Cosmetic store website

حسن عبد الهادي

حسنين صاحب

نور ستار

1.0-INTRODUCTION:

Nowadays the internet became one of the most important sector in the world, the internet has changed the way that the people look at life and business, shopping throw the internet became common thing and a lot of people prefer to buy throw the internet due to the easy way fined what u looking for with the ability to do it at any time and from anywhere.

2.0-PROBLEM STATEMENT:

We wish to make shopping as far as one click from our hand, so anyone who wants to buy from the store can access it throw the internet at any time and wherever having access to the world web.

This system will have a large impact on the shopping process by give the ability for reliably update data and the possibility to take action on trigger events and Enhance the time that was take to manage the data as well as the time that was need to retrieve the data, and making the shopping more arrange between the branches and more easy to update.

What is online shopping?

If the customer need to buy a piece of jewelry, the customer should go to the shop by him/her self and buy the jewelry.

The project helps the shop to do the purchase process in easier and faster way and also can save the time and money. This system will

allow the customers to do all the operation such as search and buying, and finally know about the special offers.

3.0-OBJECTIVES:

The aim of this project is to prepare the best way to purchase for customers with the easiest way and the pest price can offer. The system will allow the customers to search for the most possible prices anywhere and anytime. This is one of the biggest advantages of online shopping because the customer will have the peace of mind if they know that their received the best price by buying from online system.

By butting the system online, shopping will be available 24 hour 7 days a week and dealing with it anywhere and the customers can do directly anywhere and there is no need to go to the shop.

The system will provide great benefit for the shop by decrease the member of employees which the shop needed and as consequence well need to less physical space less bills and less rent for office which is the company needed.

less bills and less rent for office which is the shop needed. They processes of information will be more quickly than use manually system. However, The systems can do the same task repeatedly without getting bored, without break time or mistakes. The system can generated a lot of kind of helpful reports for help the company to make its decisions.

4.0-SCOPE OF STUDY:

The scope of this study will cover customer services to how to shop by using online shopping system. The system is online website which allows the customer to buy Cosmetics, after entering the

system the customer can search items; customer can select the item and order it.

The system also decrease the company work ,which allow the staff to control the day by day operation with easy way , manager can manage the system such as add new item ,delete an item, edit it ,make the price for each one.

5.0-LIST OF REQUIREMENTS:

Listed below are the functional requirements and non-functional requirement of the system. In the
priority column, the following short hands are used:
▪ M – mandatory requirements (something the system must do)
▪ D – desirable requirements (something the system preferably should do)
▪ O – optional requirements (something the system may do)
**5.1. FUNCTIONAL REQUIREMENTS**

No.	Requirement ID	Requirement Description	Priority
1	**CSW _01**	**Search**	
	CSW _01_01	Site must have a search engine to navigate through the items	M
2	**CSW** _01_02	Customer must type the name of the item that he/she is looking for	M
3	**CSW _02**	**Order**	
4	**CSW** _02_01	Customer can order any item if the item available	M
5	**CSW** _02_02	Customer must enter his/her information (name, address and phone number)	M
6	**CSW _03**	**Cancel Order**	
7	**CSW** _03_01	Customer can cancel an order	O
8	**CSW _04**	**Login (**Administrator**)**	
9	**CSW** _04_01	Administrators have accounts and can login	M
10	**CSW _05**	**Add item**	
11	**CSW** _05_01	Administrators can add items to the site	M

12	**CSW _06**	**Edit Item**	
13	**CSW** _06_01	Administrators can edit an existing item	M
14	**CSW _07**	**Delete Item**	M
15	**CSW** _06_02	Administrators can delete an item	D

5.2.NON- FUNCTIONAL REQUIREMENTS:

No.	Requirement ID	Requirement Description	Priority
13	**CSW _08**	**Reliability issues**	
14	**CSW _08_1**	If the system should crash no more than once per 24 hours.	**M**
15	**CSW _08_2**	If the system has been crashed, it should not be more than 20 Minutes	**M**
16	**CSW _08_3**	If the systems has been crashed, it should behave perfectly normal when reloaded again	
17	**CSW _09**	**Usability issues**	
18	**CSW _09_1**	That means we should make sure that the system stay working smoothly without any interruption.	**M**
19	**CSW _10**	**Security issues**	
20	**CSW _10_1**	Only Administrator will be able to enter the system to make maintenance.	**M**
21	**CSW _11**	**Performance**	
22	**CSW _11_1**	The system must have a high speed of manipulation data and reply to the user request.	**M**

6.0-USE CASE DIAGRAM FOR CSW:
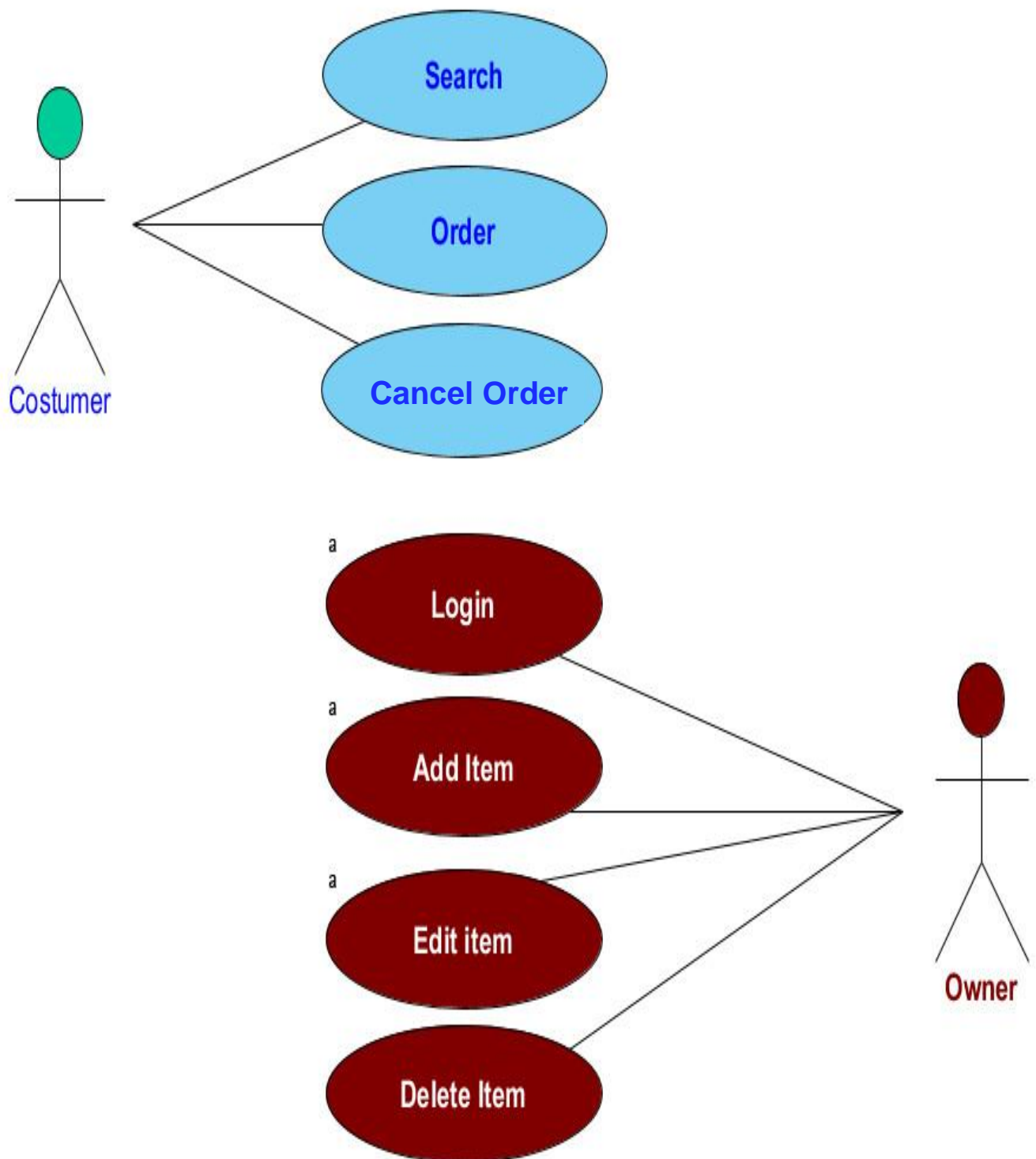
7.0-USE CASE: SEARCH (CSW_01):

Customer   **Search**

7.1 BREIF DESCRIPTION (CSW_01_01):

User initiates this use case. This use case will enable the user to search through the database of items by entering the name of the item.

7.2 PRE-CONDITIONS (CSW_01_02)

Not applicable.

7.3 CHARACTERISTIC OF ACTIVATION (CSW_01_03)

Event-driven (on user's choice).

7.4 FLOW OF EVENTS (CSW_01_04)

7.4.1 BASIC FLOW (CSW_01_04_01):

- The use case begins when the user enters the main page.
- The user types an item name and hit search button.
- The system will show the result of that search.

