters his credit card information.	SR7	The system contacts the credit card server to verify and complete the transaction and then displays a message that the order is completed, sends an SMS message with the delivery confirmation number and the use case ends. A9: Incorrect credit card information. A10: Cannot connect to credit card server.
Alternative I: The user chooses to go to shopping cart.			
User Action		System Response	
A1.UA1		A1.SR1	The system adds the products/offers he

			selected to his cart and the flow goes to <i>Main flow SR3</i> .
Alternative 2: Special offer added.			
User Action		User Action	
A2.UA1		A2.UA1	The system adds the offer to the cart and the flow goes to <i>Main flow UA3</i>
Alternative 3: The user chooses the option to add his cart as a shopping list.			
User Action		User Action	
A3.UA1		A3.UA1	The system starts use case: <i>Create Shopping list</i> .
A3.UA2		A3.UA2	The flow goes back to <i>Main flow SR4</i> .
Alternative 4: The user chooses the option to make this order urgent.			
User Action		User Action	
A4.UA1		A4.UA1	The system adds the cost of an urgent delivery to the order's total cost and label the order as "Urgent"
Alternative 5: The user wants to use alternate address.			
User Action		User Action	
A5.UA1		A5.UA1	The system prompts the user to enter the address he wants the order to be delivered to.
A5.UA2	The user enters the address.	A5.UA2	Flow goes back to <i>Main Flow SR5</i>
Alternative 6: User chooses PayPal.			
User Action		User Action	
A6.UA1		A6.UA1	The system prompts the user to enter his: <ul style="list-style-type: none"> PayPal username PayPal password
A6.UA2	The user enters his username and password	A6.UA2	The system contacts PayPal's server to verify and complete the transaction and then displays a message that the order is completed, sends an SMS message with the delivery confirmation number and the use case ends.
Alternative 7: User chooses SADAD.			
User Action		User Action	
A7.UA1		A7.UA1	The system displays a message to the user with the instructions and information needed (order number and the service number) to complete the transaction, sends an SMS message with the delivery confirmation number and the use case ends.
Alternative 8: User chooses Cash on delivery.			
User Action		User Action	
A8.UA1		A8.UA1	The system displays a message telling the user that the money will be collected on delivery, sends an SMS message with the delivery confirmation number the use case ends

Alternative 9: Incorrect credit card information.			
User Action		User Action	
A9.UA1		A9.UA1	The system displays an error message and asks the user to check the information entered and the Flow goes back to <i>Main flow SR6</i>
Alternative 10: Cannot connect to credit card server.			
User Action		User Action	
A10.UA1		A10.UA1	The system displays an error message and asks the user to try again and if this insist try in other time and the Flow goes back to <i>Main flow SR6</i>

15. Track Order

Orders List

Select an order to view more details

Order Description	O.N	Order status
vegetable list: Tomatoes, carrot, cucumber	2864593741	out for delivery
fruits list : apple, orange, pineapple	5921954820	Delivered
unamed list: peanut butter, cheddar cheese	2196404278	order processing

Cancel OrderTrack

Orders Details

Order number 5921954820 : fruits list : apple, orange, pineapple

Time	Status
11:00 am	order recieved
11:09 am	preparing order
11:17 am	out for delivery
11:40	order delivared

Back

Use Case Number	14		
Use Case Name	Track Order*		
Author/Source	Musaed Albrikan		
Date of Creation	4\6\2015		
Precondition(s)	The status of the order has been updated to shipped		
Successful Post Condition	Order delivery information is displayed		
Actors	Customer		
Priority	Medium *		
Related Use Cases	Cancel Order, Make Order*		
Flow of Events			
Main Flow			
User Action		System Response	
UA1	The use case begins when the customer selects an order from orders list to track it and presses “Track Order” button.	SR1	The system then displays a table that contains all statuses of the selected order organized by time.
UA2	The user presses “Back” button	SR2	The system returns orders list.

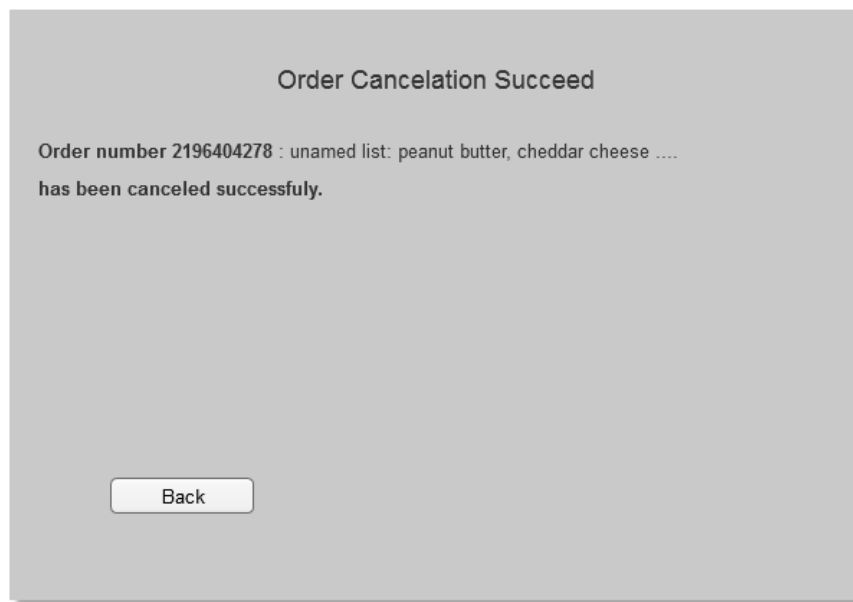
16. Cancel Order

Orders List

Select an order to view more details

Order Description	O.N	Order status
vegetable list: Tomatoes, carrot, cucumber	2864593741	out for delivery
fruits list : apple, orange, pineapple	5921954820	Delivered
unamed list: peanut butter, cheddar cheese	2196404278	order processing