7.4.2 ALTERNATIVE FLOW (CSW_01_04_02)

Not applicable.

7.4.3 EXCEPTIONAL FLOW (CSW_01_04_03)

[E-1: Item does not exist]

- The system will show (Item does not exist) message if the item does not exist in the database.
- The system will return to main page.

7.5 POST-CONDITIONS (CSW_01_05)

Not applicable

7.6 RULE(S) (CSW_01_06)

Not applicable.

7.7 CONSTRAINT(S) (CSW_01_07)

Not applicable

8.0-USE CASE: ORDER (CSW_02):

Customer   **Order**

8.1 BREIF DESCRIPTION (CSW_02_01):

The user initiates this use case. This use case enables the costumer to order an item.

8.2 PRE-CONDITIONS (CSW_02_02)

- The costumer selects an Item first.
- The item must exist and be available.

8.3 CHARACTERISTIC OF ACTIVATION (CSW_02_03)

Event-driven (on user's choice).

8.4 FLOW OF EVENTS (CSW_02_04)

8.4.1 BASIC FLOW (CSW_02_04_01):

- The use case begins when the user selects an item.
- The user hits order button.
- The system will show a dialog.
- The user will enter his/her information and address.
- The user will press (order now) button.

8.4.2 ALTERNATIVE FLOW (CSW_02_04_02)

Not applicable.

8.4.3 EXCEPTIONAL FLOW (CSW_02_04_03)

[E-1: Item is not available]

- The system will show (Item is not available) message if the item is not available.
- The system will return to main page.

8.5 POST-CONDITIONS (CSW_02_05)

Not applicable

8.6 RULE(S) (CSW_02_06)

Not applicable.

8.7 CONSTRAINT(S) (CSW_02_07)

Not applicable

9.0-USE CASE: CANCEL ORDER (CSW_03):

Customer   Cancel order

9.1 BREIF DESCRIPTION (CSW_03_01):

The user initiates this use case. This use case enables the costumer to cancel a previous order.

9.2 PRE-CONDITIONS (CSW_03_02)

The costumer must have ordered an Item before.

9.3 CHARACTERISTIC OF ACTIVATION (CSW_03_03)

Event-driven (on user's choice).

9.4 FLOW OF EVENTS (CSW_03_04)

9.4.1 BASIC FLOW (CSW_03_04_01):

- The use case begins when the user press (cancel an order) button.
- The system will show an order cancellation window.
- The user will type the number of the order.
- The user will press (cancel order now) button.

9.4.2 ALTERNATIVE FLOW (CSW_03_04_02)

Not applicable.

9.4.3 EXCEPTIONAL FLOW (CSW_03_04_03)

[E-1: Order cannot be canceled]

- The system will show (**Order cannot be canceled**) cannot be canceled.
- The system will return to main page.

9.5 POST-CONDITIONS (CSW_03_05)

Not applicable

9.6 RULE(S) (CSW_03_06)

Not applicable.

9.7 CONSTRAINT(S) (CSW_03_07)

The order can be canceled within 6 hours from the time of order.

10.0-USE CASE: LOGIN (ADMIN) (CSW_04):

Admin   **Login**

10.1 BREIF DESCRIPTION (CSW_04_01):

The admin initiates this use case. This use case will enable the admin to login into the system

10.2 PRE-CONDITIONS (CSW_04_02)

The person must be a registered admin in order for him/her to login to the system.

10.3 CHARACTERISTIC OF ACTIVATION (CSW_04_03)

Event-driven (on admin's choice).

10.4 FLOW OF EVENTS (CSW_04_04)

10.4.1 BASIC FLOW (CSW_04_04_01):

• This use case begin when the admin enter the main page and press (login here) button.
• The system will display login form.
• The user enters the ID and Password and press "login" button. [A-1: Forget ID Password]
• The system will retrieve the ID & Password from database.
• The system will verify ID & Password [E-1: wrong ID & Password].
• System will display main page.

10.4.2 ALTERNATIVE FLOW (CSW_04_04_02)

[A-1: Forget Id & Password]
• Press "forget password " button.
• The system show password recovery page.
• The admin should enter his /her e-mail.
• The admin will press "retrieve password "button.
• The system retrieve admin E-mail from database.
• The system will verify user E-mail(E-1 :A-1 :E-mail not exist).
• The system will send ID & Password by e-mail and display retrieve successful page.

10.4.3 EXCEPTIONAL FLOW (CSW_04_04_03)

[E-1:A-1:E-Mail Not Exist]

 The system will show error message "E-mail not exist "and display the main page.

10.5 POST-CONDITIONS (CSW_04_05)

The user Login to the system.

10.6 RULE(S) (CSW_04_06)

 Not applicable.

10.7 CONSTRAINT(S) (CSW_04_07)

The user must enter the correct user name and password.

11.0-USE CASE: ADD ITEM (ADMIN) (CSW_05):

Admin   **Add item**

11.1 BREIF DESCRIPTION (CSW_05_01):

The admin initiates this use case. This use case will enable the admin to add an item to the database.

11.2 PRE-CONDITIONS (CSW_05_02)

The person must be a registered admin in order for him/her to add an item to the system.

11.3 CHARACTERISTIC OF ACTIVATION (CSW_05_03)

Event-driven (on admin's choice).

11.4 FLOW OF EVENTS (CSW_05_04)

11.4.1 BASIC FLOW (CSW_05_04_01):

- The use case begins when the admin press (Add Item) button.
- The system will show an add item window.
- The admin will enter the new item information along with its picture.
- The admin will press (add now) button.

11.4.2 ALTERNATIVE FLOW (CSW_05_04_02)

Not applicable.

11.4.3 EXCEPTIONAL FLOW (**CSW_05_04_03**)

Not applicable

11.5 POST-CONDITIONS (CSW_05_05)

The Item is added to the database.

11.6 RULE(S) (CSW_05_06)

Not applicable.

11.7 CONSTRAINT(S) (CSW_05_07)

Not applicable.

12.0-USE CASE: EDIT ITEM (ADMIN) (CSW_06):

Admin   **Edit Item**

12.1 BREIF DESCRIPTION (CSW_06_01):

The admin initiates this use case. This use case will enable the admin to edit an existing item.

12.2 PRE-CONDITIONS (CSW_06_02)

The person must be a registered admin in order for him/her to edit an item to the system.

12.3 CHARACTERISTIC OF ACTIVATION (CSW_06_03)

Event-driven (on admin's choice).

12.4 FLOW OF EVENTS (CSW_06_04)

12.4.1 BASIC FLOW (CSW_06_04_01):

- The use case begins when the admin press (Edit Item) button.
- The system will ask for item id.
- The system will show edit window.
- The admin will enter the new information.
- The admin will press (Done) button.

12.4.2 ALTERNATIVE FLOW (CSW_06_04_02)

Not applicable.

12.4.3 EXCEPTIONAL FLOW (**CSW_06_04_03**)

Not applicable

12.5 POST-CONDITIONS (CSW_06_05)

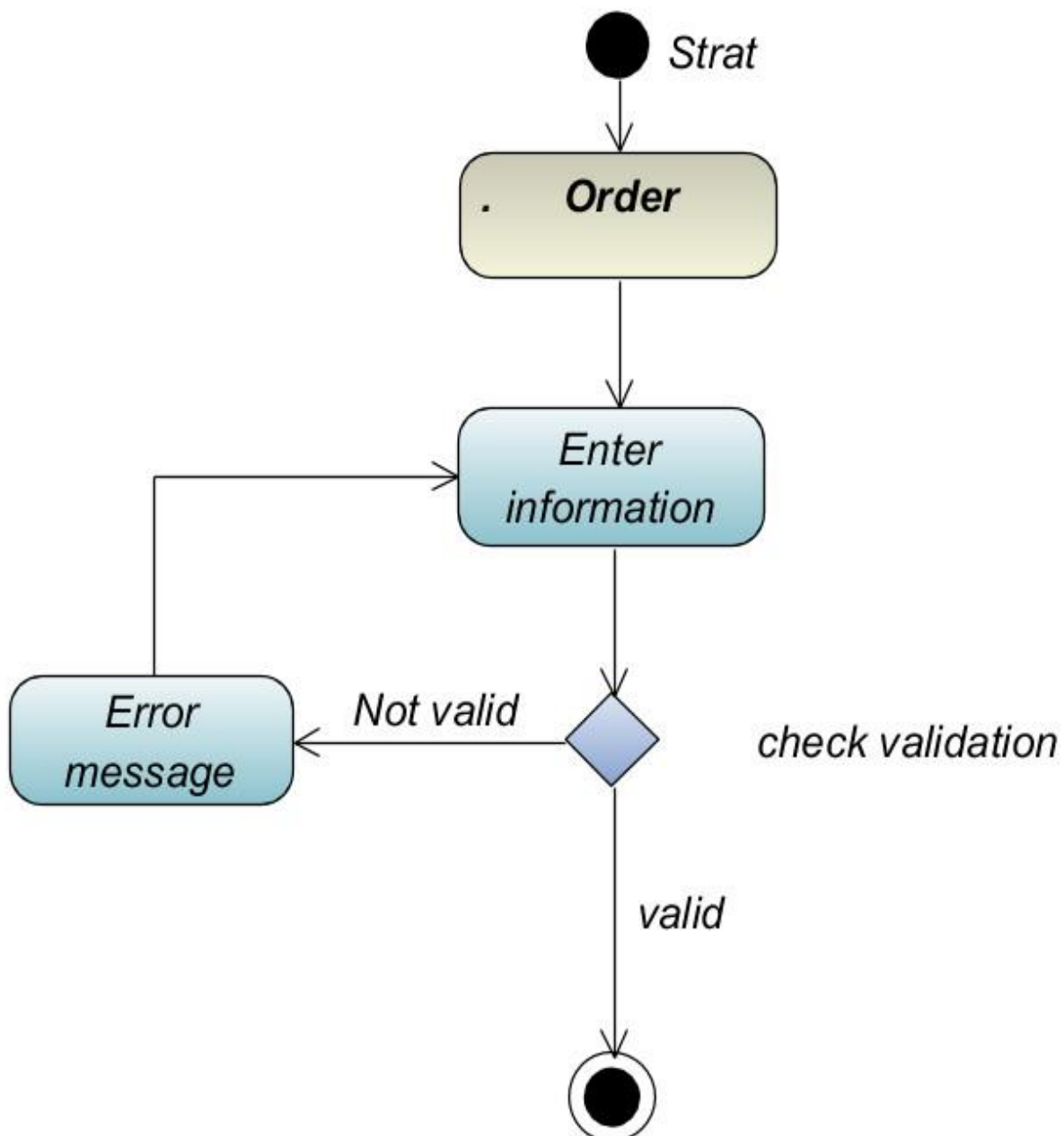The Item is edited.