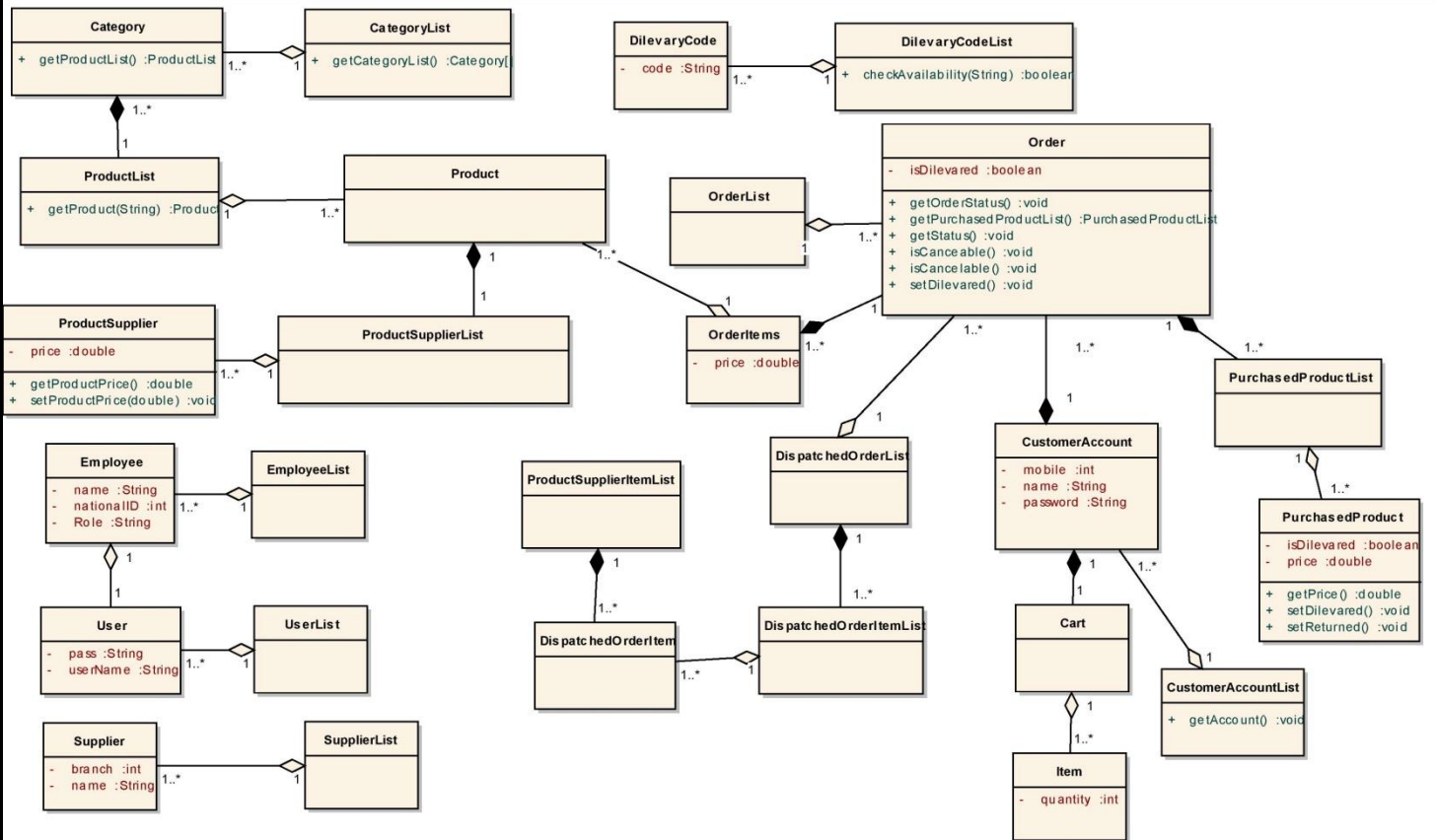
Cancel OrderTrack1



Use Case Number	15
Use Case Name	Cancel Order
Author/Source	Musaed Albrikan
Date of Creation	4\6\2015
Precondition(s)	Customer's order has been placed successfully
Successful Post Condition	Order has been canceled successfully
Actors	Customer
Priority	High *
Related Use Cases	Track Order , Make Order*
Flow of Events	
Main Flow	

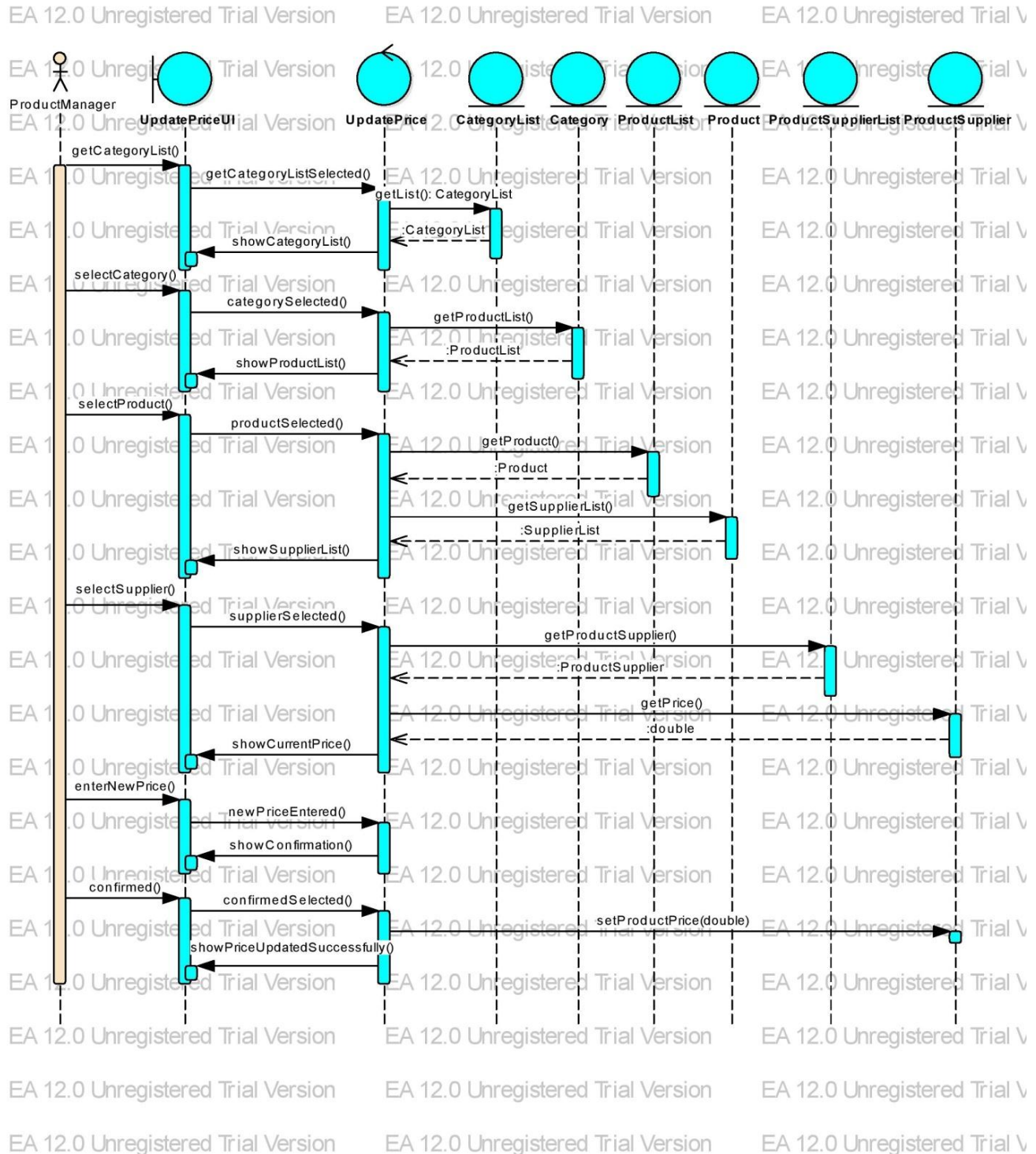
User Action		System Response	
UA1	The use case begins when the customer select an order from the orders list to cancel it and presses "Cancel Order" button.	SR1	The System then prompts a confirmation message to assure the cancelation.
UA2	The customer presses the "Yes" button A1: Customer presses the "No" button.	SR2	The System displays a message that indicates that the order has been canceled successfully and the use case ends. A2: Order status prevents the order from cancelation.
Alternative 1: Customer presses the "No" button			
User Action		System Response	
A1.UA1		A1.SR1	Main Flow.UA1
Alternative 2: A Order status prevents the order from cancelation			
User Action		System Response	
A2.UA1		A2.SR1	The System displays a message to inform the user the this order can not be canceled because of a particular status.
A2.UA2		A2.SR2	Main Flow.UA1

Class Diagram:

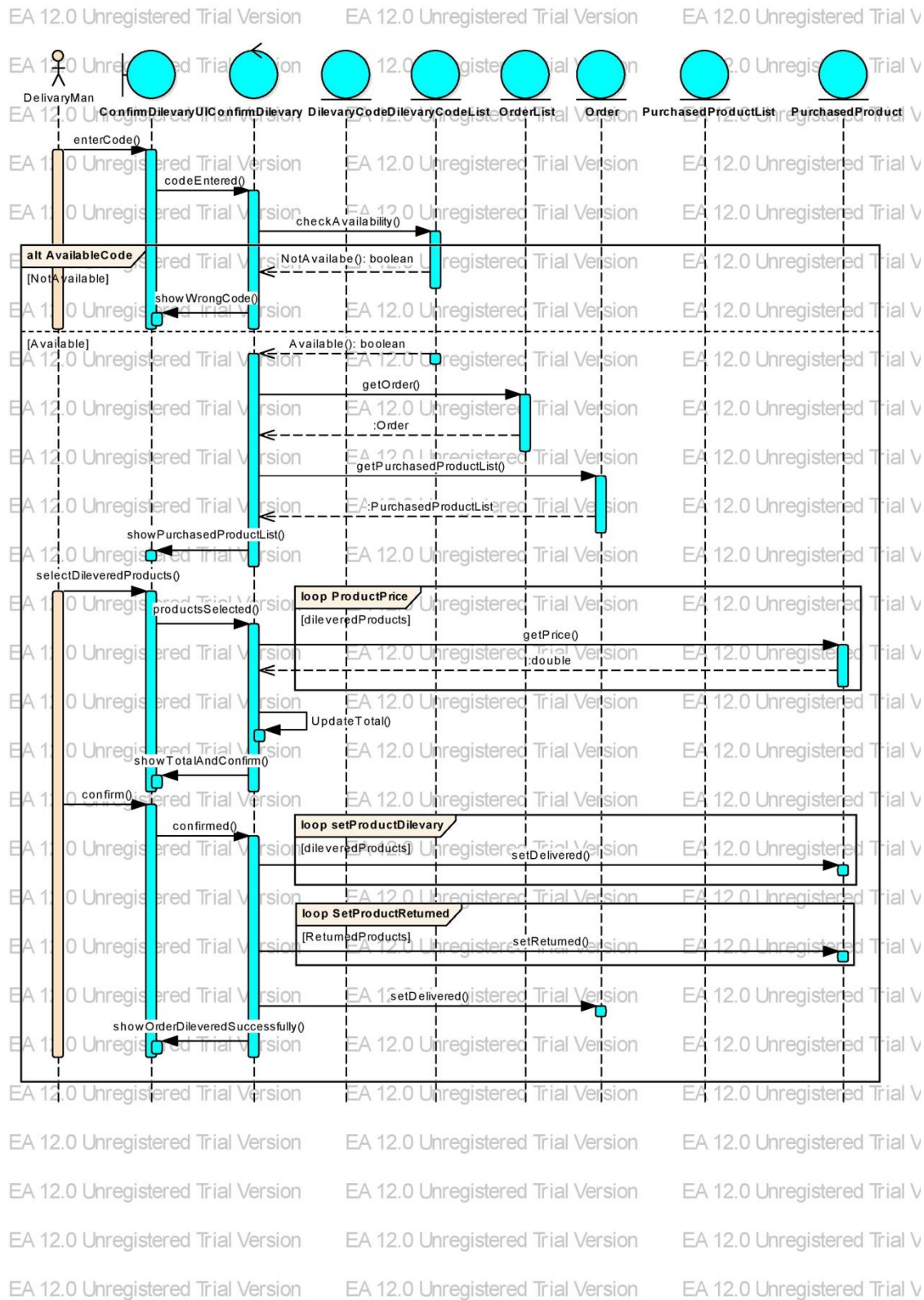


Interaction Diagrams:

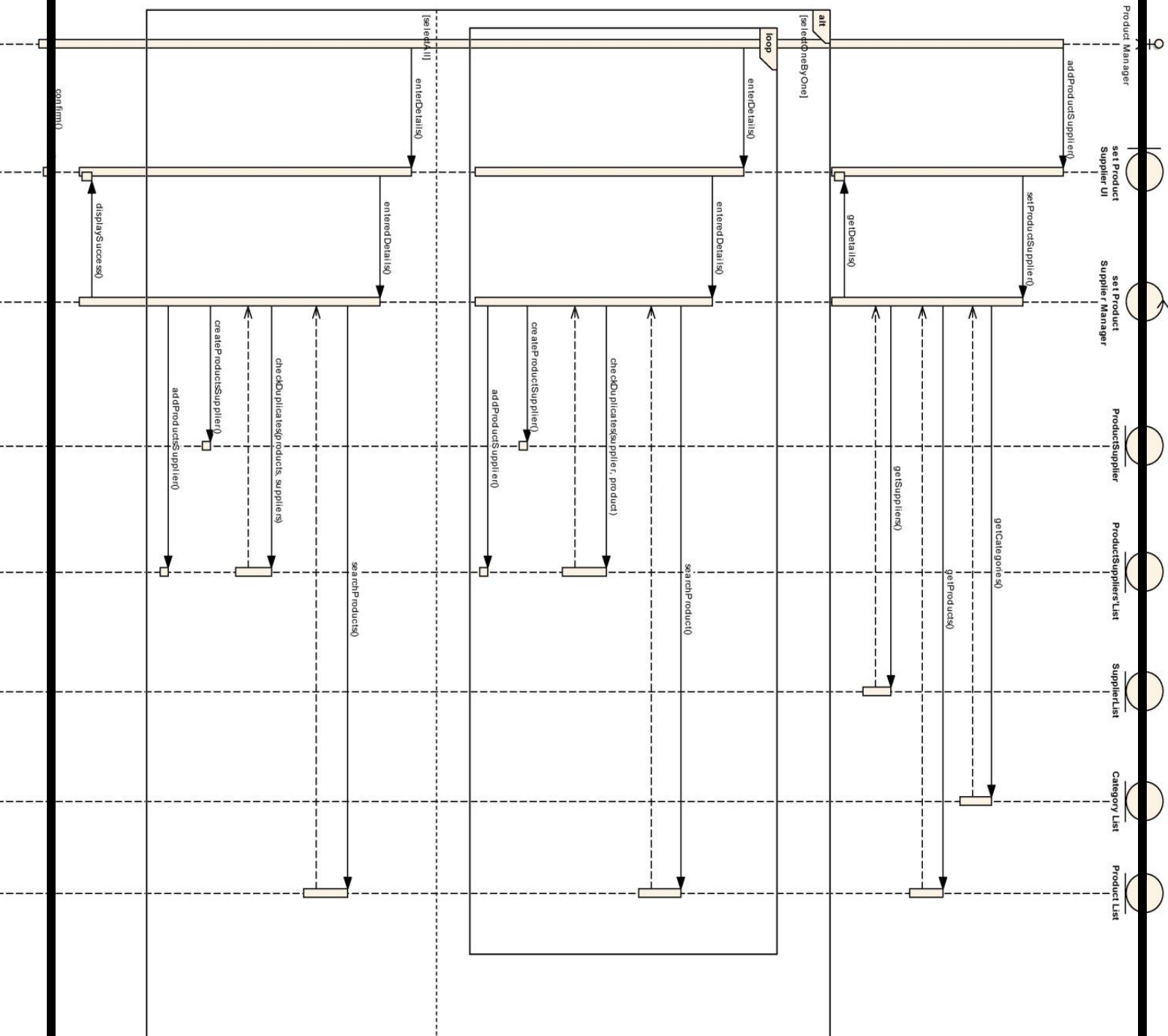
1. Update Product Price:



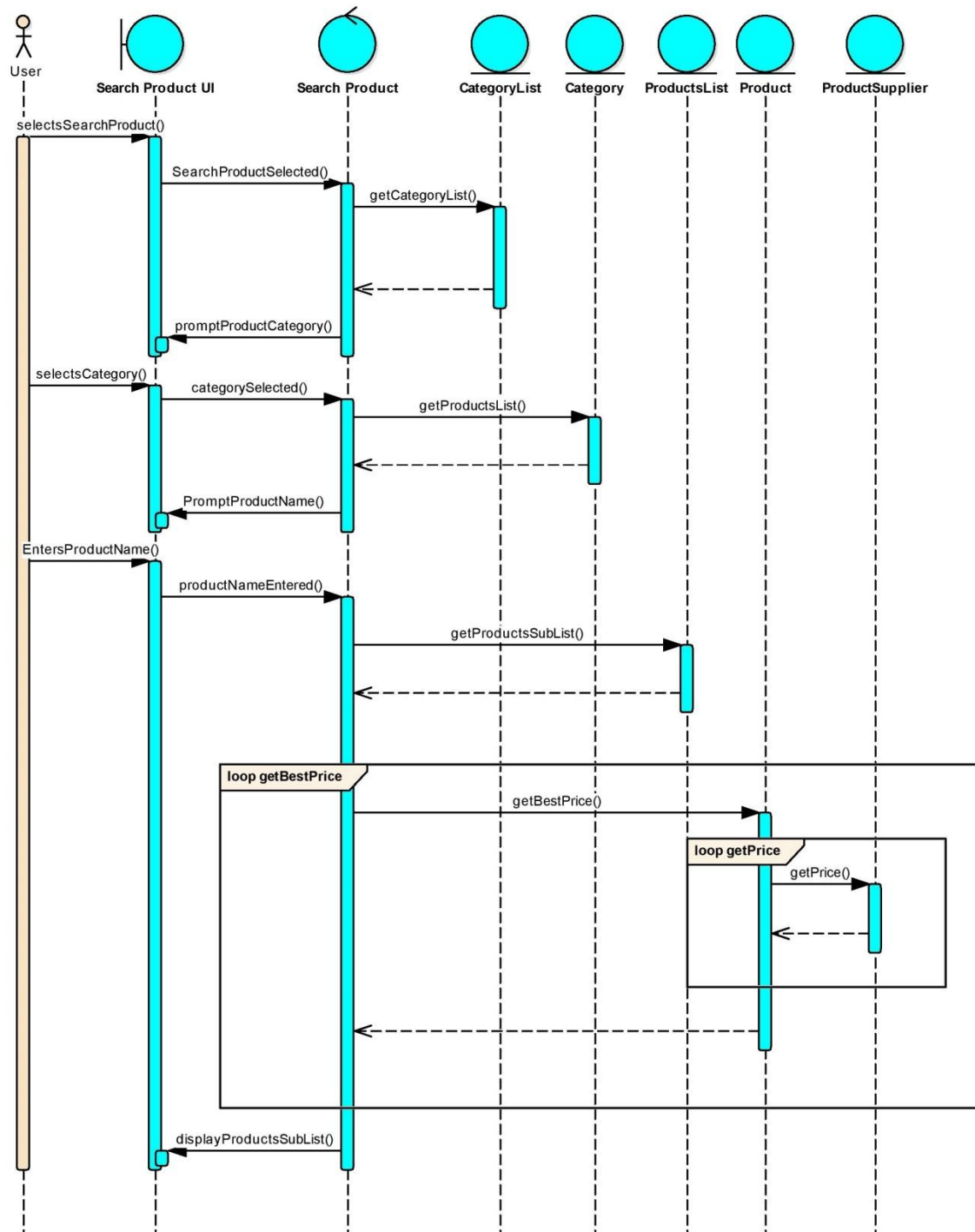
2. Confirm Delivery:



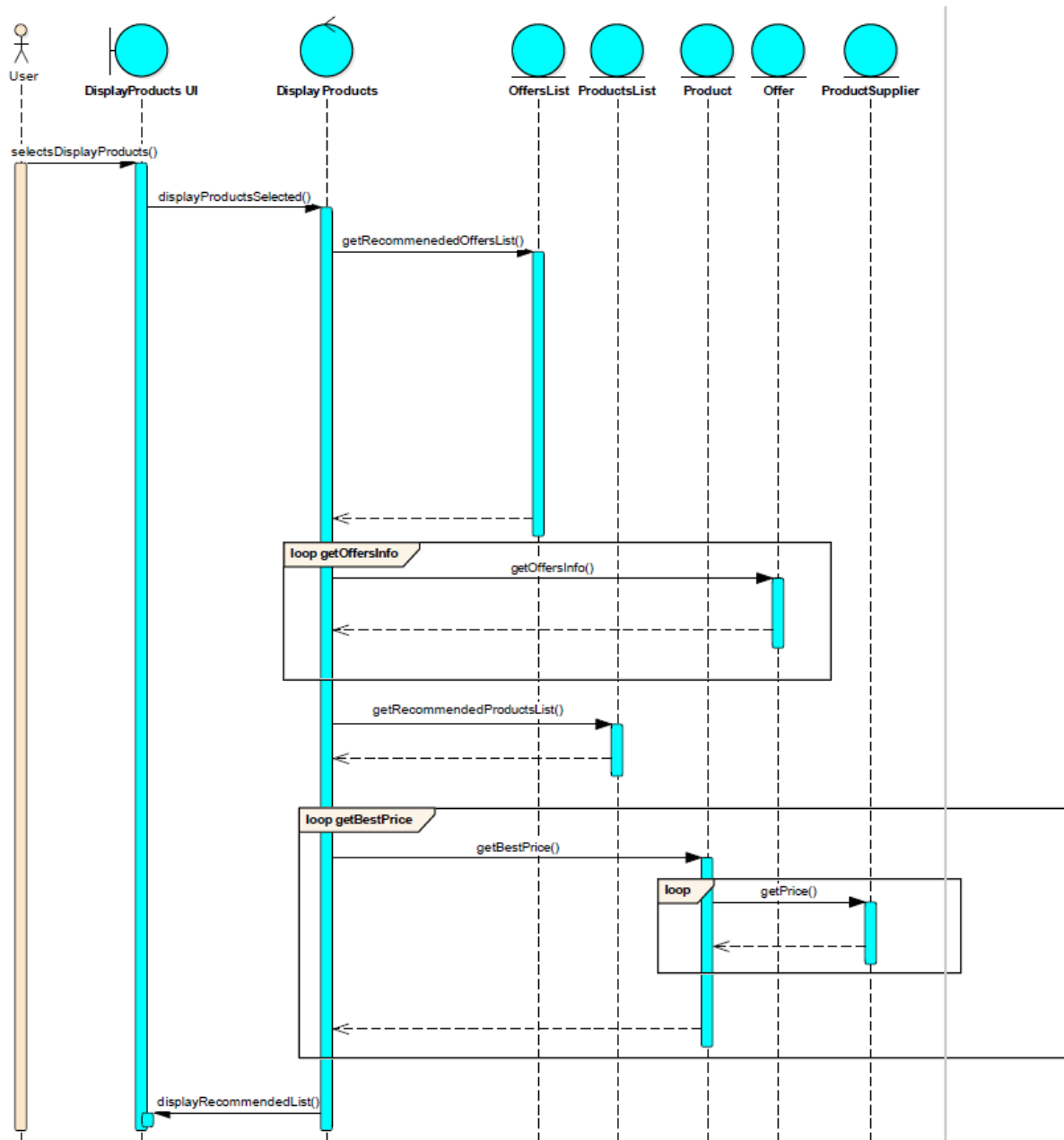
3. Set Product Supplier:



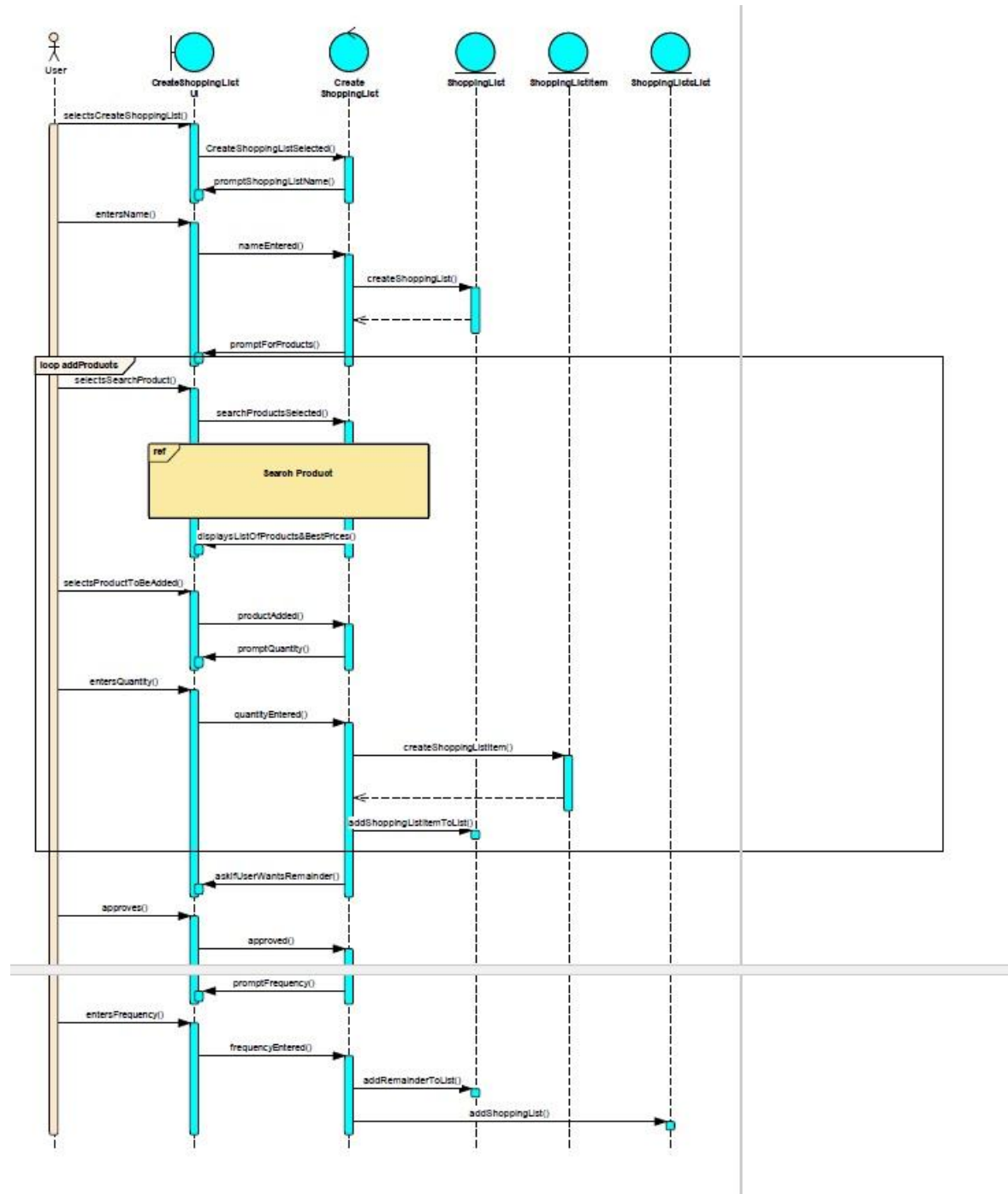
4. Search Product:



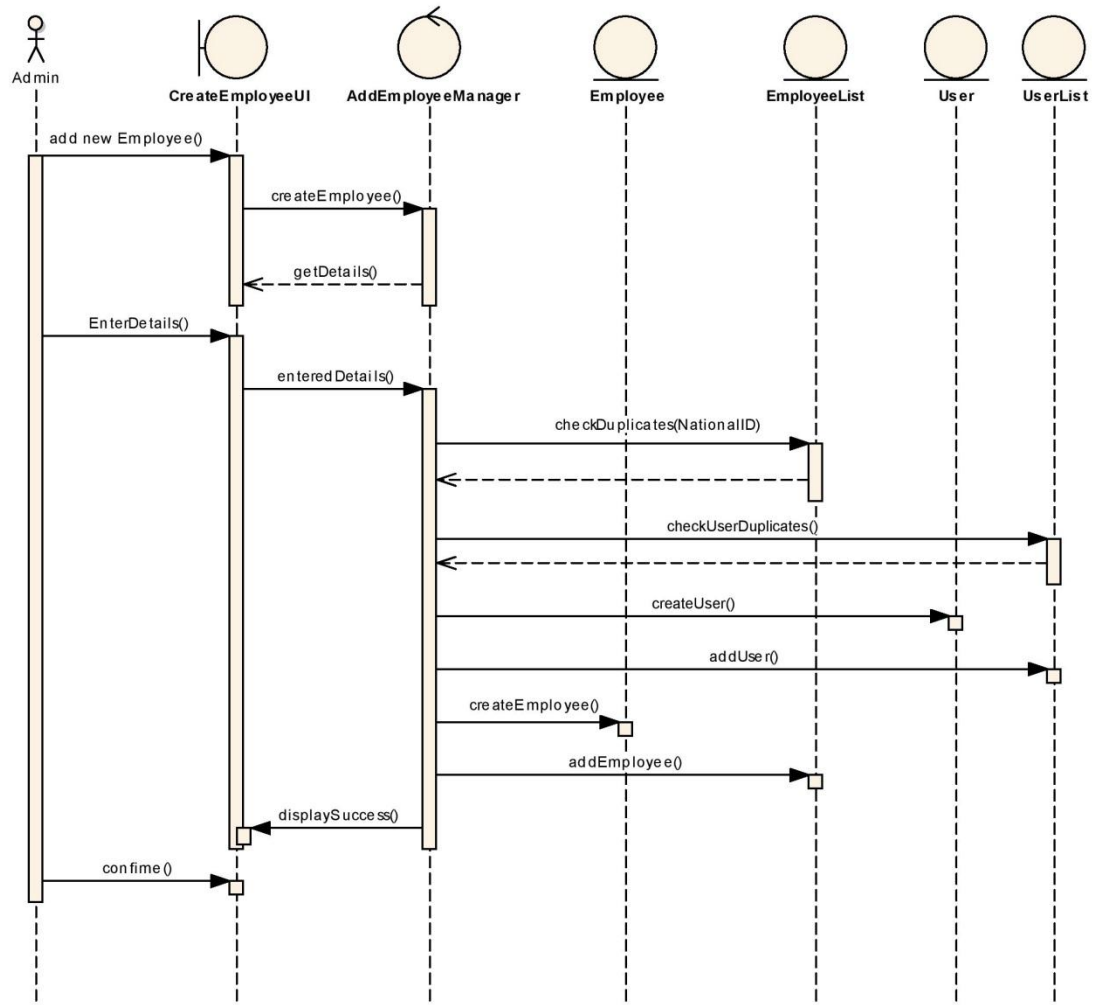
5. Display Products :



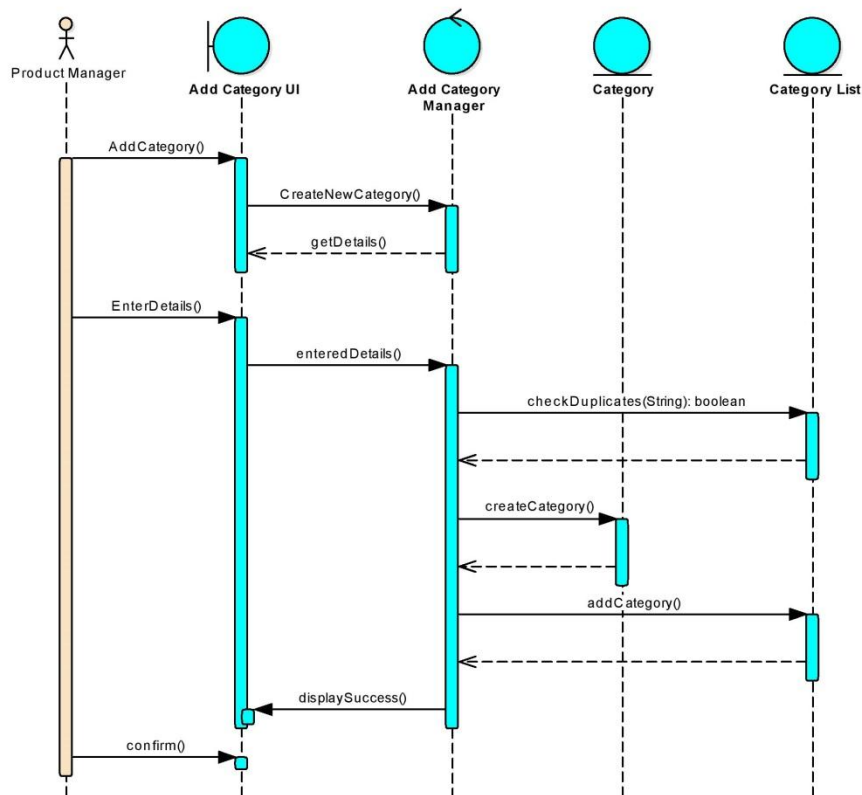
6. Create Shopping List :