12.6 RULE(S) (CSW_06_06)

Not applicable.
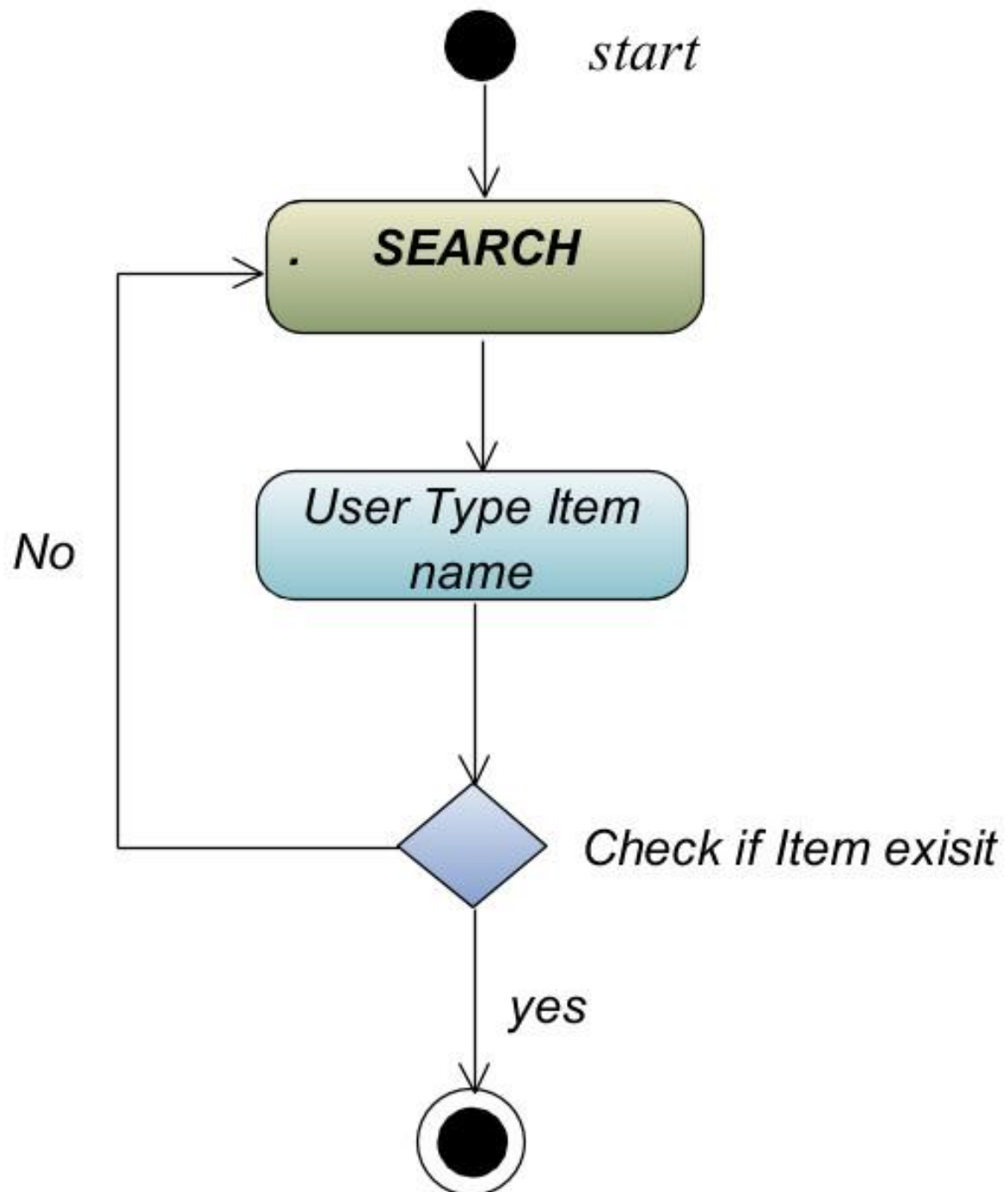
12.7 CONSTRAINT(S) (CSW_06_07)

Not applicable.

13.0-USE CASE: DELETE ITEM (ADMIN) (CSW_07):

Admin   **Delete Item**

13.1 BREIF DESCRIPTION (CSW_07_01):

The admin initiates this use case. This use case will enable the admin to delete an existing item.

13.2 PRE-CONDITIONS (CSW_07_02)

The person must be a registered admin in order for him/her to edit an existing item.

13.3 CHARACTERISTIC OF ACTIVATION (CSW_07_03)

Event-driven (on admin's choice).

13.4 FLOW OF EVENTS (CSW_07_04)

13.4.1 BASIC FLOW (CSW_07_04_01):

- The use case begins when the admin press (delete Item) button.
- The system will ask for item id.
- The system will show a confirm window.
- The admin will press (Yes) button.
-

13.4.2 ALTERNATIVE FLOW (CSW_07_04_02)

Not applicable.

13.4.3 EXCEPTIONAL FLOW (CSW_07_04_03)

Not applicable

13.5 POST-CONDITIONS (CSW_07_05)

The Item is deleted.

13.6 RULE(S) (CSW_07_06)

Not applicable.

13.7 CONSTRAINT(S) (CSW_07_07)

Not applicable.

14.0- ACTIVITY DIAGRAM FOR CSW

The activity diagram for CSW will present each use case by the following:
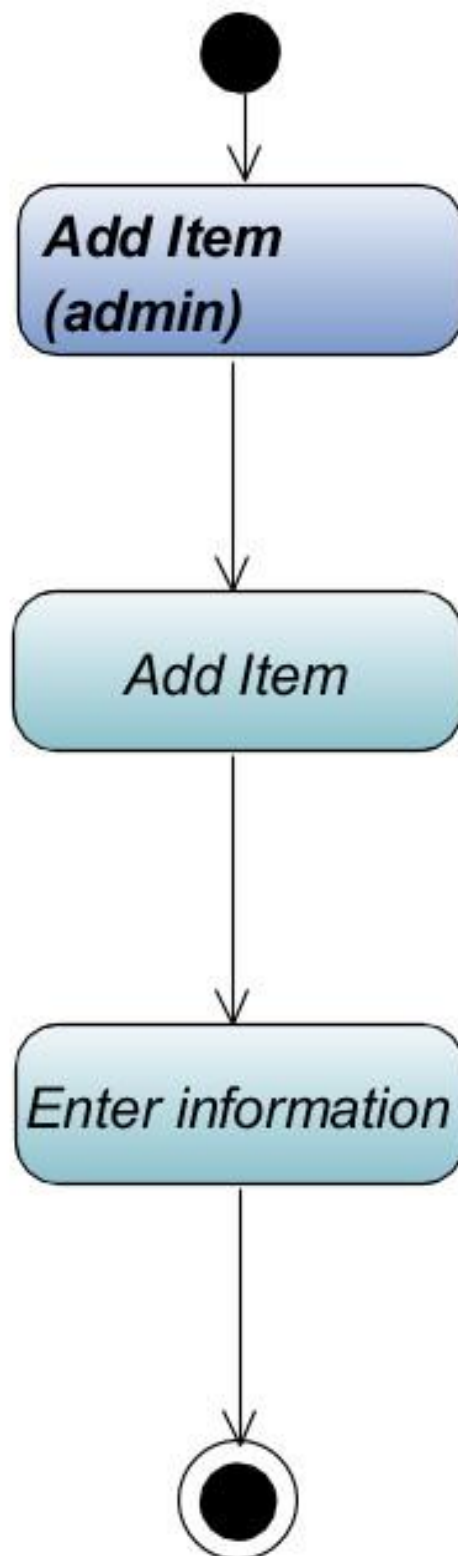
14.1-Order an Item:

14.2- Search:

start

. **SEARCH**

User Type Item name

No

Check if Item exisit

yes

14.3-Cancel an Order:

14.4-Login (Admin):

Strat

Login (admin)

Login

Enter ID & password

Reenter ID & password

check ID & password

correct ID & password

14.5-Add an Item (Admin):
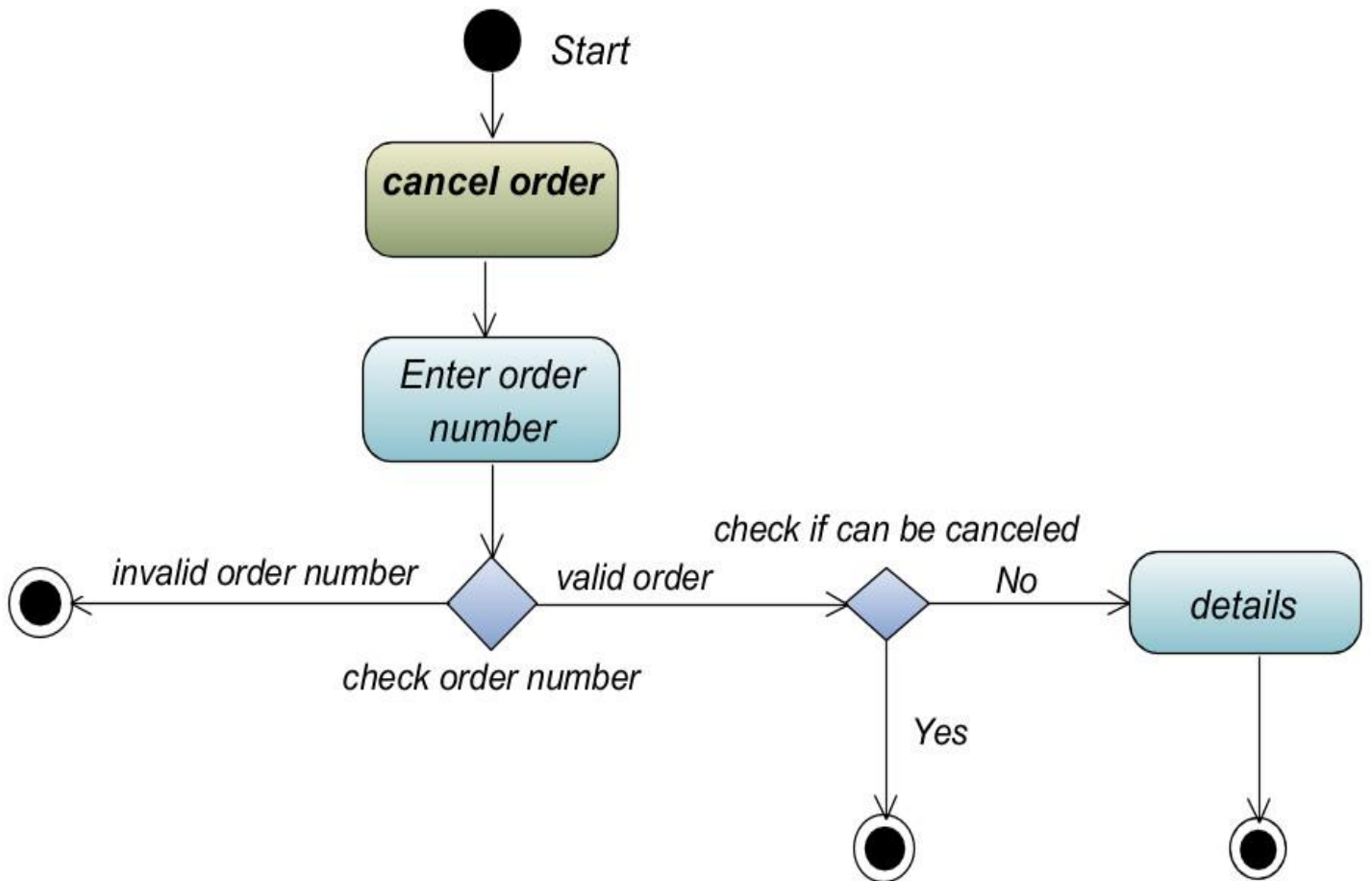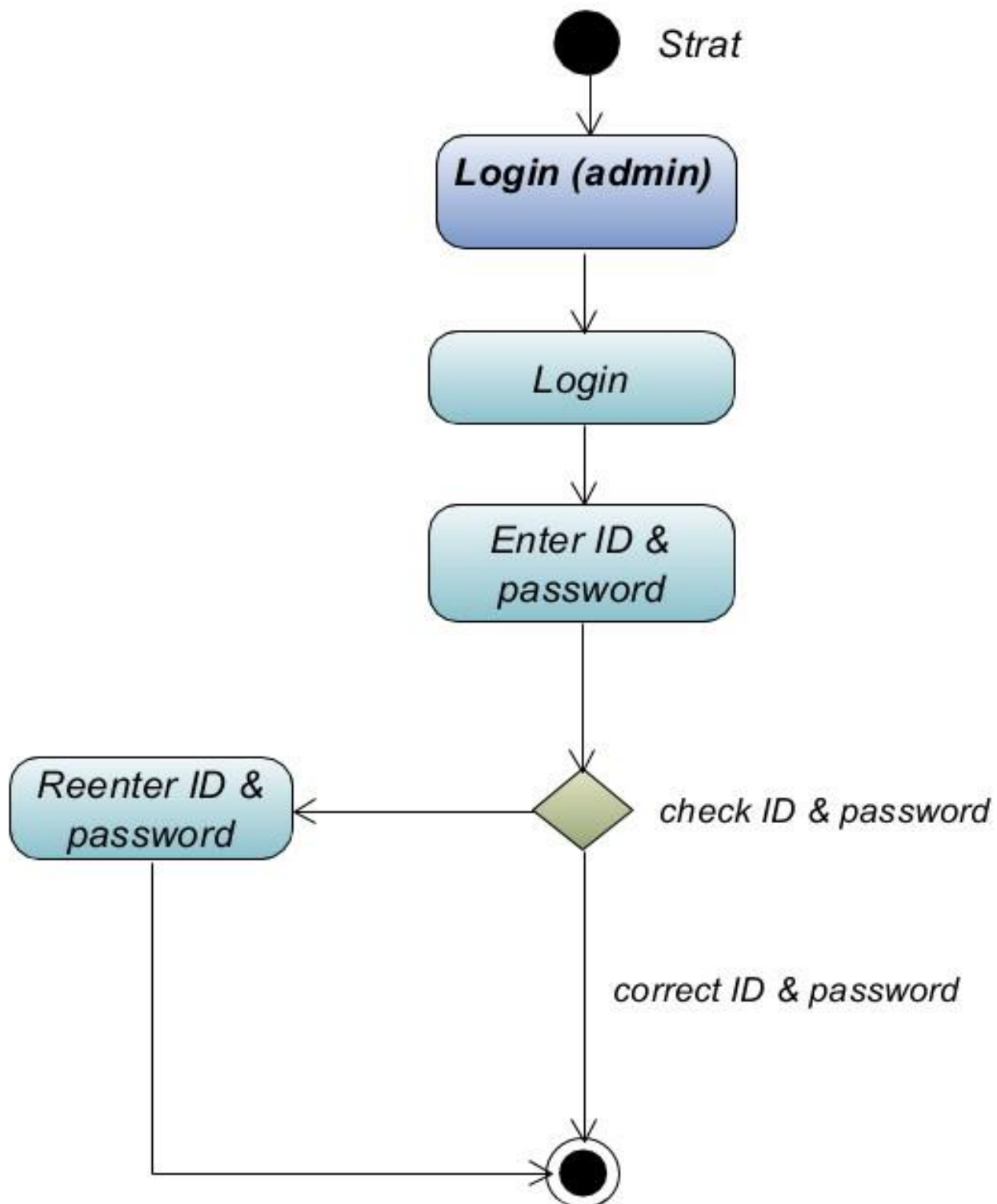
```
        ●
        │
        ▼
┌─────────────────┐
│  Add Item       │
│  (admin)        │
└─────────────────┘
        │
        ▼
┌─────────────────┐
│    Add Item     │
└─────────────────┘
        │
        ▼
┌─────────────────┐
│ Enter information│
└─────────────────┘
        │
        ▼
        ◉
```

14.6-Edit an Item (Admin):

14.7-Delete an Item (Admin):

Delete Item (admin)

Delete Item

Enter Item ID

Main page

No

Are you sure?

Yes
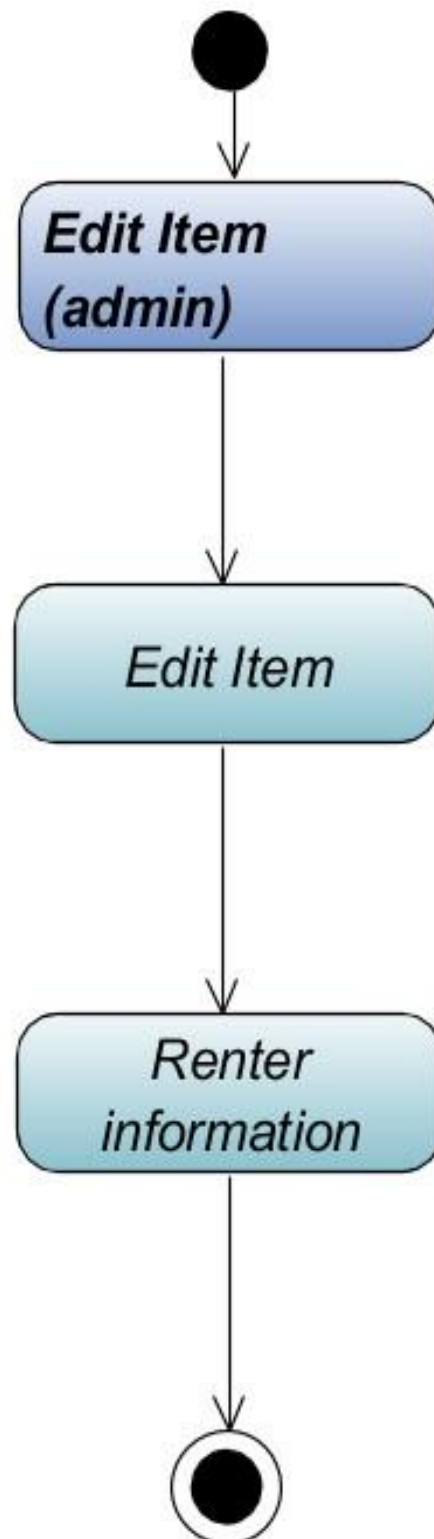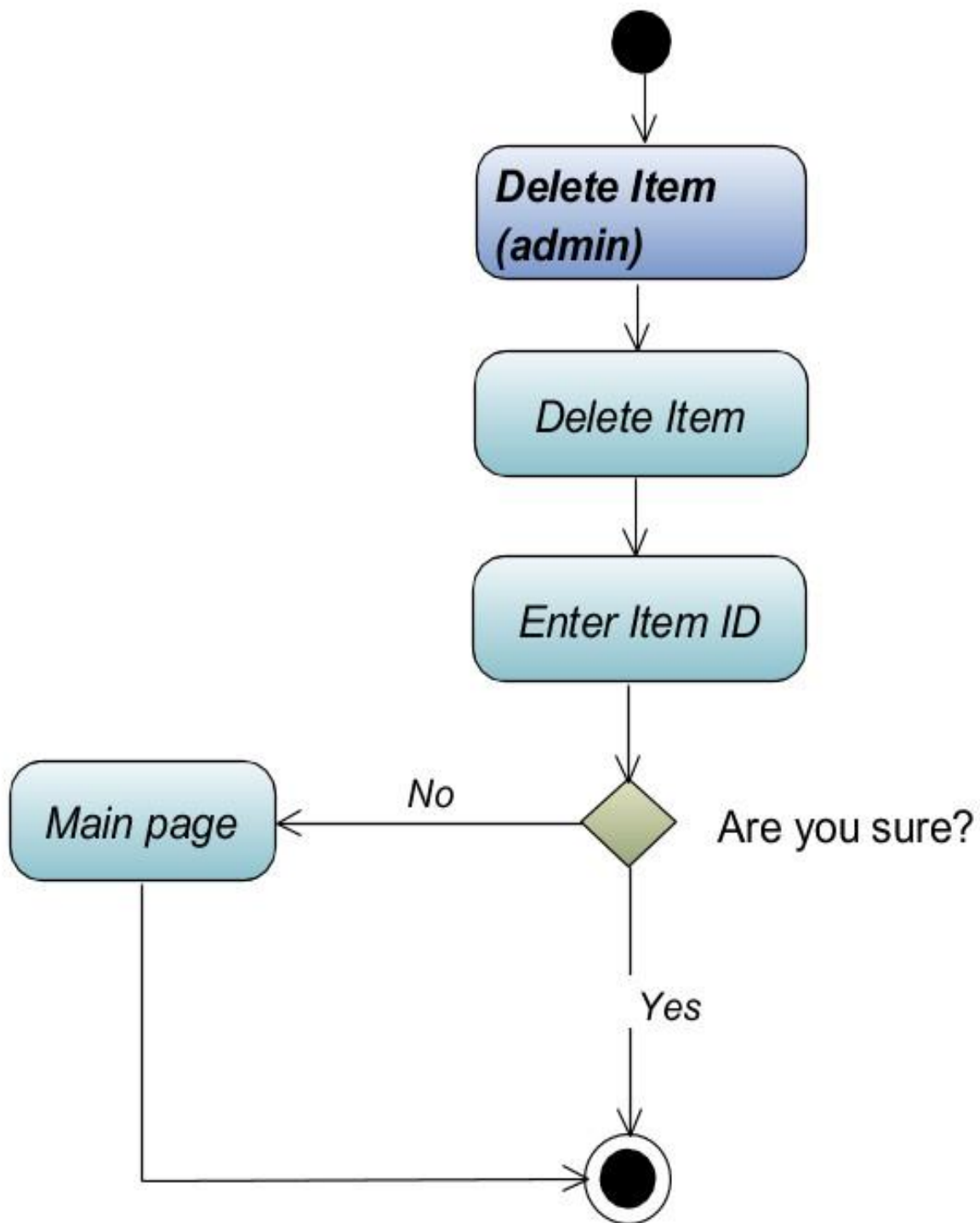
15.0- ANALYSIS SEQUENCE DIAGRAM:

NOTE: We will use **Combined Fragment** method to handle **exceptions and conditions.**

Combined fragment **is an interaction fragment which defines a combination (expression) of interaction fragments. A combined fragment is defined by an** interaction operator **and corresponding** interaction operands**. Through the use of combined fragments the user will be able to describe a number of** traces **in a compact and concise manner.**

15.1 SEQUENCE DIAGRAM FOR USE CASE search:
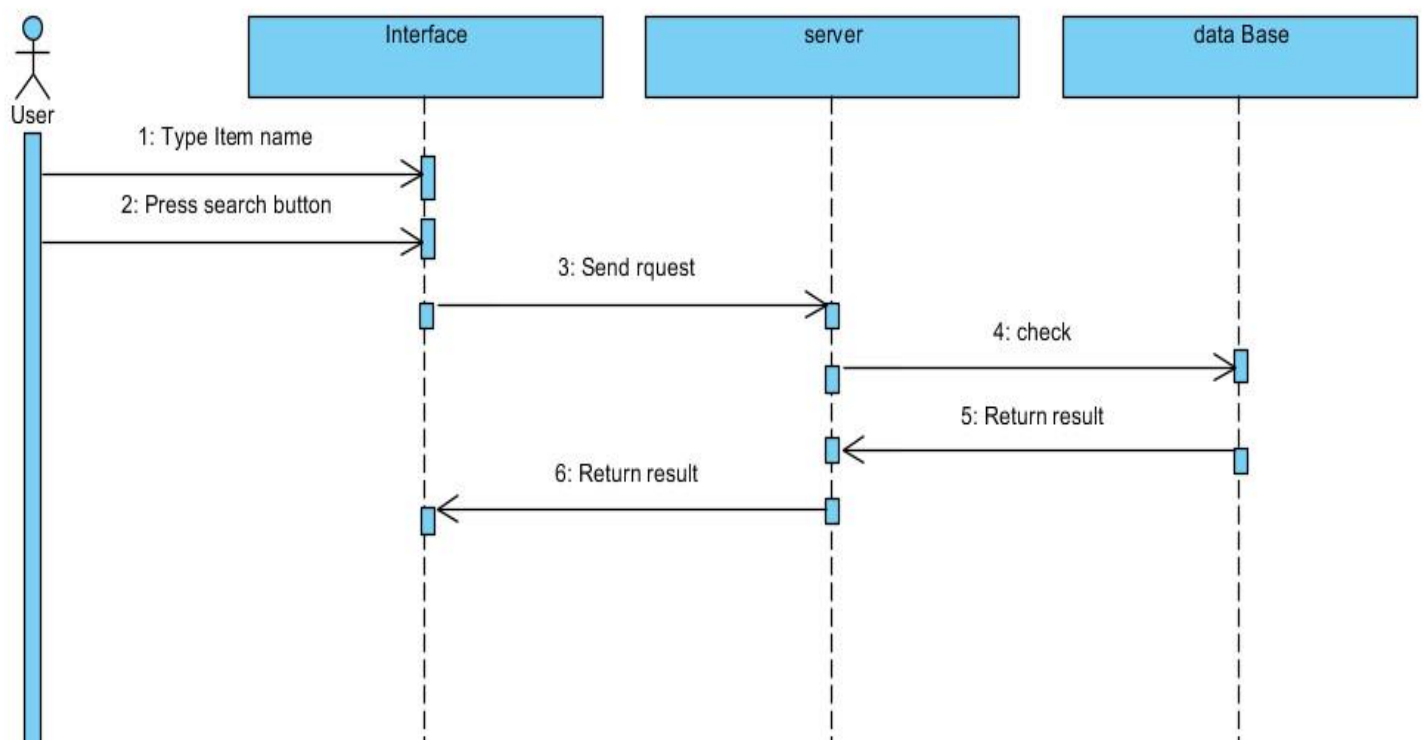
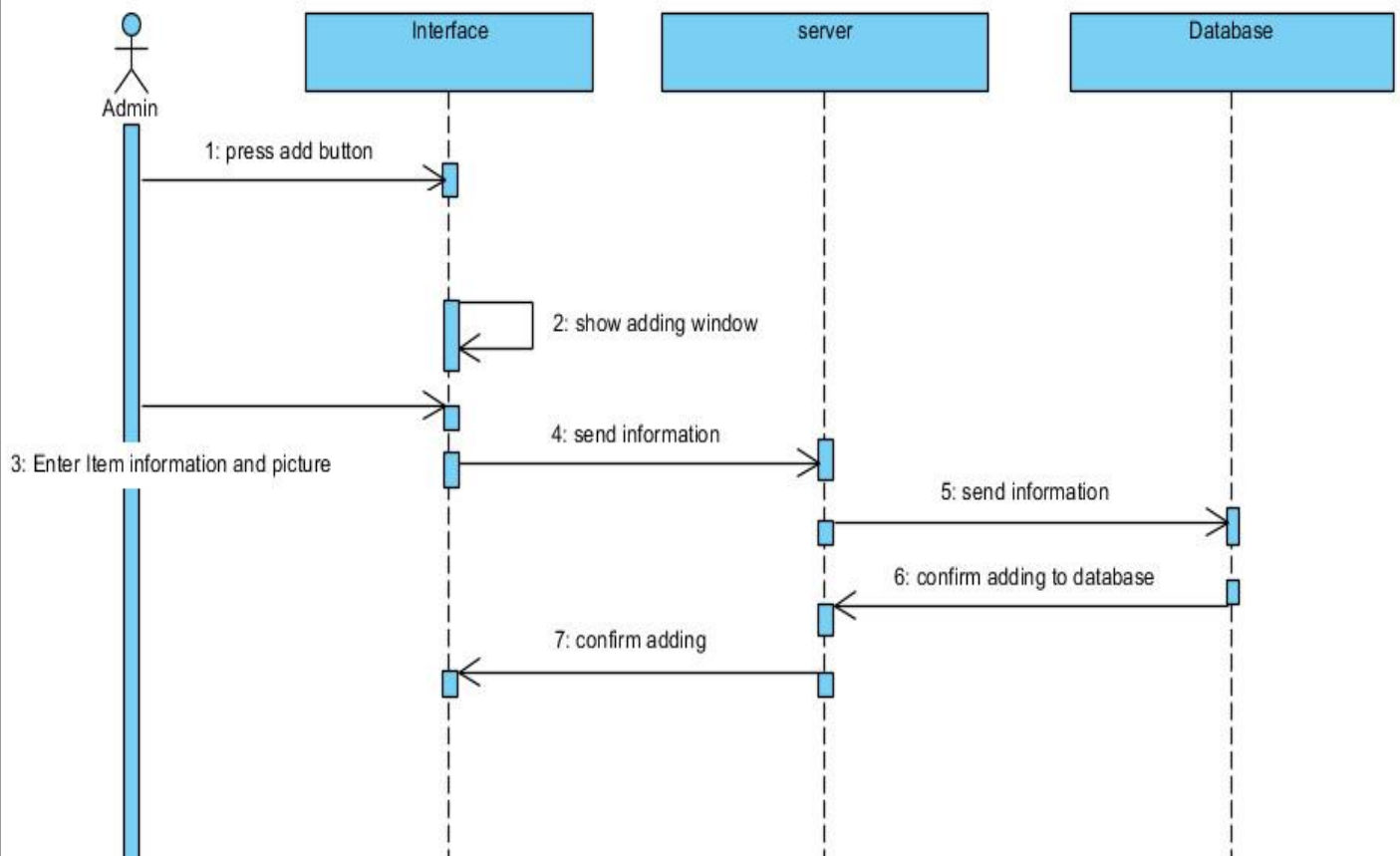# 15.2 SEQUENCE DIAGRAM FOR USE CASE Order:
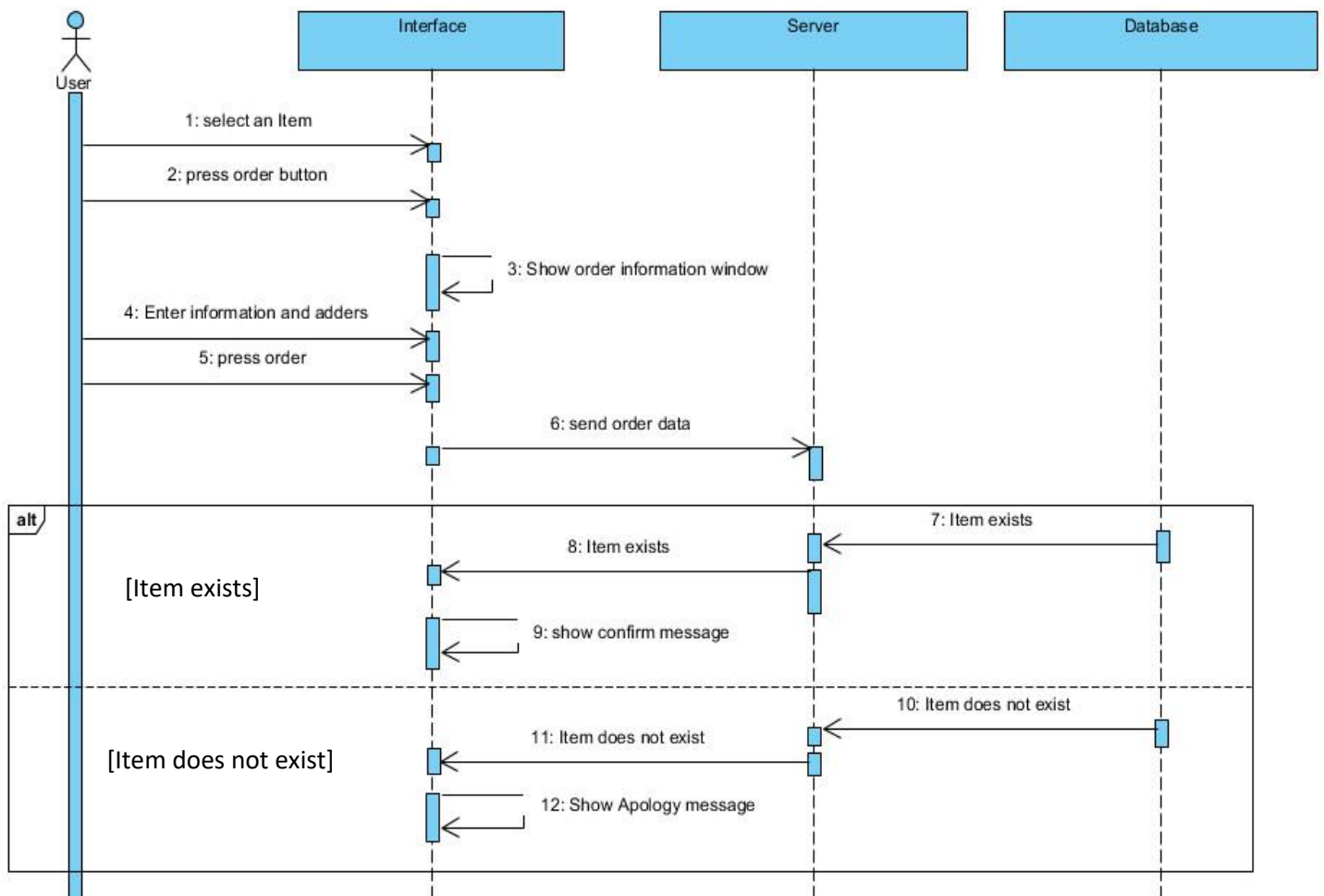
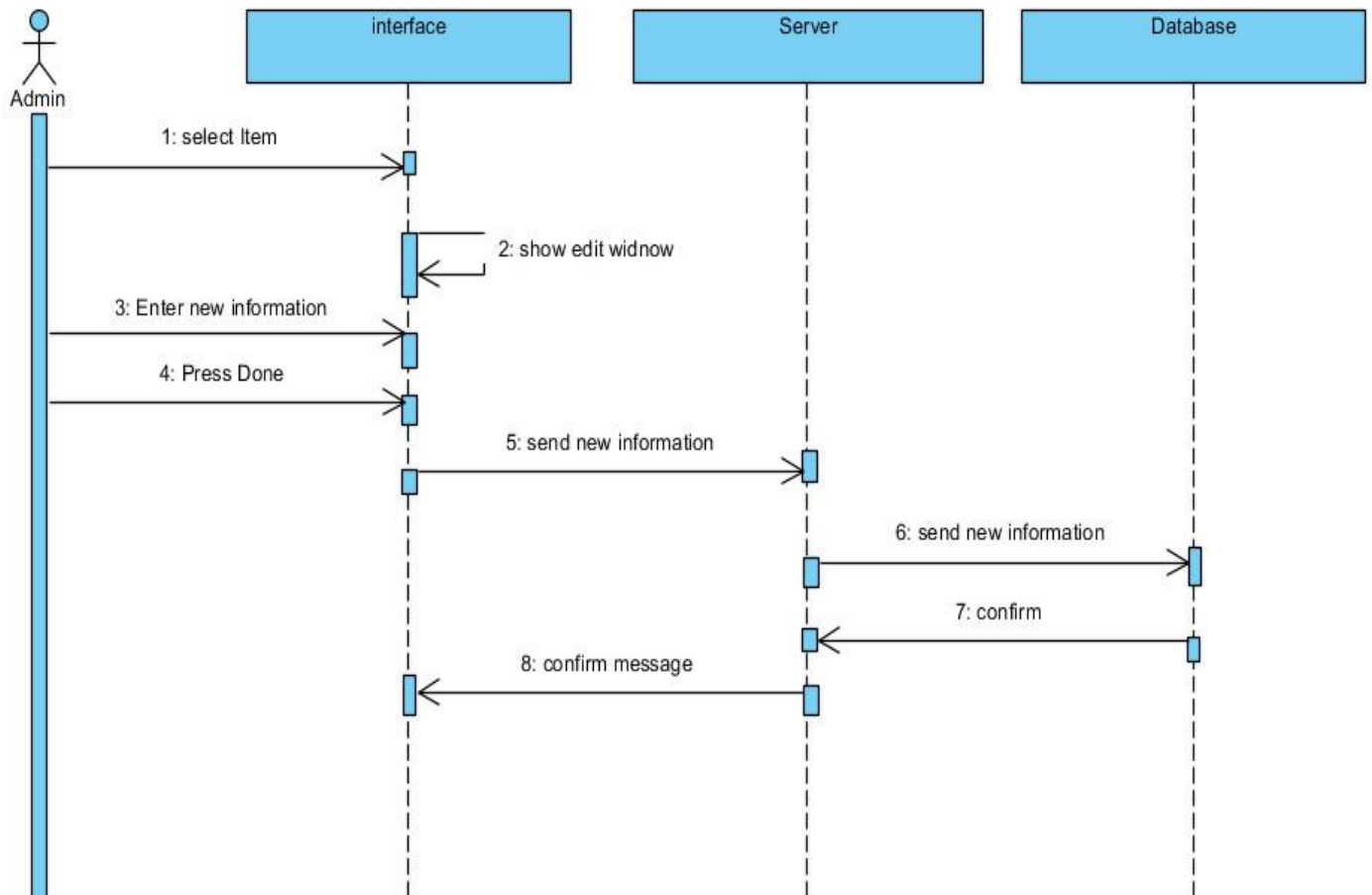## 15.3 SEQUENCE DIAGRAM FOR USE CASE Cancel Order:
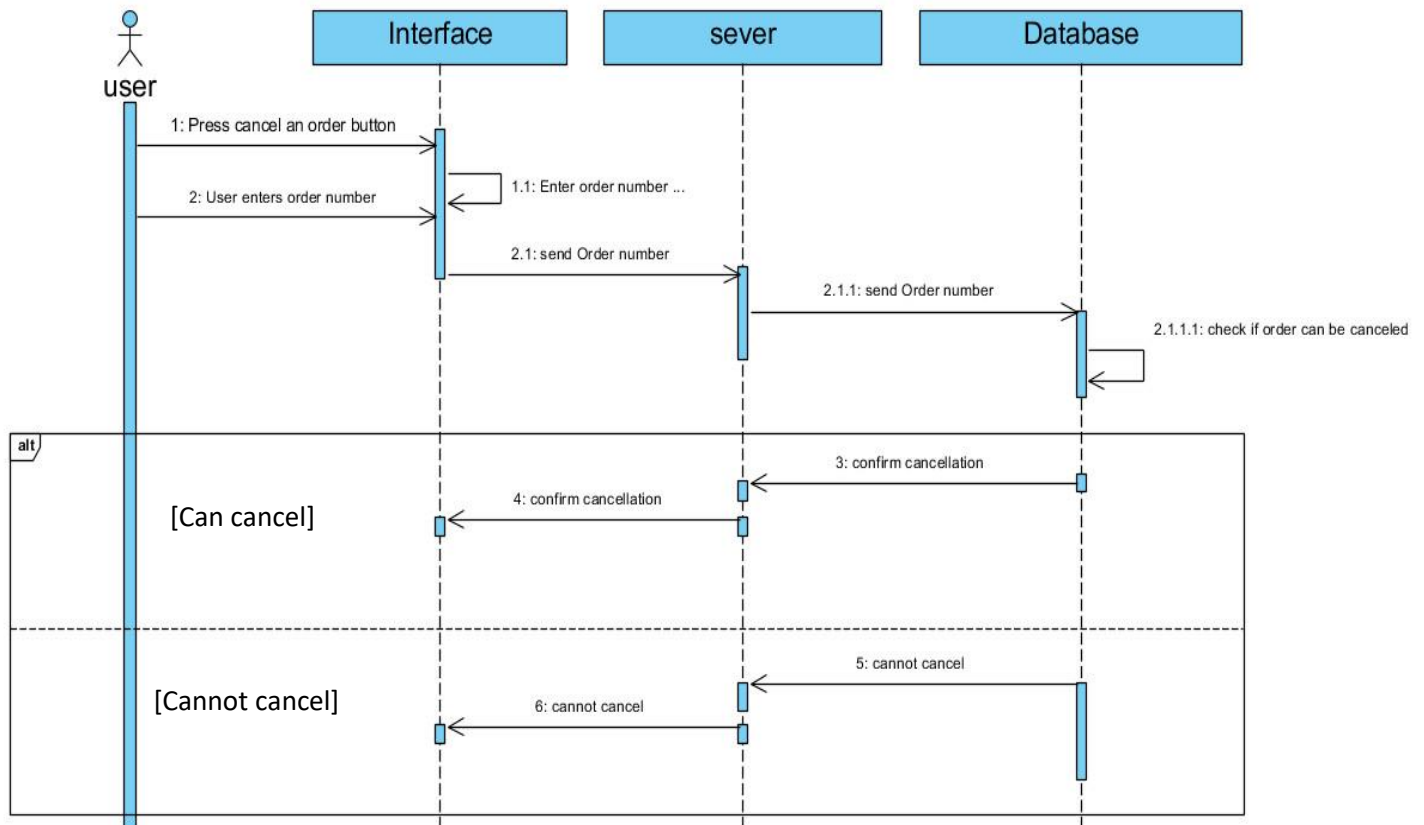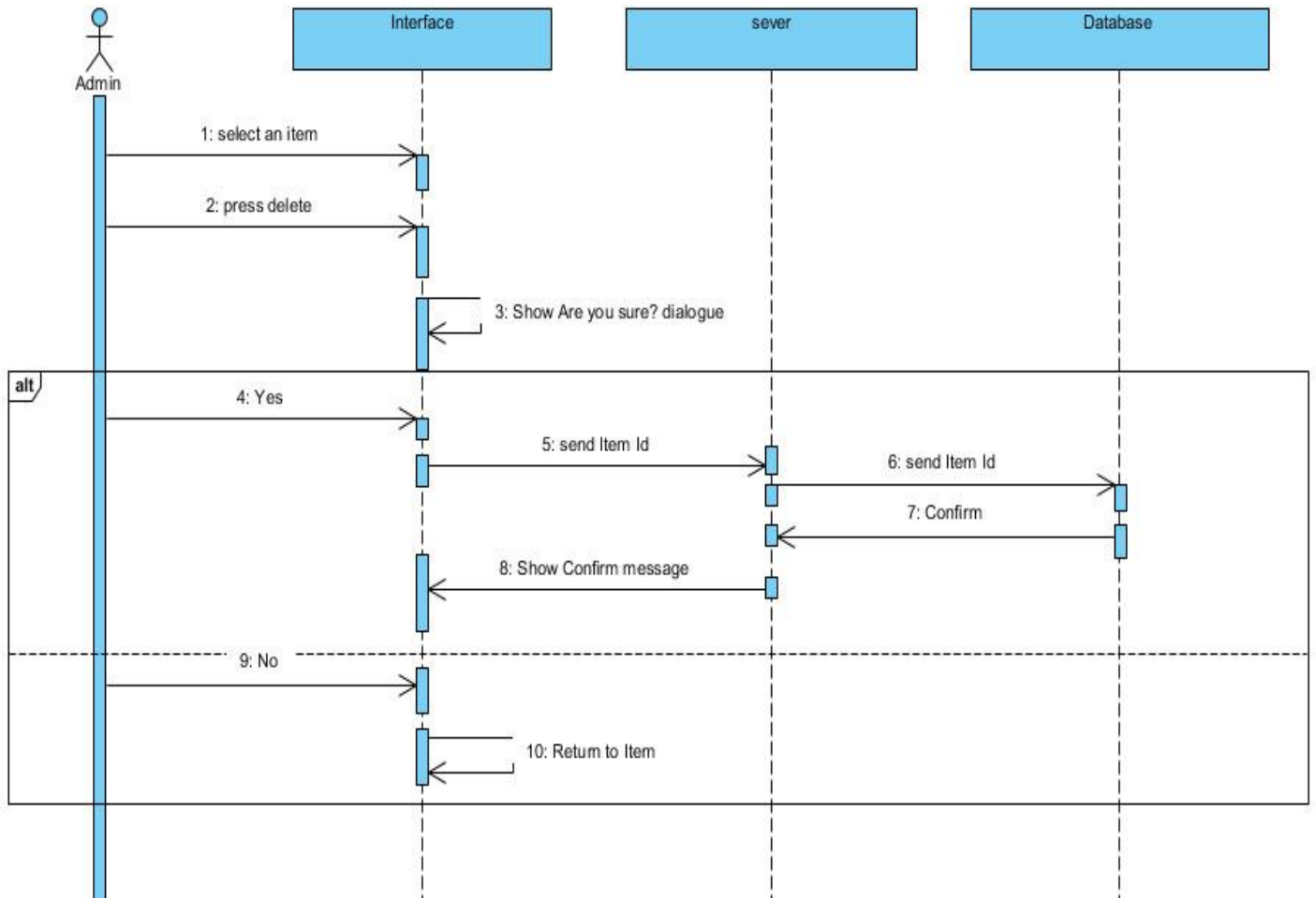
15.4 SEQUENCE DIAGRAM FOR USE CASE Login (Admin):
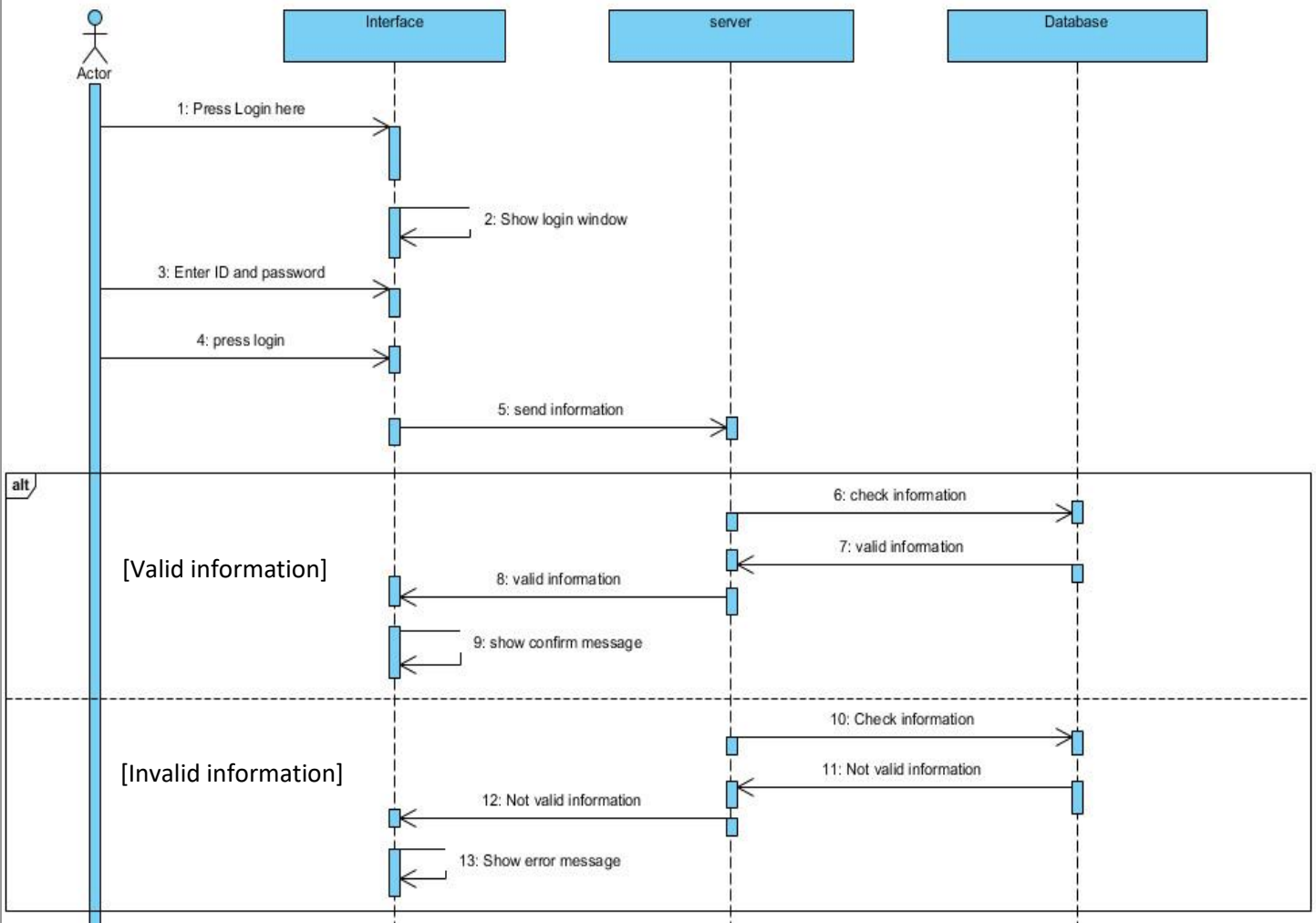
15.5 SEQUENCE DIAGRAM FOR USE CASE Add an Item (Admin):

15.6 SEQUENCE DIAGRAM FOR USE CASE Edit an Item (Admin):

Admin	interface	Server	Database

1: select Item

2: show edit widnow

3: Enter new information

4: Press Done

5: send new information

6: send new information

7: confirm

8: confirm message

15.7 SEQUENCE DIAGRAM FOR USE CASE Delete an Item (Admin):

Cosmetic Store Online

name: test_item1

This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only

Price: 200

Order

name: test_item2

This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only,This a test text for testing purposes only

Price: 400

Order

Home allows users to browse the material, request and add information, search for the name of the item and enable the login admin

Order Page

Name

Phone number

address

sent Order

The user page is added where the contact information, address and name

Order ID	Customer name	Customer Phone	Address	Item ID	Order Date	Deliverd ?	Quantity	Delivered	Delete
63	test_customer2	0096112342	test_city2/test_neighborhood2/test_house2	12	2019-04-21 04:11:14	Yes	89	○	○
64	test_customer3	0096112343	test_city3/test_neighborhood3/test_house3	13	2019-04-21 04:11:14	Yes	89	○	○
67	test_customer6	0096112346	test_city6/test_neighborhood6/test_house6	16	2019-04-21 04:11:14	Yes	89	○	○
68	test_customer7	0096112347	test_city7/test_neighborhood7/test_house7	17	2019-04-21 04:11:14	Yes	89	○	○
69	test_customer8	0096112348	test_city8/test_neighborhood8/test_house8	18	2019-04-21 04:11:14	Yes	89	○	○
70	test_customer9	0096112349	test_city9/test_neighborhood9/test_house9	19	2019-04-21 04:11:14	Yes	89	○	○
73	test_customer12	00961123412	test_city12/test_neighborhood12/test_house12	22	2019-04-21 04:11:14	On_hold	89	○	○
74	test_customer13	00961123413	test_city13/test_neighborhood13/test_house13	23	2019-04-21 04:11:14	On_hold	89	○	○

The admin page will be responsible for the requests, sending and deleting, through which you can access and edit the items and number quantity.

The page elements are performed by the administrator with a view of the elements, deleted, added and edited

Add items Page

Item Name

Item Description

Item Price

Add Photo

Add

Add a new page containing the name, price and description .

Months	1	2	3	4	5	6	7
Project Activities							
Planning	■	■					
Design		■	■				
Coding				■	■		
Testing					■	■	
Delivery							■

Gantt chart representation