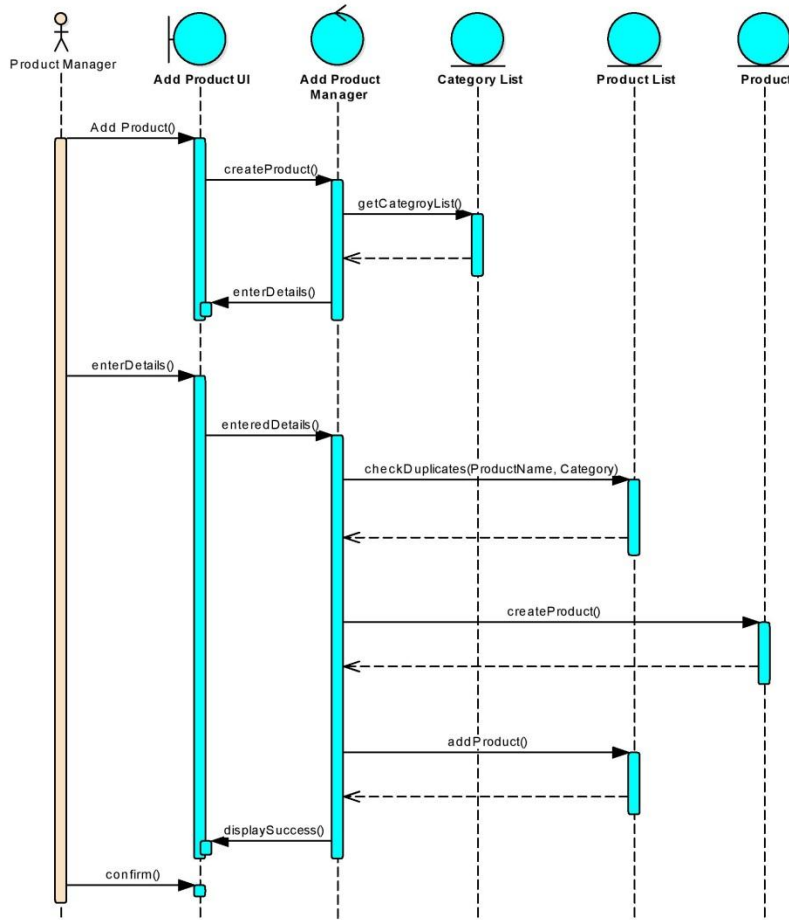
7. Create Employee:



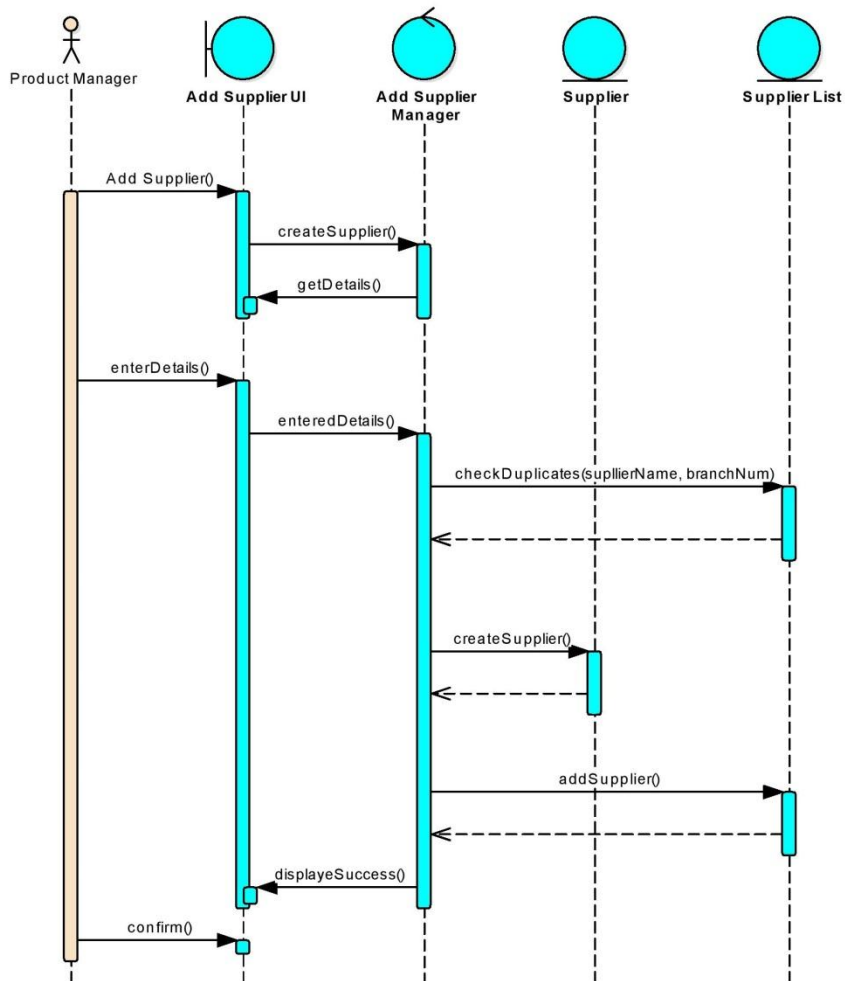
8. Add Category:



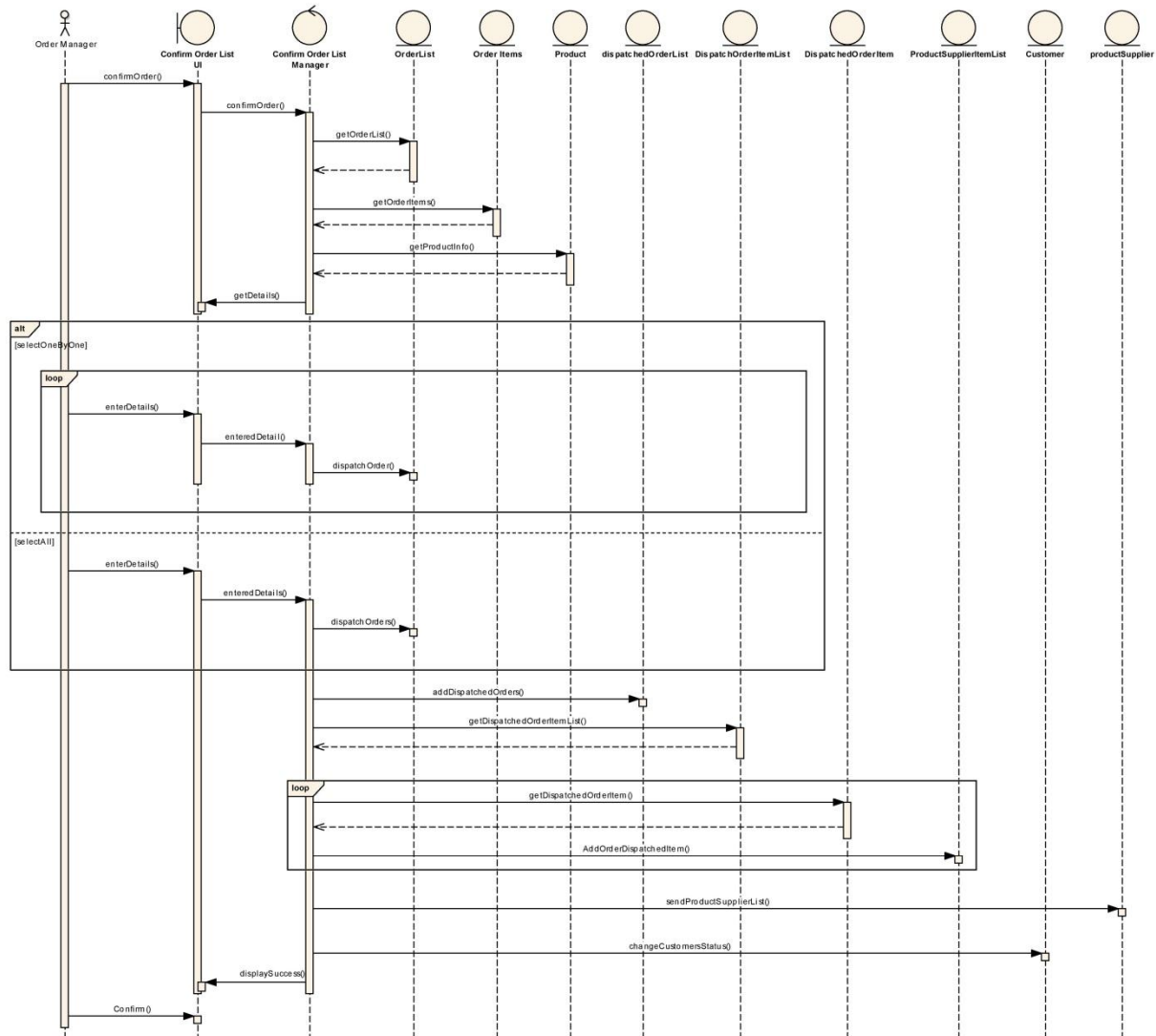
9. Add Product:



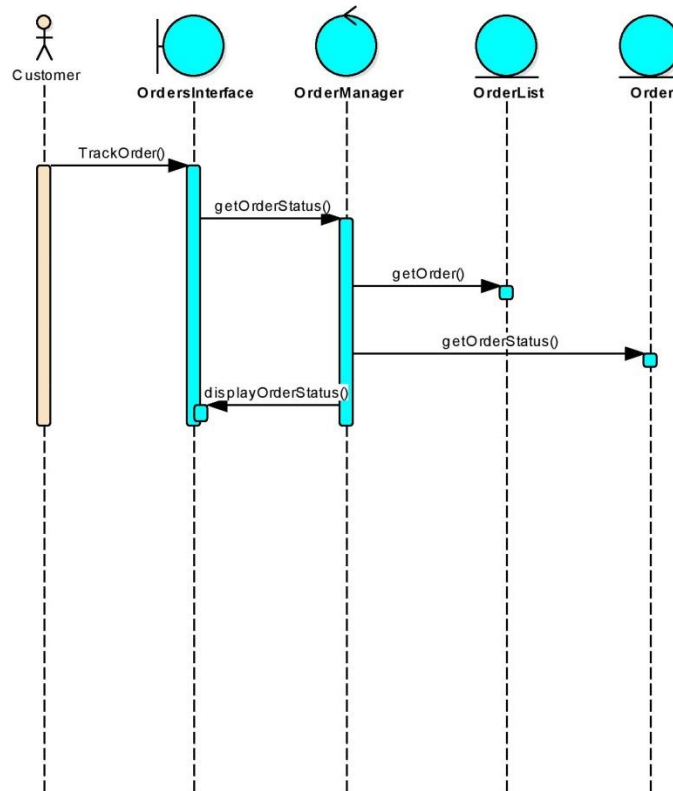
10. Add Supplier:



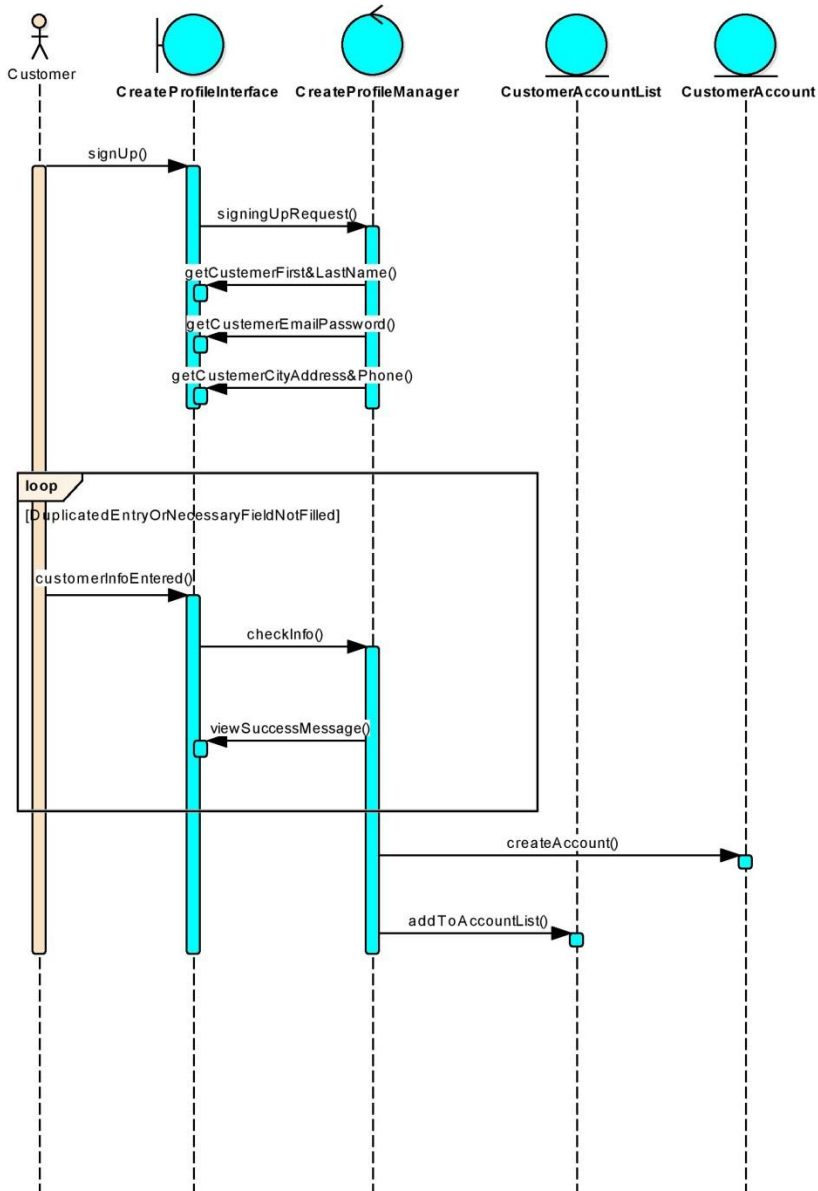
11. Confirm Order List:



12. Track Order:



13. Create Customer Account :



14. Cancel Order:

