

جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY



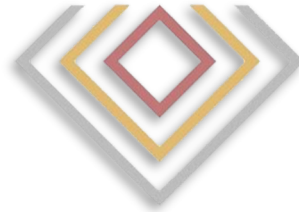
Imam Abdulrahman Bin Faisal University
College of Computer Science & Information Technology
Department of Computer Science

CS 411 – Software Engineering

Term 1 – 2019/2020

Software Requirements Specifications

For



جواهر
JAWAHER

L7F2 – Team 2

Version 1.0
Mrs. Lubna Tahlawi

November 3, 2019

Table of Content

Revision History	4
Table of Tables	5
Table of Figures	8
1. Introduction	11
1.1 Purpose	11
1.2 Scope	11
1.3 Definitions, Acronyms, and Abbreviations	11
1.4 References	12
1.5 Overview	12
2. Overall description	13
2.1 Product perspective	13
2.2 Product functions.....	13
2.3 User Characteristics.....	15
3. Specific requirements	16
3.1 External interface requirements.....	16
3.1.1 Common Interfaces	16
3.1.1.1 Home interface	16
3.1.2 User Interfaces	18
3.1.2.1 Customer Interfaces.....	18
3.1.2.2 Admin Interfaces	20
3.1.3 Software Interfaces	23
3.1.4 Hardware Interfaces	23
3.1.5 Communication Interfaces	23
3.2 Functional Requirements.....	23
3.2.1 Common Functionalities	23
3.2.1.1 Home interface	23
3.2.1.2 product interface.....	24
3.2.1.3 location interface	25
3.2.2 User Functionalities	26
3.2.2.1 Customer Functionalities.....	26
3.2.2.2 Admin Functionalities	42
3.3 Non-Functional Requirements	65
3.3.1 Performance Requirements	65
3.3.3 Design Constraints	66
3.3.3 System Software Attributes	66

This Software Requirements Specification (SRS) was prepared and provided as a deliverable for Software Engineering, CS 411, Term 1. It will be used by all JAWAHER employees and customers in JAWAHER Alnemer Jewels Company, Eastern Province, Saudi Arabia.

This document is based in part on the IEEE Recommended Practice for SRS Descriptions.

Team Members:

#	Name	Role
1	Zahra Maher Al-Nemer	Leader
2	Reem Fadhel Aljishi	Member
3	Zahra Majed Al-Zawad	Member
4	Fatimah Abbas Alramadhan	Member
5	Fatimah Yousef Alomran	Member

Revision History

This record is to keep track of the changes and updates that have been made to the SRS after the initial version on 30th of October, 2019.

Name	Date	Reason for Changes	Version
All members	October 30, 2019	Prepared initial version	0.1
All members	November 1, 2019	Updated section 1	0.2
All members	November 1, 2019	Updated section 2	0.3
All members	November 1, 2019	Updated section 3	0.4
All members	November 2, 2019	Updated section 3	0.5
All members	November 2, 2019	Spelling/ Grammar mistakes	0.6
All members	November 2, 2019	Complete review - Final version	1.0

Table of Tables

Table 1 List of Definitions	11
Table 2 List of Acronyms.....	12
Table 3 General Characteristics of End Users.....	15
Table 4 enter chat icon or join us	16
Table 5 Contact Interface Details.....	17
Table 6 fields in customer sign up interface.....	18
Table 7 fields in customer log in interface	18
Table 8 A detailed description about forgot password interface.....	19
Table 9 A detailed description about reset password interface	19
Table 10 A detailed description about edit and add new address interface	20
Table 11 Login Interface Details.....	21
Table 12Forgot Password Details.....	21
Table 13 Site Members Interface Details	23
Table 14 click product picture.....	24
Table 15 click on product picture.....	25
Table 16 click on link.....	26
Table 17 click on Map.....	26
Table 18 customer sign up use-case.....	27
Table 19 customer Login use-case	28
Table 20 customer forget password use-case	29
Table 21 Customer reset password use-case	30
Table 22 prsonal information use-case.....	32
Table 23 edit personal information use-case	33
Table 24 Continue Shopping	34
Table 25 add to cart use-case	35

Table 26 check orders use-case	36
Table 27 edit & remove addresses use-case	37
Table 28 add addresses use-case	38
Table 29 Change Quantity	39
Table 30 Add Note	39
Table 31 Entering Promo Code	40
Table 32 Remove Product from cart	40
Table 33 place order use-case	42
Table 34 Login Functional Requirements	43
Table 35 Forgot Password Functional Requirements.....	44
Table 36 Creating New Collection Requirements.....	45
Table 37 Editing an Existing Product.....	50
Table 38 Deleting an Existing Product.....	52
Table 39 Duplicating an Existing Product	53
Table 40 Change statues.....	54
Table 41 Filter By Statues	55
Table 42 Export orders	55
Table 43 Print orders	56
Table 44 Archive Orders	57
Table 45 Unarchive Orders	58
Table 46 Filter by dates	59
Table 47 Search orders	59
Table 48 Create Invoice	60
Table 49 Reply to the message.....	60
Table 50 Delete the Message.....	61
Table 51 View Member.....	62

Table 52 Block member	62
Table 53 Delete Member	63
Table 54 Search Member	63
Table 55 View Blocked Members list	64
Table 56 Adding a new admin	65

Table of Figures

Figure 1 System Architecture.....	13
Figure 2 Use-Case Diagram	14
Figure 3 click product picture	24
Figure 4"click on product picture"	24
Figure 5 click on link.....	25
Figure 6 click on Map	26
Figure 7 customer sign up active digram	27
Figure 8 Customer Login active digram.....	28
Figure 9 customer forget password active digram	29
Figure 10 customer reset password active digram	31
Figure 11 personal information active digram	32
Figure 12 edit personal information active digram	33
Figure 13 Continue Shopping	34
Figure 14 add to cart active digram.....	35
Figure 15 check order active digram.....	36
Figure 16 edit & remove addresses active digram	37
Figure 17 add new address active digram	38
Figure 18 Change Quantity	39
Figure 19 Add Note.....	39
Figure 20 Entering Promo Code.....	40
Figure 21 Remove Product from cart.....	41
Figure 22 place order active digram.....	42
Figure 23 Admin Login.....	43
Figure 24 Forgot Password – case 1.....	44
Figure 25 Forgot Password – case 2.....	44

Figure 26 Forgot Password – case 3.....	44
Figure 27 Creating New Collection.....	45
Figure 28 Editing Existing Collection.....	46
Figure 29 Editing Existing Collection.....	46
Figure 30 Existing collection deletion.....	47
Figure 31 Adding a New Product.....	48
Figure 32 Adding a New Product.....	49
Figure 33 Editing an Existing Product	51
Figure 34 Deleting an Existing Product	52
Figure 35 Duplicating an Existing Product	53
Figure 36 Change statues	54
Figure 37 Filter By Statues.....	55
Figure 38 Export orders.....	56
Figure 39 Print orders.....	57
Figure 40 Archive Orders.....	58
Figure 41 Unarchive Orders	58
Figure 42 Filter by dates.....	59
Figure 43 Search orders.....	59
Figure 44 Create Invoice	60
Figure 45 Reply to the message	61
Figure 46 Delete the Message	61
Figure 47 View Member	62
Figure 48 Block member.....	62
Figure 49 Delete Member.....	63
Figure 50 Search Member	63
Figure 51 View Blocked Members list.....	64

Figure 52Adding a new admin	65
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1. Introduction

This section introduces the topics related to JAWAHER Software Requirements Specifications (SRS) document. It specifies the SRS document's purpose, scope, definitions, acronyms and references used in this document, references and lastly an overview of the whole document.

1.1 Purpose

The purpose of this document is to provide a detailed description of the requirements required by JAWAHER. The SRS will explain JAWAHER interfaces, system constraints, and functional and non-functional requirements. It also covers the performance requirements of the website. In addition, the intended audience for the SRS are:

- **Application development team:** The development team will benefit from this document as a reference to help them for developing and implementing the software.
- **Project supervisor:** the supervisor will review the document and will assist in enhancing the project by providing suggestions.
- **Customers:** The customers will review this document to ensure that it meets their needs and specify any changes to the requirements if necessary.

1.2 Scope

This SRS document covers all the requirements that the clients need for the proposed JAWAHER website. It also defines all the functions in detail to explain how the website works. The website must provide specific facilities and services that will help the employees of the JAWAHER company. JAWAHER is divided into two subdivisions:

- **Administrator division:** It includes all the features that allow the administrator to add, delete, and update any information related to the products and customers.
- **Customer division:** It includes all the customer's personal information, their orders and cart.

1.3 Definitions, Acronyms, and Abbreviations

Table 1 specifies the definitions related to the terms mention in this document:

Terminology	Definition
Software Project Management Plan (SPMP)	Software project management refers to the branch of project management dedicated to the planning, scheduling, resource allocation, execution, tracking and delivery of software and web projects. [1]
Software Requirements Specifications (SRS)	software requirements specification (SRS) is a detailed description of a software system to be developed with its functional and non-functional requirements. [2]

Table 1 List of Definitions

Table 2 below specifies the acronyms used in this document:

Acronyms	Definition
SPMP	Software Project Management Plan
SRS	Software Requirements Specification
SDK	Software development kit
Info	information
OS	Operating System
DB	Database

Table 2 List of Acronyms

1.4 References

Registered below are references referred to in this document:

[1] Wrike.com. (2019). *What Is Software Project Management?*. [online] Available at: <https://www.wrike.com/project-management-guide/faq/what-is-software-project-management/> [Accessed 1 Nov. 2019].

[2] Admin, S. (2019). *Software Requirement Specification (SRS)*. [online] Software Testing Class. Available at: <https://www.softwaretestingclass.com/software-requirement-specification-srs/> [Accessed 1 Nov. 2019].

1.5 Overview

This requirements specification document consists of three main chapters, each chapter's objectives are explained as followed:

- **Chapter 1 (Introduction):** This section explains the topics included in the SRS. Define the purpose, scope, definition, acronyms and abbreviations, references, and an overview of the complete document.
- **Chapter 2 (Overall description):** this section provides an overall description of the system, product perspective and functions, and user characteristics.
- **Chapter 3(Specific requirements):** This section provides a detailed description and explanation of the system interfaces and users.

2. Overall description

This section of the document contains an overall description of JAWAHER. An explanation about the website perspective is provided and its basic functionalities are introduced in the first two sections. The third section describes the general characteristics of JAWAHER end users.

2.1 Product perspective

JAWAHER is a website that is built for requesting different types jewelry. The website designed to be used by different end users. The end users can be an administration and customer. Mainly, there shall be interfaces that are connected to a single database. Figure 1 shows the overall architecture of the system. The end users of the application are administrations and customers. All users will communicate with the DB in slightly different ways, depending on their different roles and authorities.

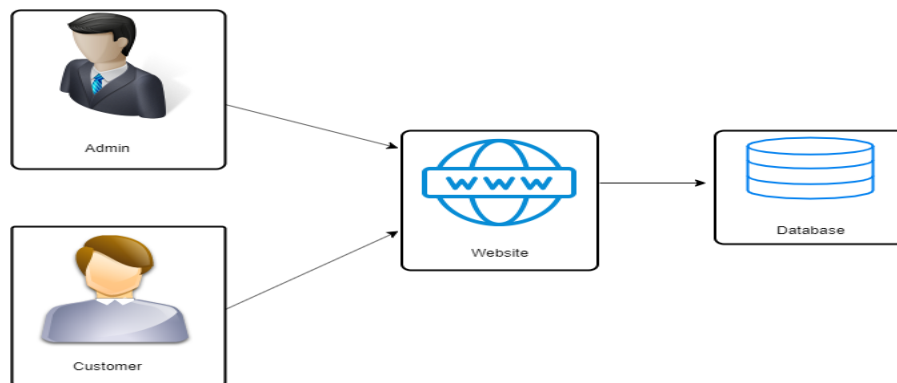


Figure 1 System Architecture

In general, the admins are responsible for about the customers and they can view and edit any of the information related to them, add and delete products and edit the products info. , the admins also can block a selected member.

2.2 Product functions

The JAWAHER website provides various functions to the end users. The main end users include the admins and customers. The JAWAHER functions:

- **Account:**
 - Any user that already registered in the system has its own account, whether a customer or admin.
 - The new user can register by E-mail, Facebook or with Google. But if the new end user is an admin, the new admin account will be given for him/her.
 - The users can log in into the system by entering their own Email and passwords. They also can log out from the system.

- If the user forgot the password, the user must enter his/her Email then the password will reset via a link sent to the email after opening the link.
- **Add of new information:**
 - Admin can add new jewelries with their information including the price and the description of it.
 - Customers can add their info during the registration.
- **Display of available information:**
 - The admin can show the other admins and customers information and orders. A decision making is done to approve or disapprove the order request.
 - The customers can see their information that they filled in registration.
 - Customers can see their bells that contain the orders' information and the total price.
 - Customer can view the available different jewelry.
- **Change the exist information:**
 - Admin can update the information of all the products.
 - Admin can change the status of the customer order in term of approving or disapproving the order.
 - Customers can update their info.
- **Deletion information:**
 - Admin can delete products.
 - Customer can delete the product from the cart, before the payment.

The use-case diagram explains all functionalities in figure 2:

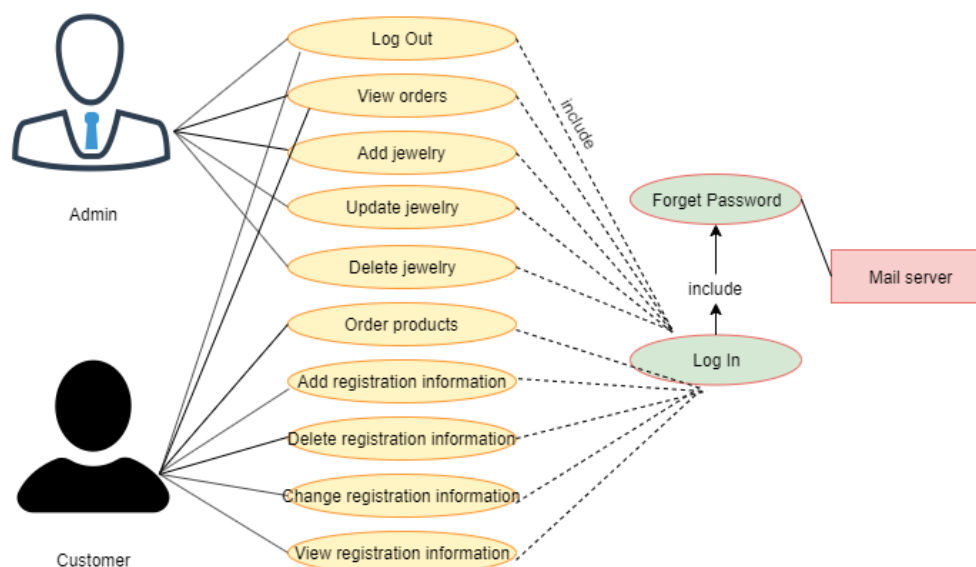


Figure 2 Use-Case Diagram

2.3 User Characteristics

The JAWAHER application has two end users. Table3 specify different characteristics of the predetermined users that they will use the website:

End users	Age	Educational level	Technical experties
Admin	25 or older	High school or above	Required knowledge and skills to manage the website
Customer	20 or older	High school or above	Basic use of websites

Table 3 General Characteristics of End Users

3. Specific requirements

3.1 External interface requirements

3.1.1 Common Interfaces

3.1.1.1 Home interface

First interfaces for all gest. Which include:

- **Chat icon:** On this site the client can communicate with employees through direct chats.
- **Login icon:** Take you to login interface.
- **Cart icon:** Take you to cart interface
- **Social media icon:** In home interface there is three social media icons Facebook, tweeter, Instagram each of them can transfer customer to Jawaher account to stay in touch on everything new in the shop.
- **Products pictures:** Random collections of products.
- **Join us:** Customer enter email to stay in touch with new things in shop. shop can send advertisement to customer email if it is correct.

The following table 4 “enter chat icon or join us” shows a detailed description if user Enter chat icon or join us:

Name	Format	I/O	Comment
Chat Icon	Text and Emojis	Input & output	
Join Us	Text	Input	<ul style="list-style-type: none">• Correct email• Email format• Contain @

Table 4 enter chat icon or join us

3.1.1.1.1 Jewelry interface

List of products by categories.

- **Rings interface**
- **Bracelets interface**
- **Necklaces interface**
- **Earrings interface**
- **Anklets interface**
- **Gift Sets interface**

For each interface when customer point to any picture will show a quick look, and when costumer click on it will show information about the product also the price of the product. There is an icon take you to cart interface.

Each product has interface and this interface include:

- Product ID.
- Product detail. More information about product
- Product price.
- Product quantity: Dropdown list start from 1 and user can choose.
- Add to Cart icon.

3.1.1.1.2 Location interface

In this interface customers can view all locations of the store using two ways:

- view all locations of the store using Links.
- view all locations of the store using only one map. And costumer able to maxima's and minima's the map.

3.1.1.1.3 About interface

This interface includes the JAWAHER's STORY.

3.1.1.1.4 Contact interface

you can submit any questions, concerns, or general feedback using message with your name and email address. Table 5 "contact" show in detail what the required from user.

Field Name	Format	Level	I/O	Comment
Name	Text	Required	Input	
Email	Text	Required	Input	<ul style="list-style-type: none">• Correct email• Email format• Contain @
Message	Text	Required	Input	

Table 5 Contact Interface Details

3.1.2 User Interfaces

3.1.2.1 Customer Interfaces

The following subsections include the service provided to customer in the website in interfaces form.

3.1.2.1.1 Customer signup interface

Customer can go to sign up page by clicking on log in link, a new customer can sign up to the system by defining Email and password (Table 1 describes the fields in the customer sign up interface needed to be filled in order to sign up with Email), also customer can sign up with Google or Facebook.

Field Name	Format	Level	I/O	Comment
Email	Text	Required	Input	It is must be unique and correct
Password	Encrypted text	Required	Input	The password length must be between 4 to 100 character

Table 6 fields in customer sign up interface

3.1.2.1.2 Customer login interface

- **Log in:** customer can go to log in page by clicking on log in link, he/she can access the website via entering a valid Email and password (Table 5 describes the fields in the customer log in interface needed to be filled in order to login with Email), also customer can log in with google or Facebook via entering Google/Facebook Email account and its password.

Field Name	Format	Level	I/O	Comment
Email	Text	Required	Input	It is must be unique and exist in WIX DB.
Password	Encrypted text	Required	Input	The password must match the email and required for all the admins.

Table 7 fields in customer log in interface

- **Forgot Password:** registered customer must be able to retrieve their password if they have forgotten it, table 6 shows a detailed description about forgot password interface

Field Name	Format	Level	I/O	Comment
Email	Text	Required	Input	It is must be unique and in WIX DB, Email message will be sent to customer with a link to reset a password

Table 8 A detailed description about forgot password interface

- **Reset Password:** registered customer must be able to rest password if they have forgotten it, table 7 shows a detailed description about reset password interface

Field Name	Format	Level	I/O	Comment
Enter a new password	Encrypted text	Required	Input	The password length must be between 4 to 100 character
Re-type password	Encrypted text	Required	Input	The password must match the first password customer entered

Table 9 A detailed description about reset password interface

3.1.2.1.3 Customer Orders Interface

This interface will help the customer to check the status of orders or browse previous purchases. It includes a table with order number, order date, price and status, if the customer hasn't placed any orders, shop now button will help him to shop.

3.1.2.1.4 Customer Address Interface

This interface will help the customer to:

- Shows saved addresses
- Edit, remove and add new addresses, table 8 shows a detailed description about edit and add new address interface

Field Name	Format	Level	I/O	Comment
First name	text	Require	Input	The real name of customer
Last name	text	Required	Input	The real last name of customer
Phone	number	Not Required	Input	Phone number of

				customer
Address	text	Not Required	Input	-
Address-line2	text	Not Required	Input	apartment, suite, floor
Company name	text	Not Required	Input	-
City	text	Not Required	Input	-
Country	checklist	Not Required	Input	-
Postal code	number	Not Required	Input	Zip code

Table 10 A detailed description about edit and add new address interface

3.1.2.1.5 Thank You Interface

This interface appears to the customer when he submits the order, it will display a thank you message to the customer and tell him that there will be a confirmation email will be sent for his email. In addition to that, it will show him an invoice summary that contains the order number, the total cost of the order, and the shipping address. There will be a link to the common home page interface to continue shopping. As the whole customer interfaces, there will be a searching filed to search for anything he wants, and an email subscription form. Also, the list of the common interface links will appear like the whole customer interfaces in the header.

3.1.2.1.6 Customer Product Interface

This interface appears when the customer clicks on the product photo or name, it will let the customer see the jewelry product in detail with its photo, the product number (SKU), the price, and its return and refund policy. Also, it enables him to select the quantity in case he wants to buy it and, the quantity, and add it to the shopping cart. Moreover, the will be linked to the next and previous jewelry product page. As the whole customer interfaces, there will be a searching filed to search for anything he wants, and an email subscription form. Also, the list of the common interface links will appear like the whole customer interfaces in the header.

3.1.2.1.7 Cart Interface

This interface will show the shopping cart for the customer, in case if the cart is empty, there will be an empty message that appears. The second case is showing a list of the products added to the cart and its prices, quantities want to buy, the total cost of each product, subtotal, shipping cost, and the delivery country (where to deliver), and the total cost of the whole list (the summation of the total cost of each price and the shipping cost). Moreover, there will be a text field to enable the customer to add some notes and a field to a promo code. Finally, he can select the checkout approach (normal or using PayPal).

3.1.2.2 Admin Interfaces

This subscription includes the services provided to the admin in the software in the interfaces form.

3.1.2.2.1 Admin Login Interface

Each user must have a login interface. In the case of admin, it is not a real interface of the JAWAHER website, it is an interface of WIX online SDK connected to the JAWAHER website to enable the admin to login to the admin homepage and manage the website.

- **Login:** registered admins must be able to access to the web site admin interfaces. The following table describes the fields in the Login interface needed to be filled in order to login:

Field Name	Format	Level	I/O	Comment
Email	Text	Required	Input	It is must be unique
Password	Encrypted text	Required	Input	The password must match the email and required for all the admins.

Table 11 Login Interface Details

- **Forgot Password:** registered admins must be able to retrieve their password, user name, or both if they have forgotten it, the following table shows a detailed description about forgot password interface:

Field Name	Case Needed	Format	Level	I/O	Comment
Email	<ul style="list-style-type: none"> – Forgot Password – Forgot email and password 	Text	Required	Input	It is must be unique.
Website Address	✓ Forgot login email	Text	Required	Input	It is must be unique address.
Full Name	✓ Forgot Password and login Email	Text	Required	Input	It must be the full name of the admin

Table 12Forgot Password Details

3.1.2.2.2 Admin Homepage interface

This interface will appear when the admin login. He/she will have several tasks to make:

- Store Products.

- Store Orders
- Customer Management
- Site Members
- Settings

3.1.2.2.3 Store Products interface

3.1.2.2.3.1 Collection Interface

From Store Products Interface the admin chooses “Collection”, he will be able to add collections for jewelry products with its name and specify in which type of jewelry page it will be added of the group of subpages (Rings, Bracelets, Necklaces, Earrings, Anklets, and Gift Sets). In addition, he will be able to search for a specific product.

3.1.2.2.3.2 Admin Products Interface

In the same manner of the previous interface, it is from Store Product interface the admin choose “Production”, and he will be able to add some products with its and specify in which collection is it with its information like (name, price, image, etc.), and it will be added to the page in which the collection assigned to in this interface. Likewise, he can modify the product properties. Also, he will be able to delete, and duplicate products. Moreover, he can choose whether to see all products or specify a specific collection. Similarity, he can filter them weather to showing them all, only the products on stock, partially out of the stock, or out of stock. Also, he will be able to search for the product.

3.1.2.2.4 Store Orders

In this interface, there will be an order table that will be appeared, with the order number, order date and time, name of the customer who buys, payment states (paid, or unpaid), fulfillment statues (fulfilled, or unfulfilled), and the total cost. Also, he can display all orders or filter them by their status (paid, unpaid, unfulfilled, fulfilled, or partly fulfilled) to be shown. Likewise, he can list specific orders in between two dates, also he can search for an order using the customer name. Moreover, he can make invoices for paid orders and view, print, and send them to any email address, and he can export the list of orders as a CVS file and save them into his computer. Finally, he can click on the order name and it will show him the information of this specific order in details, also he will be capable to add notes to this order.

3.1.2.2.5 Customer Management

3.1.2.2.5.1 Inbox Interface

From the Customer Management interface, the admin can choose “Inbox” and it will allow him to respond to all live chat when the customer sends a chat using the online chat functionality.

3.1.2.2.5.2 Site Members Interface

From the Customer Management interface, the admin chooses “Site Members” and the interface will appear with a text field to allow him to search about a member. In addition to that, the interface will contain a table showing all site members with their information (name,

login email, role, and last activity). And he will be able to do three operations: View Member, Block Member, Delete Member. And some operations have a sub-operations inside, the following table shows the details of that:

Main Operation	Sub-operations
1) View Member	1- View the member with its info 2- Manage the member 3- See the inbox which leads to the live chat with this member.
2) Block Member	No sub operations.
3) Delete Member	No sub operations.

Table 13 Site Members Interface Details

3.1.2.2.6 Settings Interface

3.1.2.2.6.1 Roles & Permission Interface

From Settings Interface, the admin selects “Roles and Permissions” and the interface will appear, it shows a table with a list of admins and he can add more admins by inviting them to be an admin using an email. Note that only the admin who invites the other admin (The first admin) can add the admin, other admins would not be able to add admins, they will be able only to see the list of the admins.

3.1.3 Software Interfaces

The JAWAHER jewelry website can work in any operating system (Mac OSX, Windows 10, Android and iOS). The website is connected to the WIX server so no specialized database designed from scratch for it, the database is provided from the WIX SDK and it must work without any problems.

3.1.4 Hardware Interfaces

Jawaher website does not have a direct hardware interface, because it does not have a designated hardware, but it can run in any hardware that has a web browser

3.1.5 Communication Interfaces

3.2 Functional Requirements

Functional requirements are classified based on the types of users and their authorities: admin, the customer. In addition, there are common functionalities among both types of users. All these functionalities are specified by the client (Jawaher Alnemer Jewelry Company) and detailed by the system developers and group members.

3.2.1 Common Functionalities

3.2.1.1 Home interface

- **Product picture:** When costumer in home page and want to add product to cart by click on picture. The following figure3 “click product picture” and Table 12” click product picture” shows that stations:

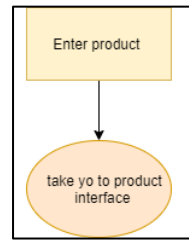


Figure 3 click product picture

Actors	Customer.
Description	✓ The customer want to add product in cart from home page
Data	✓ Need to select quantity
Stimulus	✓ Click on product picture from home page
Response	✓ Take customer to product interface ✓ Show you cart ✓ Show you the price
Abnormal Condition	No Abnormal Condition

Table 14 click product picture

3.2.1.2 product interface

- **Shop product:** When customer in one of jewelry interfaces and want to add product to the cart. The following figure 4 “click on product picture” and table 13 “click on product picture” shows that situation:

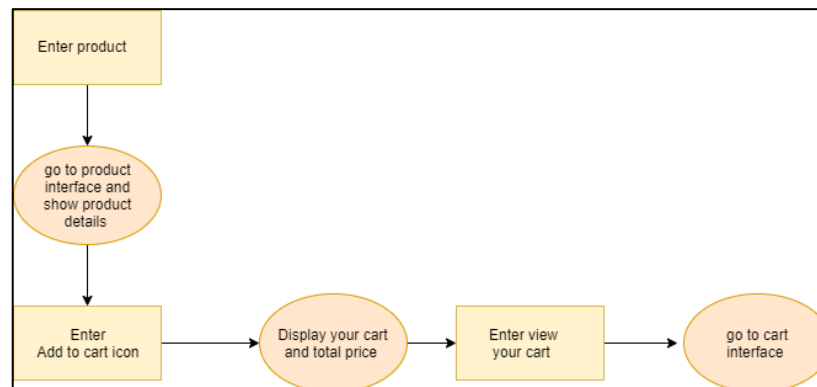


Figure 4"click on product picture"

Actors	Customer.
Description	✓ The customer want to add product in cart from Jawaher interface
Data	✓ Need to select quantity
Stimulus	✓ Click on product picture
Response	✓ Take costumer to product interface ✓ Show you cart ✓ Show you the price
Abnormal Condition	No Abnormal Condition

Table 15 click on product picture

3.2.1.3 location interface

- **Link:** If user in location interface and click one of the links. The following figure 5 “click on link” and table 14 “click on link” shows that stations:

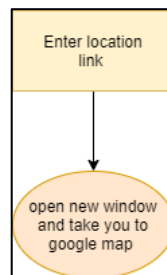


Figure 5 click on link

Actors	Customer.
Description	✓ The customer in location interface and want to get location of the store
Data	✓ No Data needed or provided
Stimulus	✓ Click on one link
Response	✓ Open Google map window and customer can get the location
Abnormal	No Abnormal Condition

Condition	
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Table 16 click on link

- **Map:** If user in location interface and click one of the links. The following figure 6 “click on Map” and table 15 “click on Map” shows that situation:

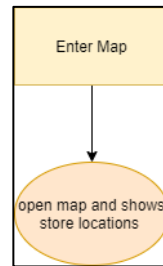


Figure 6 click on Map

Actors	Customer.
Description	✓ The customer in location interface and want to see where are the location of the store in one map.
Data	✓ Map contains locations of the store.
Stimulus	✓ Click on map
Response	✓ Open map and shows the stores
Abnormal Condition	No Abnormal Condition

Table 17 click on Map

3.2.2 User Functionalities

3.2.2.1 Customer Functionalities

3.2.2.1.1 Customer sign up Interface Requirement

A new customer can sign up to the system by defining Email and password, also customer can sign up with Google or Facebook, Table 12 shows “customer sign up” use-case, Figure 3 below shows customer sign up active digram

Actors	customer
Description	customer can sign up to the system

Data	<ul style="list-style-type: none"> ✓ Email ✓ Password
Stimulus	Customer select sign up link
Response	The customer will be registered
Abnormal condition	<ul style="list-style-type: none"> ✓ if the email is incorrect an error message will appear "double check your email and try again" ✓ if the email exists in the WIX DB. a message error will appear "an account with this email already exists" ✓ if password less than 4 character an error message will appear "password length must be between 4 to 100 character "

Table 18 customer sign up use-case

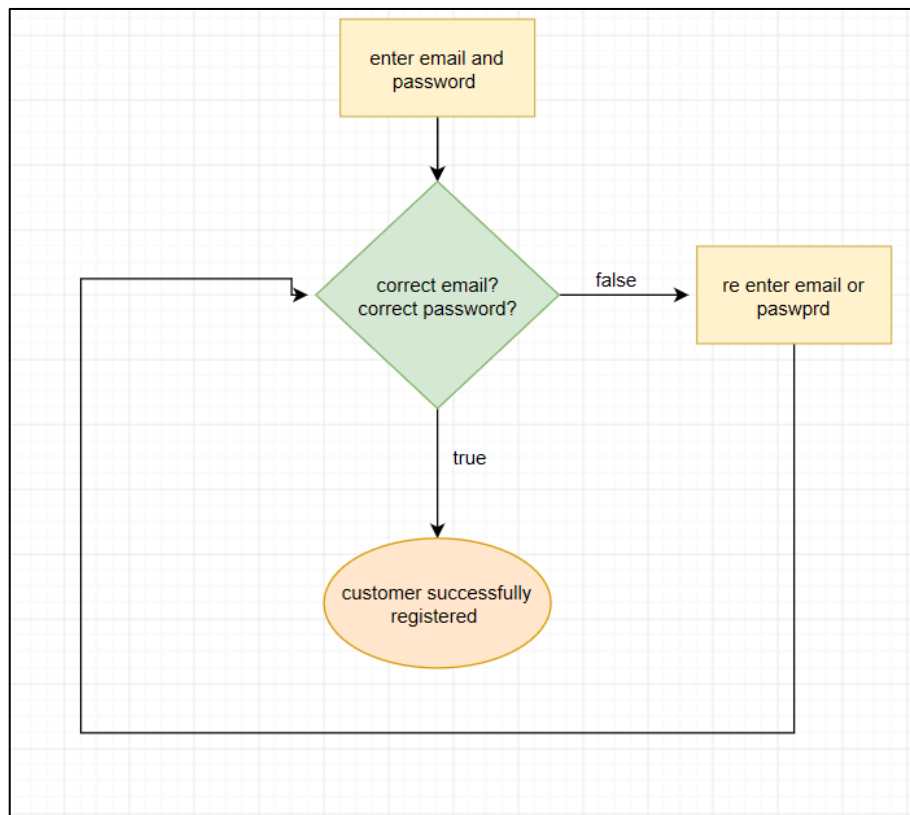


Figure 7 customer sign up active digram

3.2.2.1.2 Customer Login Interface Requirement

▪ Login

Table 13 describe customer Login use-case and Figure 4 below shows customer Login active digram.

Actors	Customer
Description	<ul style="list-style-type: none"> ✓ The customer must be able to login and access the customer home page by providing email and password.

	<ul style="list-style-type: none"> ✓ The email and password must be verified and validated by the WIX DB. ✓ The customer must be redirected to his own homepage after the verification successfully is done.
Data	<ul style="list-style-type: none"> ✓ Email. ✓ Password.
Stimulus	Customer select log in link.
Response	The customer will access to the home page then he/she can access to the other interface such as my account, my orders and my address, also he/she can shop and place an order
Abnormal Condition	<ul style="list-style-type: none"> ✓ if the email is incorrect an error message will appear "double check your email and try again" ✓ if email or password incorrect an error message will appear "wrong email or password"

Table 19 customer Login use-case

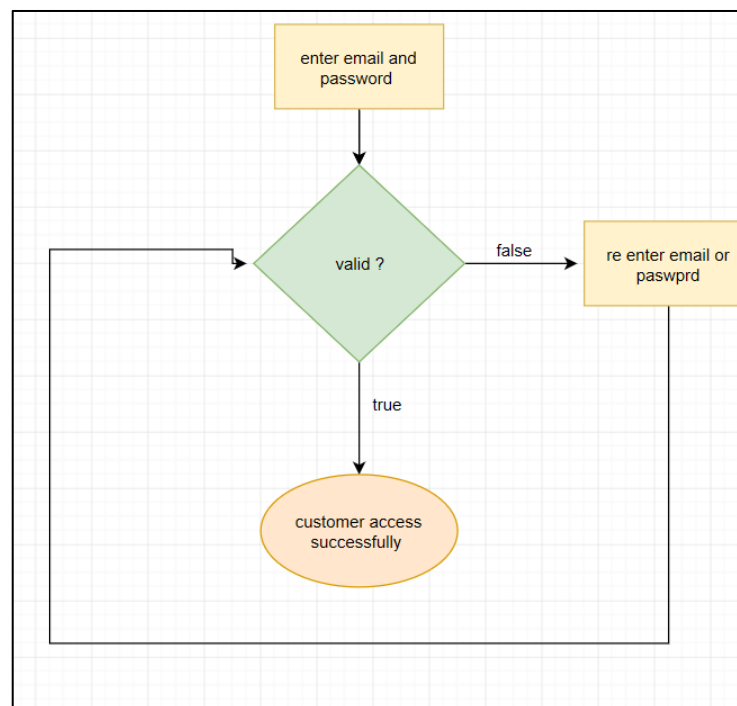


Figure 8 Customer Login active digram

▪ Forget Password

Table 14 describe customer forget password use-case and Figure 5 below shows the active digram

Actors	Customer
Description	✓ registered customer retrieves their password if they have forgotten it
Data	✓ email
Stimulus	Customer select forget password link.
Response	Email message will be sent to customer with a link to reset a password
Abnormal Condition	✓ if the email is not in WIX DB an error message will appear "double check your email and try again"

Table 20 customer forget password use-case

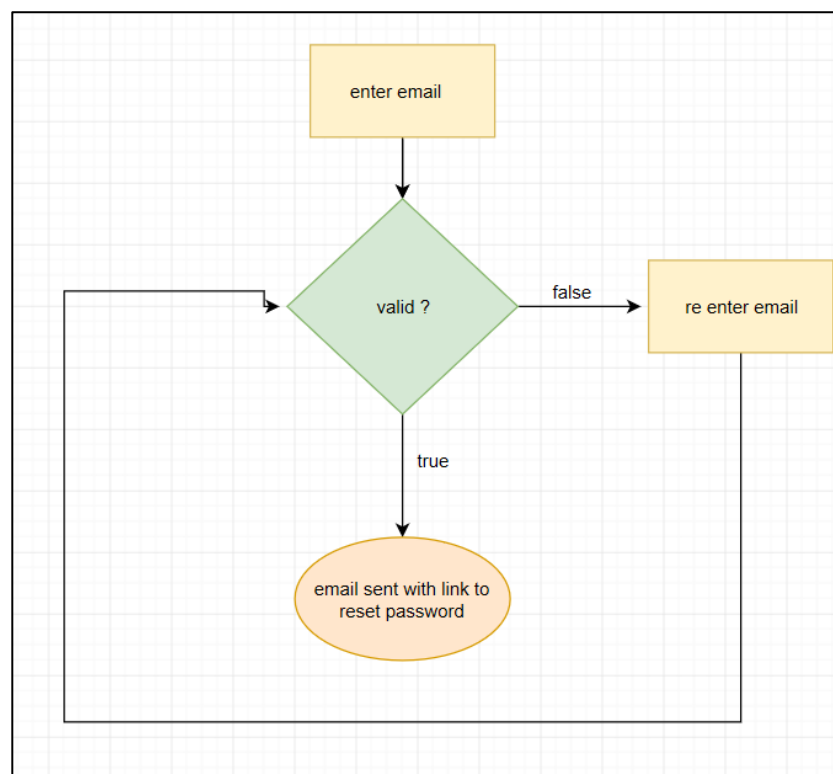


Figure 9 customer forget password active digram

- **Reset Password**

Table 15 describe customer reset password use-case and Figure6 below shows the active digram

Actors	Customer
Description	✓ registered customer can rest password if they have forgotten it
Data	✓ new password and re type it again
Stimulus	Customer select reset password button.
Response	Password will be changed, and customer can log in with the new password
Abnormal Condition	✓ if password less than 4 character an error message will appear "password length must be between 4 to 100 character" ✓ if the password entered by customer in the second field does not match with the password in the first field an error message will appear "Password does not march try again"

Table 21 Customer reset password use-case

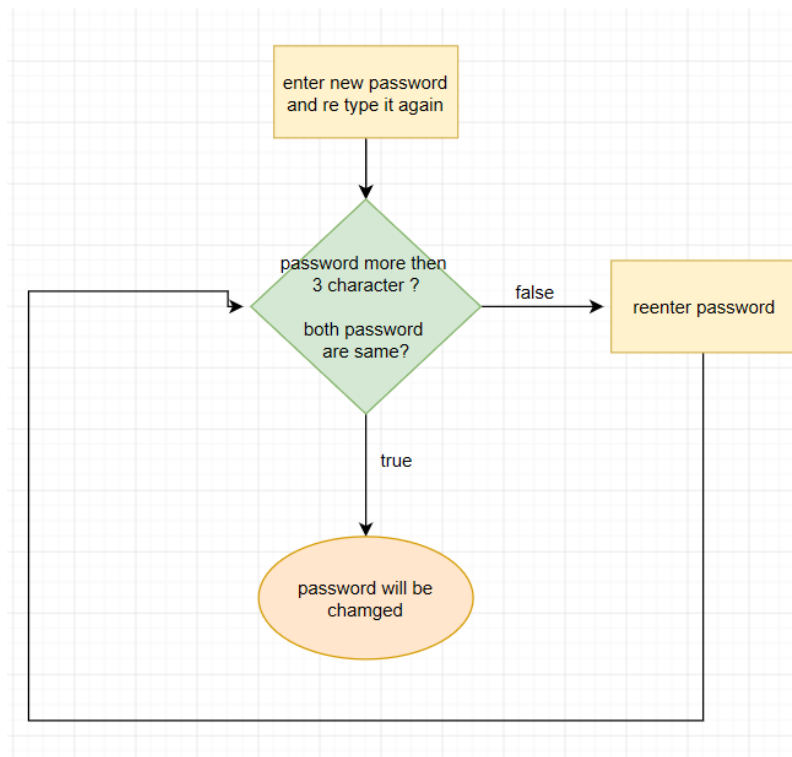


Figure 10 customer reset password active digram

3.2.2.1.3 My account interface

- View personal information

A customer can view its personal information through my account interface. Table 16 below shows personal information use-case, Figure 7 below shows the active digram

Actors	customer
Description	customer can view its personal information
Data	<ul style="list-style-type: none"> ✓ First name ✓ Last name ✓ Email ✓ Phone ✓ Address (street, city, zip code, country)
Stimulus	Customer select my account link
Response	Personal information will be viewed
Abnormal condition	<ul style="list-style-type: none"> ✓ If the customer opens my account interface for the first time after registering with e-mail, he needs to

	fill out the information form except e-mail, but if he opened the interface for the first time after registration using Google or Facebook, some information may be filled.
--	---

Table 22 prsonal information use-case

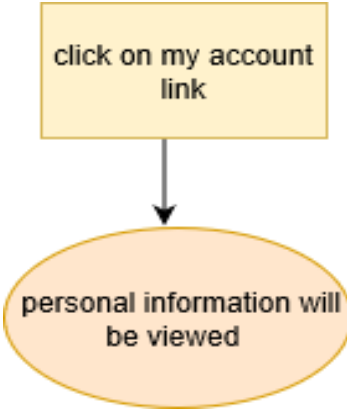


Figure 11 personal information active digram

- Edit personal information

A customer can edit its personal information through my account interface. Table 17 below shows edit personal information use-case, Figure 8 below shows the active digram

Actors	customer
Description	customer can edit its personal information
Data	<ul style="list-style-type: none"> ✓ First name ✓ Last name ✓ Email ✓ Phone ✓ Address (street, city, zip code, country)
Stimulus	Customer select update button
Response	Personal information will be updated
Abnormal condition	✓ customer log in email cannot change

Table 23 edit personal information use-case

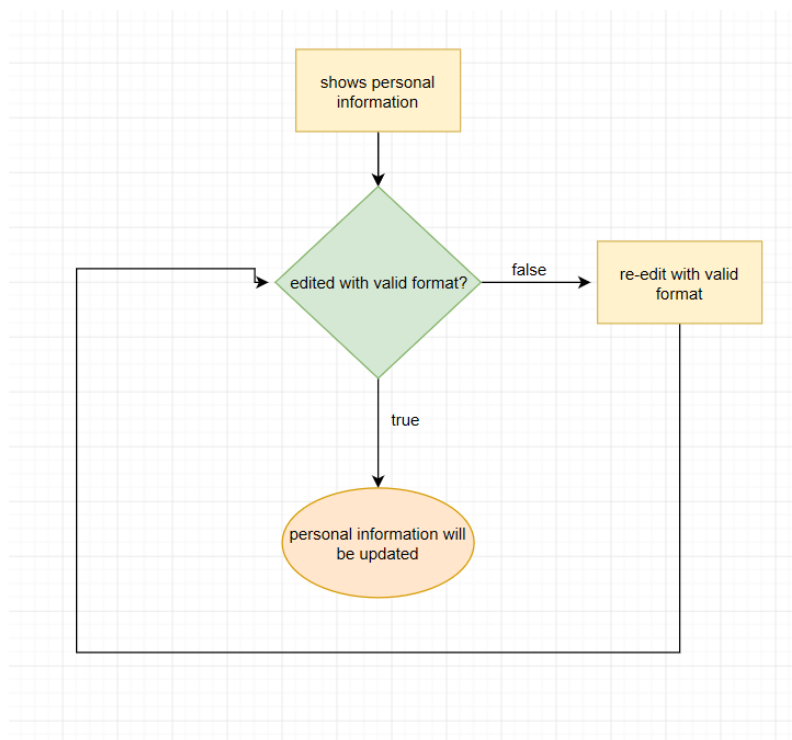


Figure 12 edit personal information active digram

3.2.2.1.4 Thank you Interface Requirements

- Continue Shopping:

The following table shows a detailed description of “Continue Shopping” use-cases:

Actors	Admin.
Description	✓ The customer can go to homepage and continue shopping
Data	No data provided
Stimulus	✓ Admin clicks on the Continue Shopping link
Response	✓ The customer will go to the home page.
Abnormal Condition	✓ No abnormal condition.

Table 24 Continue Shopping

- The following figure shows active diagrams of “Continue Shopping” stations:

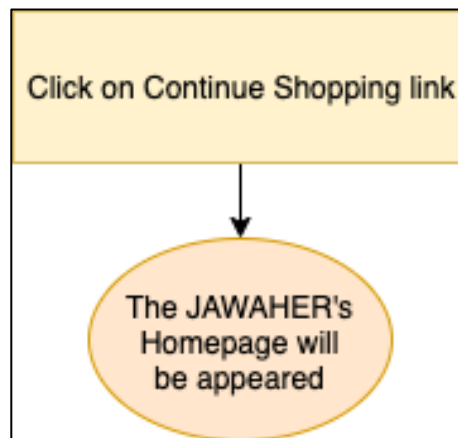


Figure 13 Continue Shopping

3.2.2.1.5 Product Interface Requirements

- Add product to Cart:

A customer can add product to his cart through home page. Shop collection button on home page allows the customer to view and select the product that he wants, after choosing the product he can select the size, color and quantity then he should click add to cart button to add the product to his cart, Table 19 below shows add to cart use-case. Figure 10 below shows the active digram

Actors	customer
Description	customer can add to cart
Data	<ul style="list-style-type: none"> ✓ Product size ✓ Product color ✓ Product quantity
Stimulus	Customer select add to cart button
Response	Product will be added to the cart
Abnormal condition	<ul style="list-style-type: none"> ✓ If customer did not select size, then add to the cart button will not be able to select

Table 25 add to cart use-case

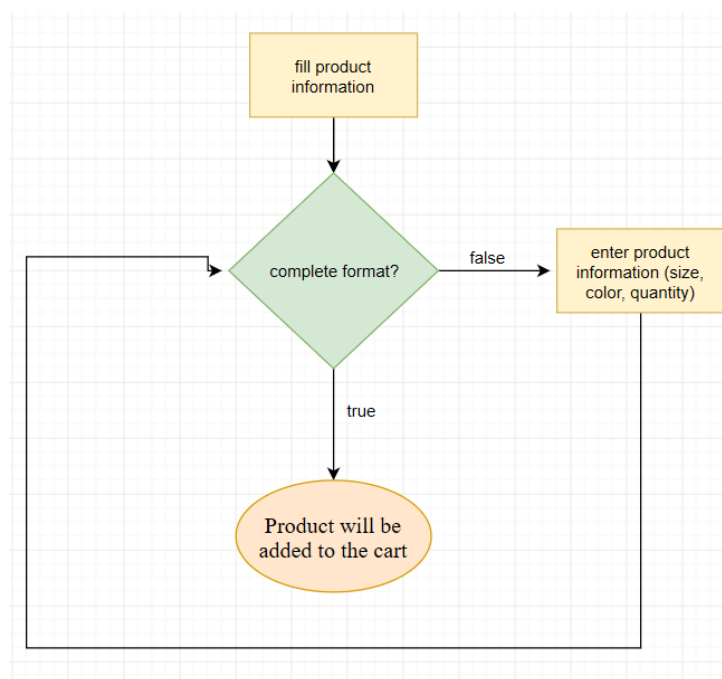


Figure 14 add to cart active digram

- check the status of orders & browse previous purchases

A customer can check the status of orders and browse previous purchases through my orders interface. Table 20 below shows check orders use-case, Figure 11 below shows the active digram.

Actors	customer
Description	customer can check the status of orders
Data	Order date Order name

	Order status Total price
Stimulus	Customer select my orders button
Response	Information about orders will be viewed

Table 26 check orders use-case

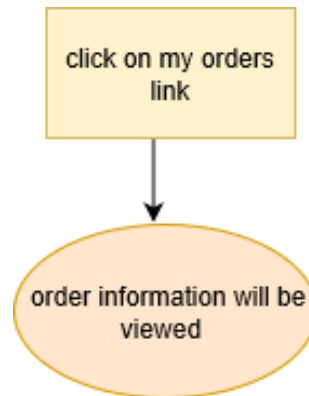


Figure 15 check order active digram

3.2.2.1.6 My address interface

▪ Edit & Remove addresses

A customer can edit and remove its addresses through my addresses interface. Table 21 below shows edit & remove addresses use-case, Figure 12 below shows the active digram.

Actors	customer
Description	customer can edit and remove its addresses
Data	<ul style="list-style-type: none"> ✓ First name ✓ Last name ✓ Company name ✓ Address ✓ Address 2 (apartment, suite, floor) ✓ City ✓ Country ✓ Zip code ✓ phone
Stimulus	<ul style="list-style-type: none"> ✓ Customer select edit link ✓ Customer select remove link
Response	<ul style="list-style-type: none"> ✓ Address will be edited, and customer can set the address as default address ✓ Address will be removed
Abnormal condition	<ul style="list-style-type: none"> ✓ If the customer has not completed the required information in edit

address form, he/she will not be able to edit the address

Table 27 edit & remove addresses use-case

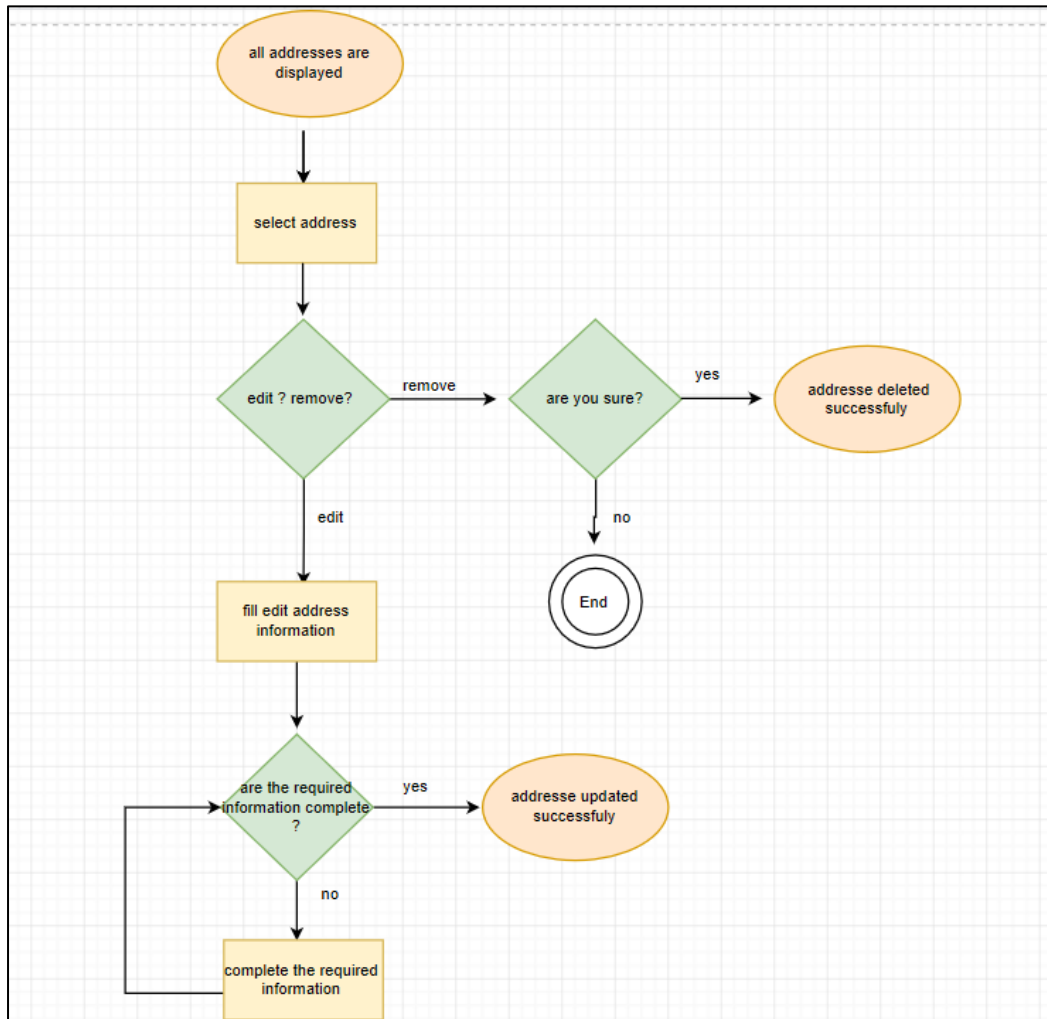


Figure 16 edit & remove addresses active digram

▪ Add new address

A customer can add new addresses through my addresses interface. Table 22 below shows the add addresses use-case, Figure 13 below shows the active digram.

Actors	customer
Description	customer can add new addresses
Data	<ul style="list-style-type: none"> ✓ First name \ require ✓ Last name \ require ✓ Company name ✓ Address ✓ Address 2 (apartment, suite, floor) ✓ City

	<ul style="list-style-type: none"> ✓ Country ✓ Zip code ✓ phone
Stimulus	Customer select add new addresses button
Response	Address will be added, and customer can set the address as default address
Abnormal condition	<ul style="list-style-type: none"> ✓ If the customer has not completed the required information in add new address form, he/she will not be able to add the address

Table 28 add addresses use-case

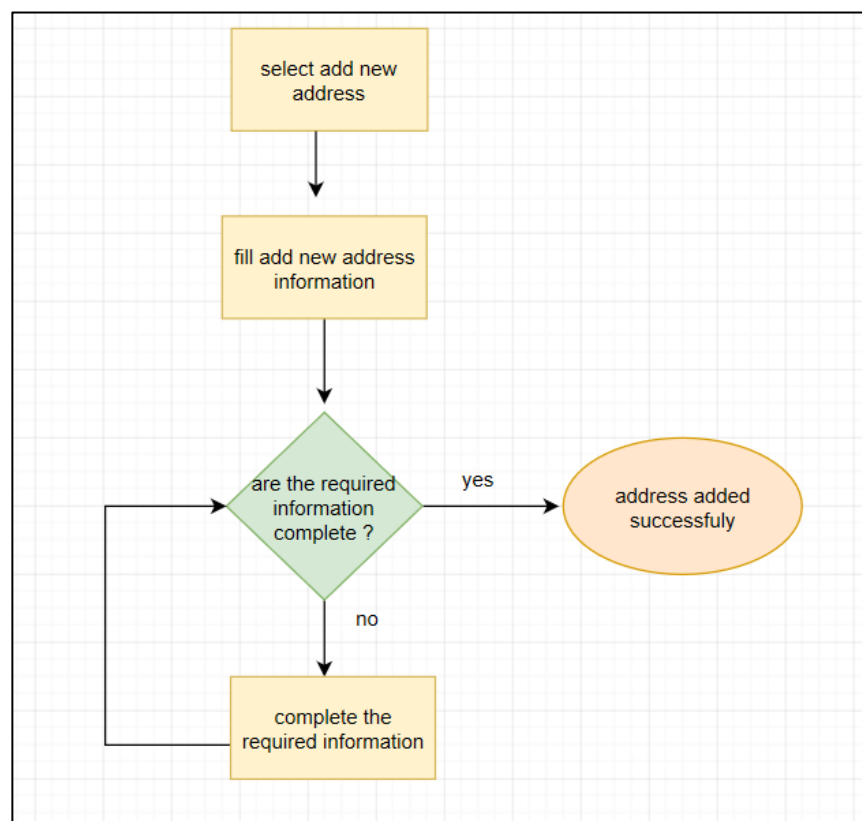


Figure 17 add new address active digram

3.2.2.1.7 Cart Requirement

- Change Quantity:

The following table shows a detailed description of “Change Quantity” use-cases:

Actors	Admin.
Description	✓ The customer can change the quantity of the jewelry product in the cart
Data	✓ Quantity
Stimulus	✓ Admin click on quantity text field

Response	✓ The quantity will be changed to the new quantity by the customer
Abnormal Condition	✓ If the customer want to let the quantity text filed empty or 0 it will change automatically to 0

Table 29 Change Quantity

The following figure shows active diagrams of “Change Quantity” stations:

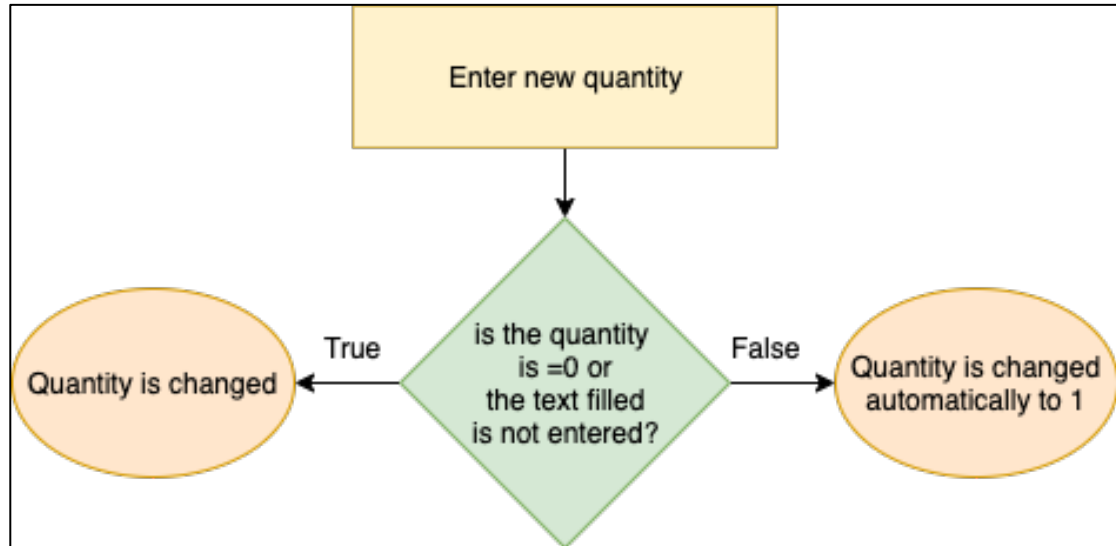


Figure 18 Change Quantity

▪ Add Note:

The following table shows a detailed description of “Add Note” use-cases:

Actors	Admin.
Description	✓ The customer can add its own note to the order
Data	Note
Stimulus	✓ Admin clicks on add note text field
Response	✓ The note will be added to the order
Abnormal Condition	✓ No abnormal condition.

Table 30 Add Note

The following figure shows active diagrams of “Add Note” stations:

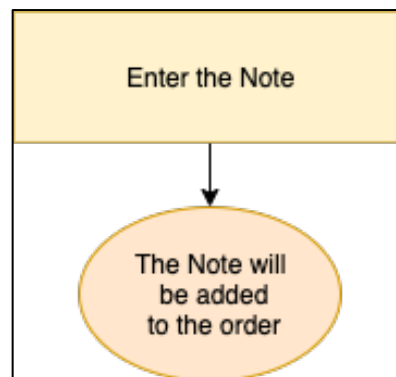


Figure 19 Add Note

- Entering Promo Code:

The following table shows a detailed description of “Entering Promo Code” use-cases:

Actors	Admin.
Description	✓ The customer can enter the promo code to the order
Data	Promo code
Stimulus	✓ Admin clicks on text field to enter the promo code
Response	✓ The customer will get a discount
Abnormal Condition	✓ If the promo code invalid, there will be a message tell him the promo code is invalid

Table 31 Entering Promo Code

The following figure shows active diagrams of “Entering Promo Code” stations:

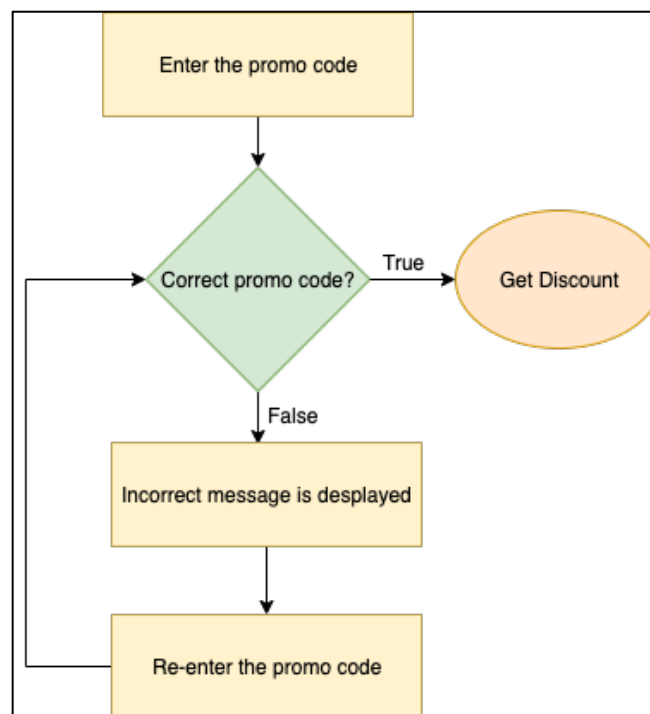


Figure 20 Entering Promo Code

- Remove Product from cart:

The following table shows a detailed description of “Continue Shopping” use-cases:

Actors	Admin.
Description	✓ The customer remove a product from the shopping cart
Data	No data provided
Stimulus	✓ Admin clicks on the Remove link
Response	✓ The product will be removed from the shopping cart
Abnormal Condition	✓ No abnormal condition.

Table 32 Remove Product from cart

The following figure shows active diagrams of “Remove Product from cart” stations:

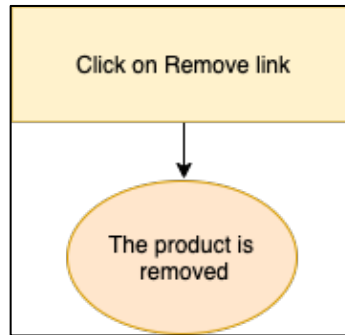


Figure 21 Remove Product from cart

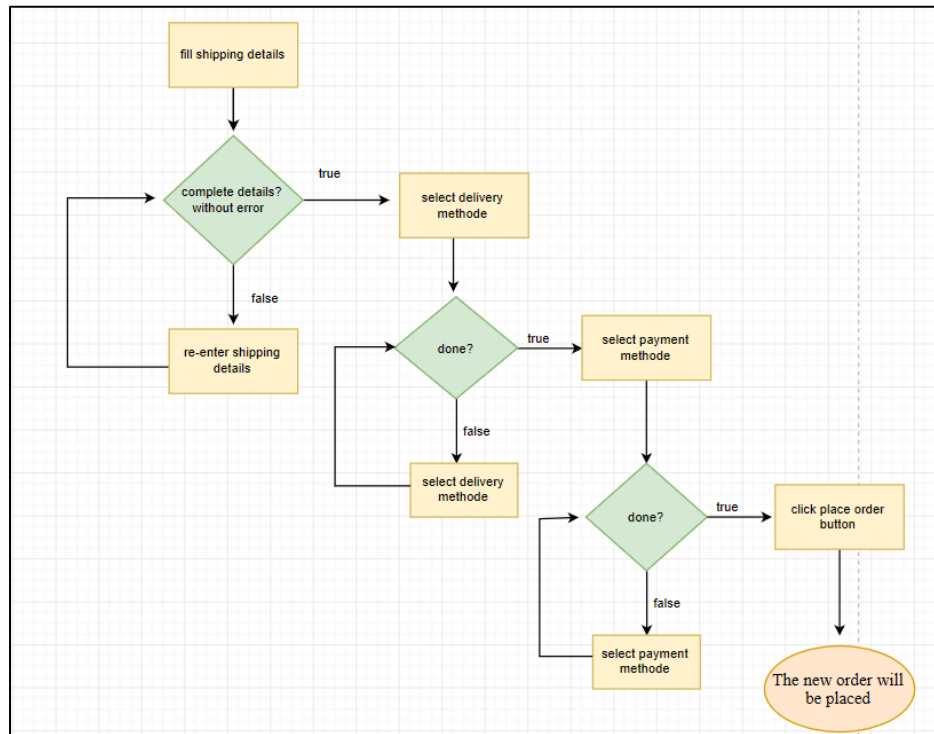
▪ Checkout (place order)

After the customer finished shopping, he can check out by going to his cart and checking the selected products and their quantities, enter promo code and add note then click checkout button, after that you must fill shipping details, select delivery method, payment and make a review and then place the order, Table 27 below shows place order use-case, Figure 18 below shows the active digram.

Actors	customer
Description	<ul style="list-style-type: none"> ✓ customer can place an order ✓ customer must complete the required steps (shipping details, delivery method and payment) in order to be allowed to place an order
Data	<ul style="list-style-type: none"> ✓ shipping details <ul style="list-style-type: none"> - first name - last name - address - city - country - zip code - phone ✓ delivery method <ul style="list-style-type: none"> - free ✓ payment <ul style="list-style-type: none"> - PayPal (not applicable) - Cash on delivery
Stimulus	Customer select place order button
Response	The new order will be placed to the system for the customer and then thankyou interface will appear to customer

Abnormal condition

- ✓ If the customer has not completed the shipping details or if there is error in the details, he/she will not be able to complete the required steps to place an order

Table 33 place order use-case*Figure 22 place order active diagram***3.2.2.2 Admin Functionalities****3.2.2.2.1 Admin Login**

The following table shows a detailed description of “Login” use-cases:

- Login:

Actors	Admin.
Description	<ul style="list-style-type: none"> ✓ The admin must be able to login and access the admin home page by providing email and password. ✓ The email and username must be verified and validated by the WIX DB. ✓ The admin must be redirected to his own homepage after the verification successfully is done.
Data	<ul style="list-style-type: none"> ✓ Email. ✓ Password.
Stimulus	Admin commands will be valid.

Response	Accessing the admin homepage leads him to other pages(interfaces) related to his privileges, which are managing the products store products (collections, production), store orders, customer management (inbox, contact list, site members), and setting (roles & permission).
Abnormal Condition	<ul style="list-style-type: none"> ✓ if the email incorrect, there is a message will be shown said “This email address doesn’t match any account. Double check and try again”. ✓ if the password in correct there is a message will be shown said “Double check your password and try again”.

Table 34 Login Functional Requirements

The following figure shows active diagram of “Admin Login” station:

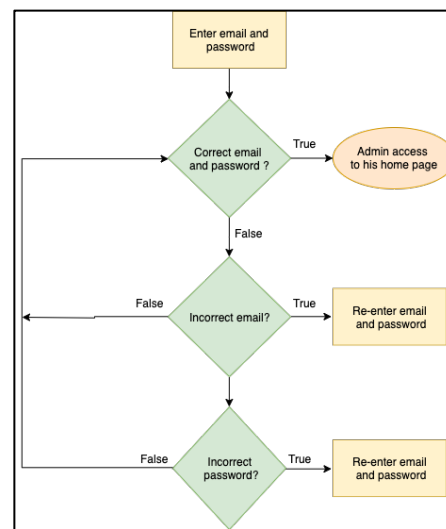


Figure 23 Admin Login

▪ **Forgot password:**

The following table shows a detailed description of “Forgot Password” use-cases:

Actors	Admin.
Description	<ul style="list-style-type: none"> ✓ Case1: the admin must be able to retrieve its password by providing his email ✓ Case 2: the admin must be able to retrieve login email by providing the website link address and phone number and country ✓ Case3: the admin must be able to retrieve email and password(account) by providing his email and full name, phone number, website address.
Data	<ul style="list-style-type: none"> ✓ Case 1: Email. ✓ Case 2: - Website link address. - Phone Number. - Country. ✓ Case 3: - Email - Full Name

	-Website link address - Phone Number
Stimulus	The admin issued command by pressing “forgot password” on the login page.
Response	✓ Case 1: an email will be sent to the admin email provided by him in case of password forgotten. ✓ Case 2: a message will be sent to the phone number provided by the admin with its email address needed to login. ✓ Case 3: a message will be sent to an email provided by the admin.
Abnormal Condition	✓ Case 1: if the email incorrect, there is a message will be shown said “This email address doesn’t match any account. Double check and try again”. ✓ Case 2: if the website address incorrect there is a message will be shown said “Couldn't find an account with that website address”. ✓ Case 3: if the website address incorrect there is a message will be shown said “Couldn't find an account with that website address”.

Table 35 Forgot Password Functional Requirements

The following figure shows active diagrams of “Forgot Password” stations:

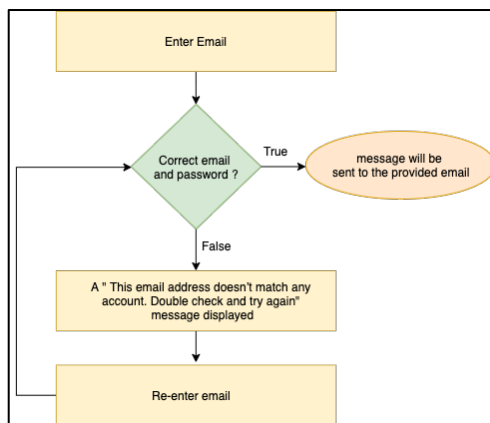


Figure 24 Forgot Password – case 1

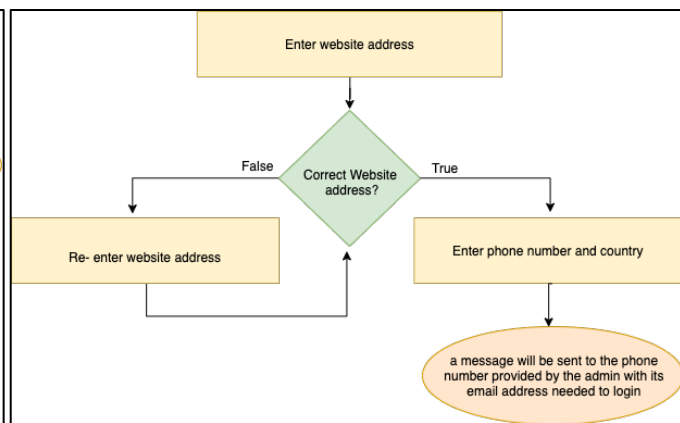


Figure 25 Forgot Password – case 2

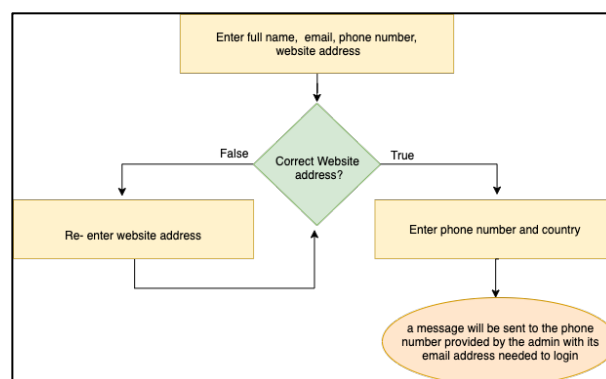


Figure 26 Forgot Password – case 3

3.2.2.2.2 Admin Homepage

3.2.2.2.2.1 Collection Requirements

- Creating a new Collection:

The following table shows a detailed description of “Creating a new Collection” use-cases:

Actors	Admin.
Description	✓ The admin can add new collection by filling the form with its information.
Data	<ul style="list-style-type: none"> ✓ Collection Name. ✓ Collection image. ✓ Products.
Stimulus	Admin select it by clicking “new collection” button.
Response	The collection will be added to the collections interface.
Abnormal Condition	✓ If the admin does not enter a name of the collection , the collection will be named directly with this name “Collection###”.

Table 36 Creating New Collection Requirements

The following figure shows active diagrams of “Creating New Collection” stations:

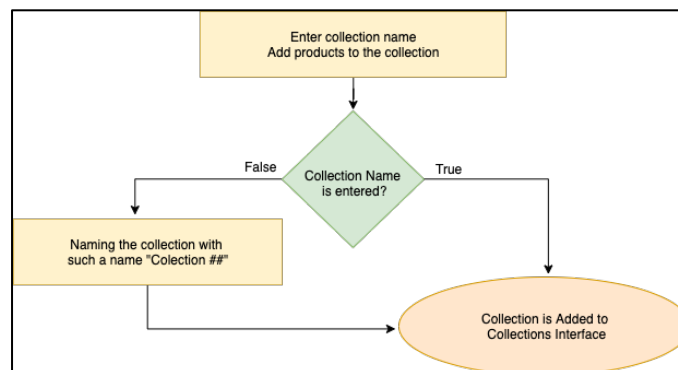


Figure 27 Creating New Collection

- Editing existing collection:

The following table shows a detailed description of “Editing existing collection” use-cases:

Actors	Admin.
Description	✓ The admin can edit an existing collection by filling the form with its information.
Data	<ul style="list-style-type: none"> ✓ Collection Name. ✓ Collection image. ✓ Products. ✓ Creating a coupon Case: <ul style="list-style-type: none"> - Coupon Code. - Coupon Name. - Discount. - Applied collection/s.

	<ul style="list-style-type: none"> - Applied Products/s. - Validation dates - Limit Use
Stimulus	<ul style="list-style-type: none"> ✓ Admin select it by clicking “edit ccollection” option from the dropdown list of a specified collection in collections admin interface. ✓ Creating a case is done by clicking “Create Coupon”.
Response	<ul style="list-style-type: none"> ✓ In case of creating code, he must be able to add the coupon code, coupon name, discount amount (Riyals, percent, free shipping, sale price, buy X get Y product/s), choose the applied collection/s and product/s by from a dropdown list, validation start date and validation end date, and entering the limitation of using times. ✓ The collection will be edited with new to the collections interface.
Abnormal Condition	<ul style="list-style-type: none"> ✓ Any missed data of clicking coupon will shows a message saying this data is missed.

Figure 28 Editing Existing Collection

- The following figure shows active diagrams of “Editing Existing Collection” stations:

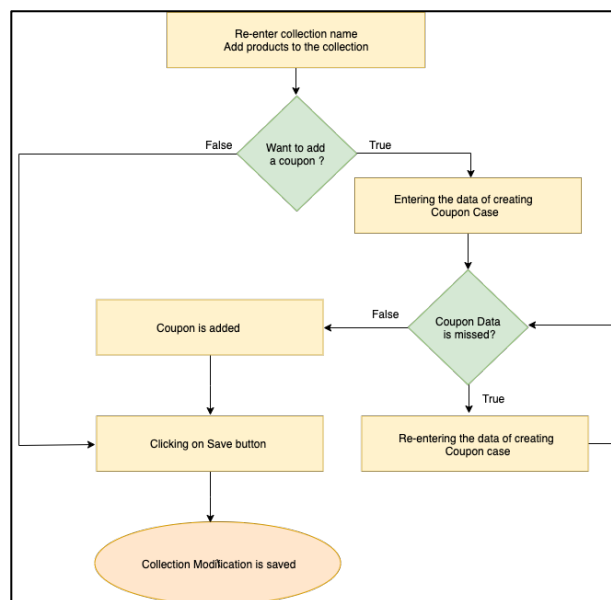


Figure 29 Editing Existing Collection

- Existing collection deletion:
The following table shows a detailed description of “Existing collection deletion” use-cases:

Actors	Admin.
Description	✓ The customer can delete an existing collection.
Data	No data provided
Stimulus	✓ Admin select it by clicking “delete collection” option from the dropdown list of a specified collection in collections admin interface.
Response	✓ An option pane with message to confirm deletion of the collection

	appeared and when he confirms deletion, then the collection will be deleted
Abnormal Condition	✓ No abnormal condition.

- The following figure shows active diagrams of “Existing collection deletion” stations:

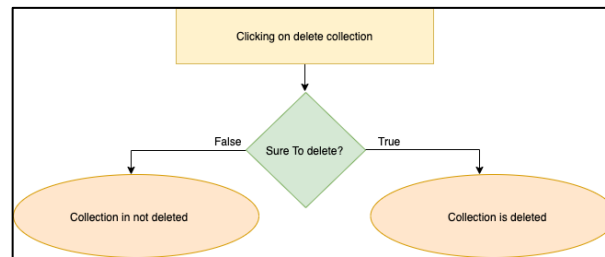


Figure 30 Existing collection deletion

3.2.2.2.2 Admin Products Requirements

- Adding a new product:

The following table shows a detailed description of “Adding a new product” use-cases:

Actors	Admin.
Description	✓ The admin can add new product by filling the form with its information.
Data	✓ Basic Info Data: <ul style="list-style-type: none"> - Name - Ribbon - Price - Description ✓ On sale Data: <ul style="list-style-type: none"> - Discount - Sale Price ✓ Additional Info Data: <ul style="list-style-type: none"> - Additional Info Title - Additional Info Description ✓ Product Option Data: <ul style="list-style-type: none"> - Product Option Name - Product Option Choices - Product Option Show Style ✓ Inventory & Shipping Statues
Stimulus	Admin select it by clicking “new product” button.
Response	The product will be added to the collection and will be displayed on the page in which its collection is displayed of the website, and it will be added to the list of the products in the admin products interface.
Abnormal Condition	✓ Case1: If the admin does not enter the name of the product, there “Your product needs a name” message is displayed. ✓ Case2: If the admin does not enter the price of the product, “the Price is

	<p>invalid” message is displayed.</p> <ul style="list-style-type: none">✓ Case3: If the admin does not enter the price of the product and name, “the Price is invalid” and “Your product needs a name” messages are displayed.✓ Case 4: If the admin does not enter the discount amount, then the sale price will be filled automatically with the same of the product price✓ Case5: If the admin does not enter the sale price, the discount will be 0 Ryial automatically✓ Case6: If the additional info section title is not filled there is red sign shown to re-enter it.✓ Case 7: If the admin want to add options, he must add all options data or the options will not be added.
--	--

Figure 31 Adding a New Product

The following figure shows active diagrams of “Adding a new product” stations:

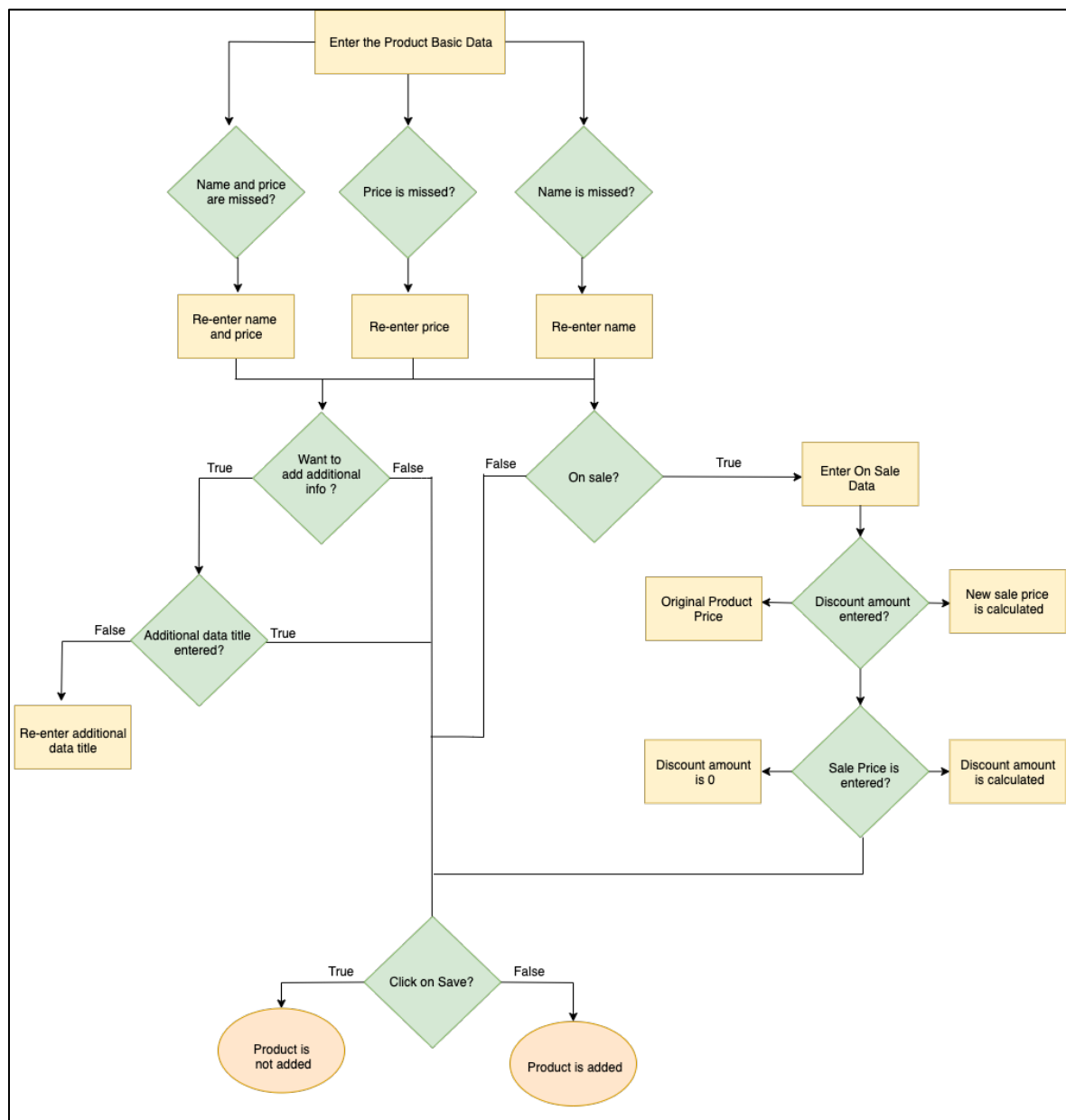


Figure 32 Adding a New Product

■ Editing an existing product:

The following table shows a detailed description of “Editing an existing product” use-cases:

Actors	Admin.
Description	✓ The admin can edit a product by filling the form with its information.
Data	✓ Basic Info Data: <ul style="list-style-type: none"> - Name - Ribbon - Price - Description ✓ On sale Data:

	<ul style="list-style-type: none"> - Discount - Sale Price ✓ Additional Info Data: <ul style="list-style-type: none"> - Additional Info Title - Additional Info Description ✓ Product Option Data: <ul style="list-style-type: none"> - Product Option Name - Product Option Choices - Product Option Show Style ✓ Inventory & Shipping Statues ✓ SKU ✓ Collection
Stimulus	Admin select it by clicking the specified product photo or name in the list of products.
Response	The product will be edited.
Abnormal Condition	<ul style="list-style-type: none"> ✓ Case1: If the admin does not enter the name of the product, there “Your product needs a name” message is displayed. ✓ Case2: If the admin does not enter the price of the product, “the Price is invalid” message is displayed. ✓ Case3: If the admin does not enter the price of the product and name, “the Price is invalid” and “Your product needs a name” messages are displayed. ✓ Case 4: If the admin does not enter the discount amount, then the sale price will be filled automatically with the same of the product price ✓ Case5: If the admin does not enter the sale price, the discount will be 0 Ryial automatically ✓ Case6: If the additional info section title is not filled there is red sign shown to re-enter it. ✓ Case 7: If the admin want to add options, he must add all options data or the options will not be added.

Table 37 Editing an Existing Product

The following figure shows active diagrams of “Editing an Existing product” stations:

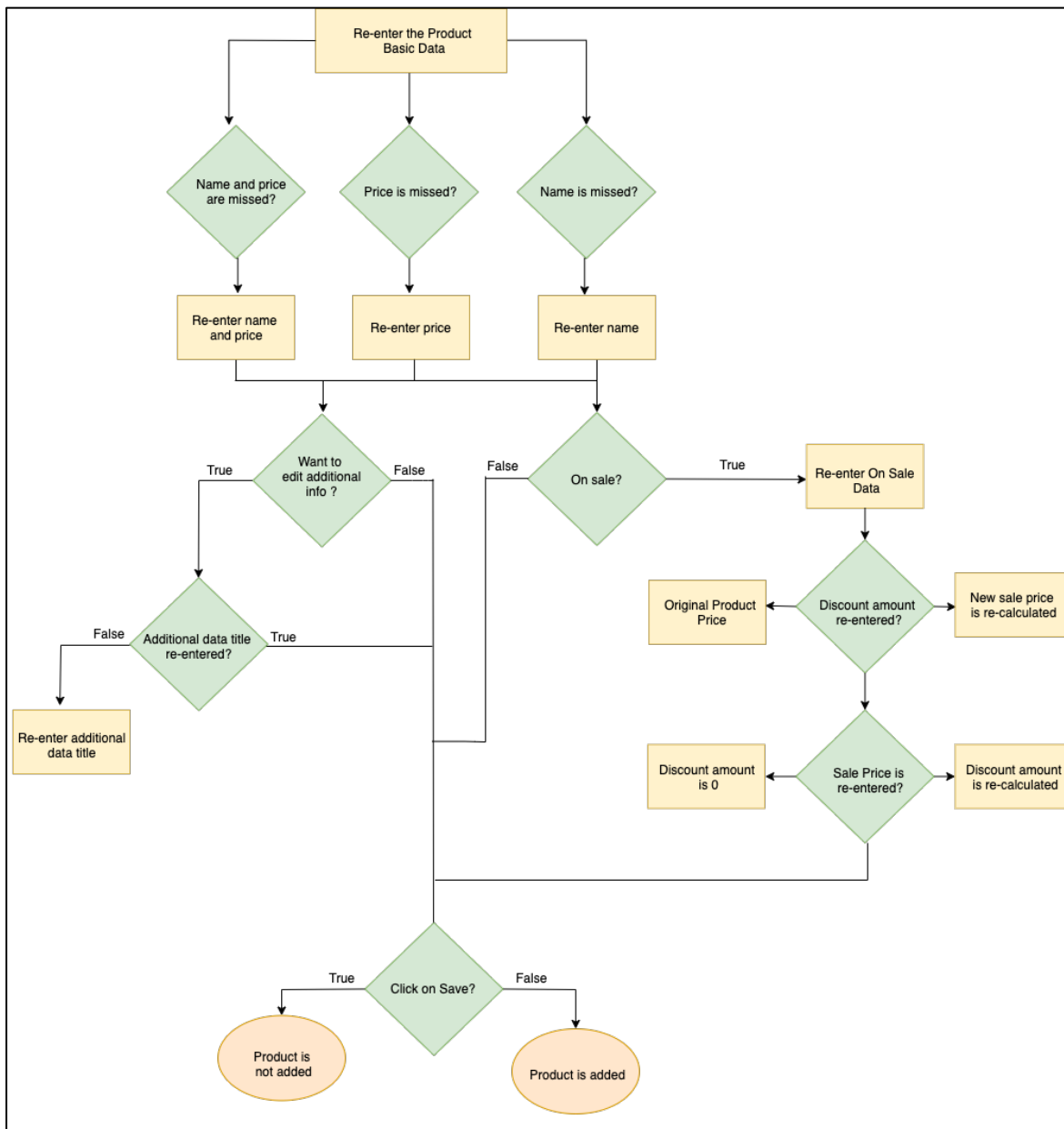


Figure 33 Editing an Existing Product

- Deleting an existing product:
The following table shows a detailed description of “Existing collection deletion” use-cases:

Actors	Admin.
Description	✓ The admin can delete an existing product.
Data	No data provided
Stimulus	✓ Admin select it by clicking “delete product” option from the dropdown list of a specified product in products admin interface.
Response	✓ An option pane with message to confirm deletion of the product appeared and when he confirms deletion, then the product will be deleted

Abnormal Condition ✓ No abnormal condition.

Table 38 Deleting an Existing Product

- The following figure shows active diagrams of “Existing collection deletion” stations:

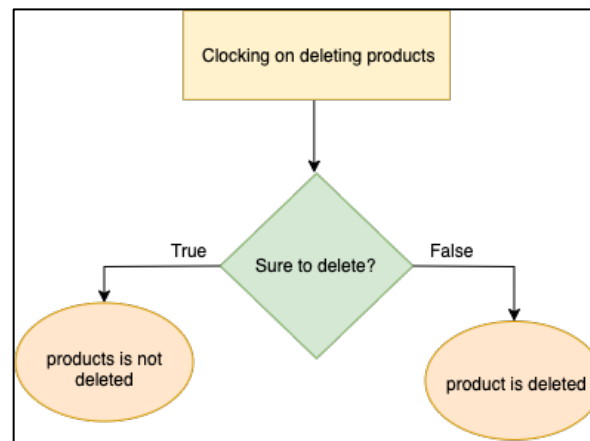


Figure 34 Deleting an Existing Product

- Duplicating an existing product:
The following table shows a detailed description of “Duplicating an existing product” use-cases:

Actors	Admin.
Description	✓ The customer can duplicate a product by filling the form with its information.
Data	✓ Basic Info Data: <ul style="list-style-type: none"> - Name - Ribbon - Price - Description ✓ On sale Data: <ul style="list-style-type: none"> - Discount - Sale Price ✓ Additional Info Data: <ul style="list-style-type: none"> - Additional Info Title - Additional Info Description ✓ Product Option Data: <ul style="list-style-type: none"> - Product Option Name - Product Option Choices - Product Option Show Style ✓ Inventory & Shipping Statues
Stimulus	Admin select it by clicking the specified product photo or name in the list of

	products.
Response	The product will be duplicated.
Abnormal Condition	<ul style="list-style-type: none"> ✓ Case1: If the admin does not enter the name of the product, there “Your product needs a name” message is displayed. ✓ Case2: If the admin does not enter the price of the product, “the Price is invalid” message is displayed. ✓ Case3: If the admin does not enter the price of the product and name, “the Price is invalid” and “Your product needs a name” messages are displayed. ✓ Case 4: If the admin does not enter the discount amount, then the sale price will be filled automatically with the same of the product price ✓ Case5: If the admin does not enter the sale price, the discount will be 0 Ryial automatically ✓ Case6: If the additional info section title is not filled there is red sign shown to re-enter it. ✓ Case 7: If the admin want to add options, he must add all options data or the options will not be added.

Table 39 Duplicating an Existing Product

The following figure shows active diagrams of “Duplicating an existing product” stations:

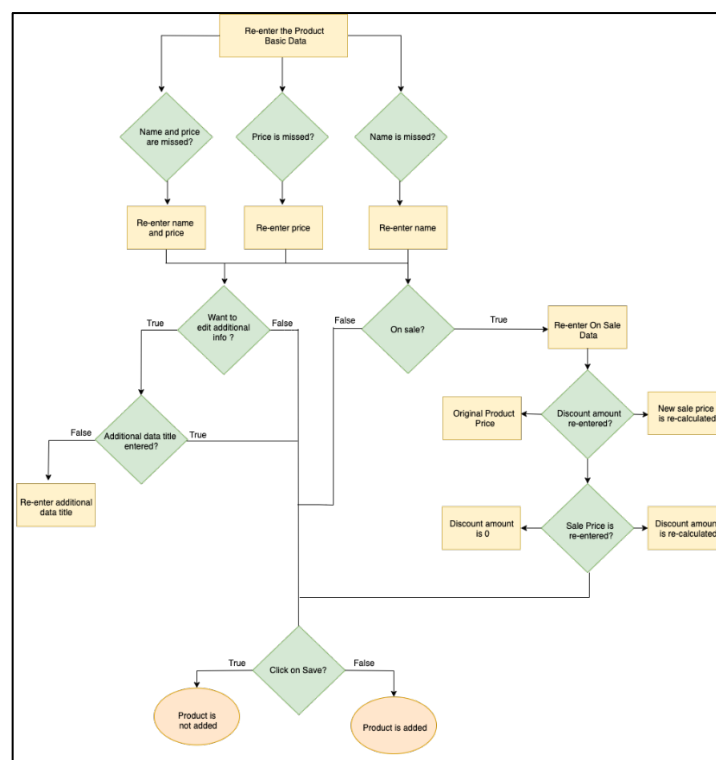


Figure 35 Duplicating an Existing Product

3.2.2.2.3 Store Order Requirements

Change Statues:

The following table shows a detailed description of “Change statues” use-cases:

Actors	Admin.
Description	✓ The admin can change statues of specific order or set of orders
Data	No data provided
Stimulus	✓ Click the check box of the products needed to change their statues
Response	✓ The fulfillment and payment statues would be changed
Abnormal Condition	✓ Case1: when change the payment statues, an option pane to confirm changing the statues will appear ✓ Case2: - when change the fulfillment statues, an option pane to confirm Fulfillment. - when the fulfillment statues change option pane appeared, there will be 2 check boxes to change the payment statement into paid and check box to send an email to customer for shipping confirmation.

Table 40 Change statues

The following figure shows active diagrams of “Change statues” stations:

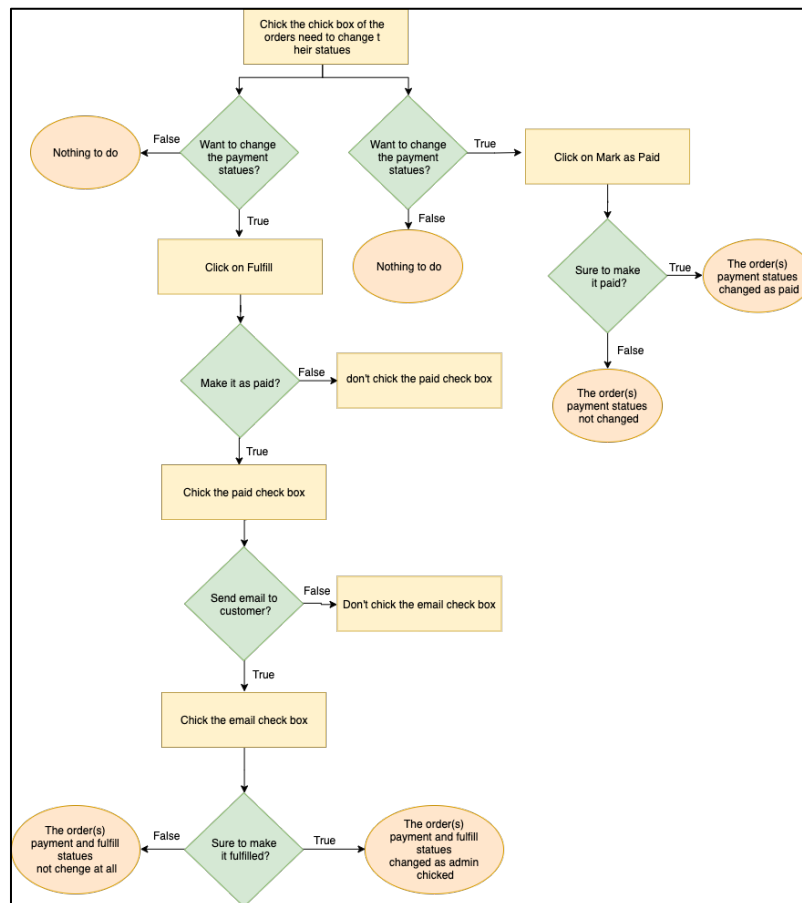


Figure 36 Change statues

- Filter By Statues:

The following table shows a detailed description of “Filter By Statues” use-cases:

Actors	Admin.
Description	✓ The admin can display the orders by their statues
Data	No data provided
Stimulus	✓ Select the statues option from the drop down list
Response	✓ The orders with the statues option selected is appear
Abnormal Condition	If the there are no orders with the selected option, the “No orders match your search” is displayed.

Table 41 Filter By Statues

- The following figure shows active diagrams of “Filter By Statues” stations:

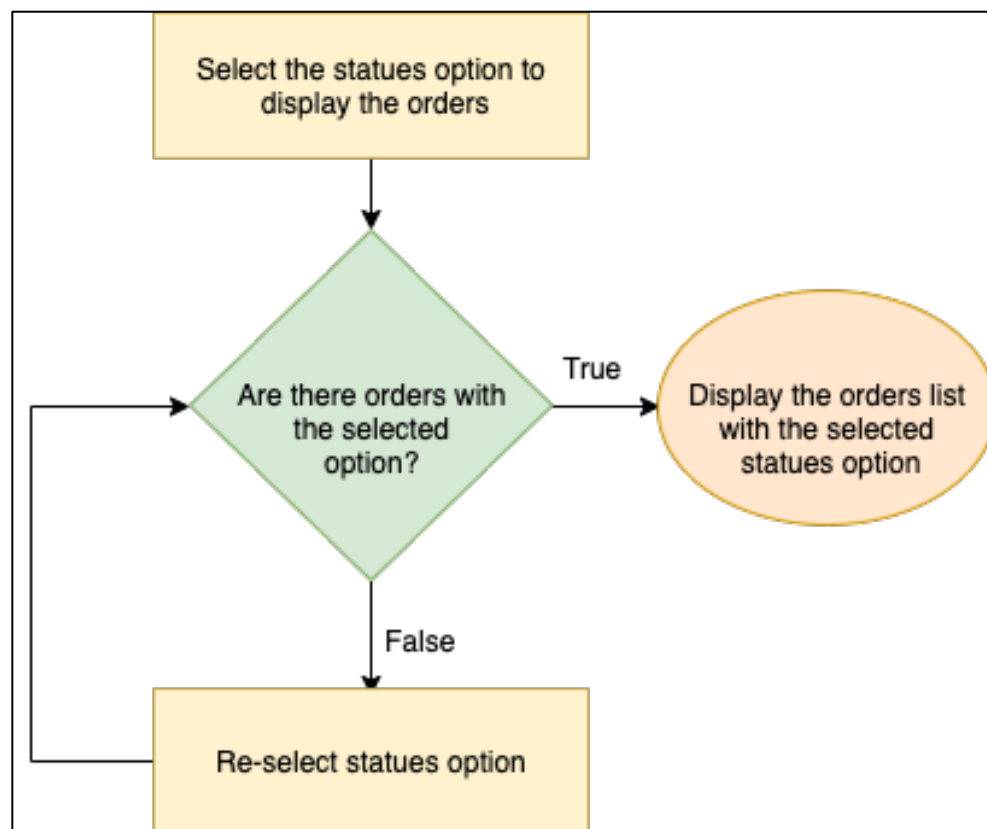


Figure 37 Filter By Statues

- Export orders:

The following table shows a detailed description of “Export orders” use-cases:

Actors	Admin.
Description	✓ The admin can export the selected order(s).
Data	No data provided.
Stimulus	✓ Select the orders need to be exported by checking their chick box.
Response	✓ The selected orders will be exported and saved as .CVS file.
Abnormal Condition	No abnormal condition.

Table 42 Export orders

The following figure shows active diagrams of “Export orders” stations:

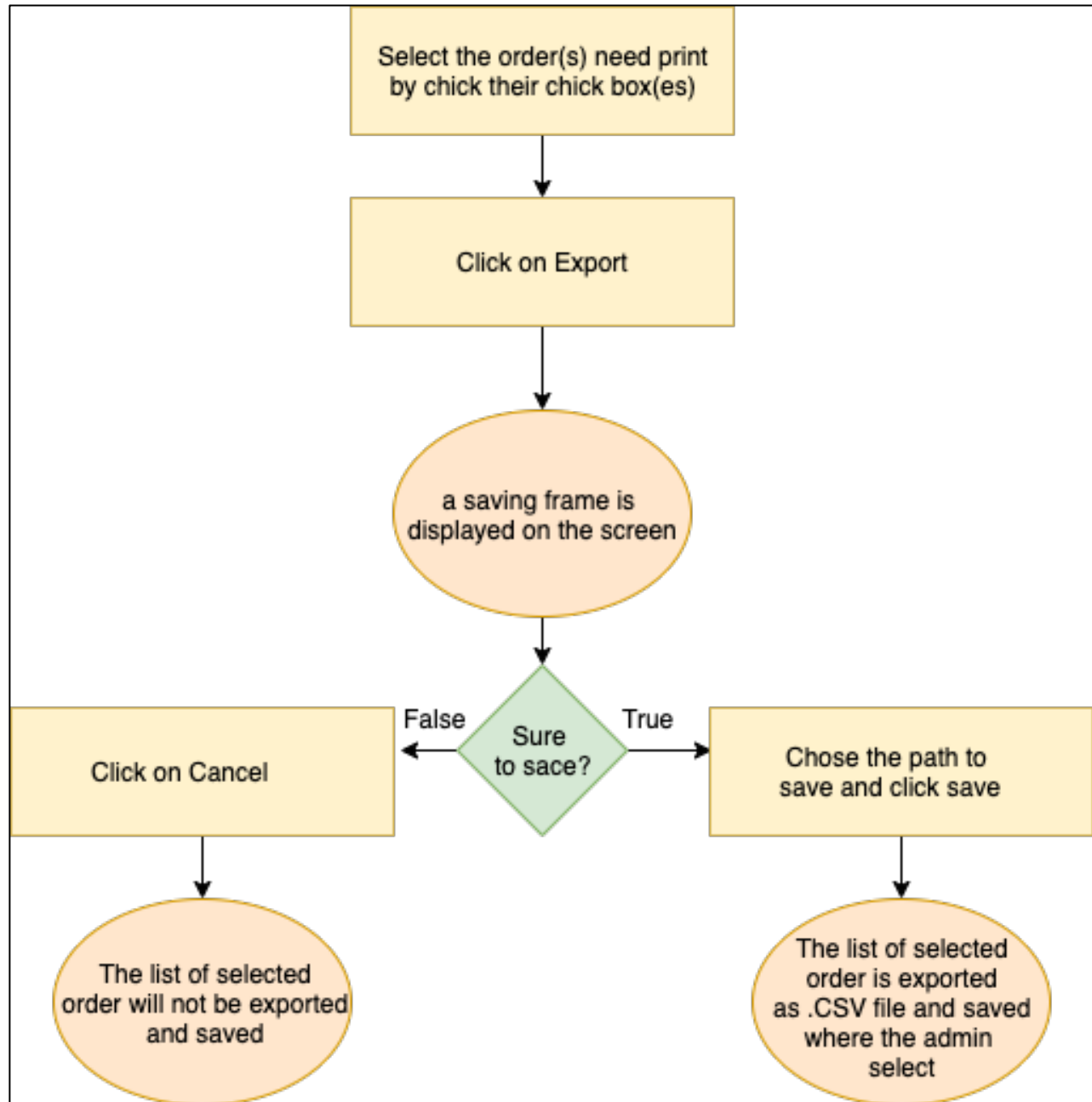


Figure 38 Export orders

- Print Orders:

The following table shows a detailed description of “Print orders” use-cases:

Actors	Admin.
Description	✓ The admin can print the selected order(s).
Data	No data provided.
Stimulus	✓ Select the orders need to be printed by checking their chick box.
Response	✓ The selected orders will be printed
Abnormal Condition	No abnormal condition.

Table 43 Print orders

The following figure shows active diagrams of “Print orders” stations:

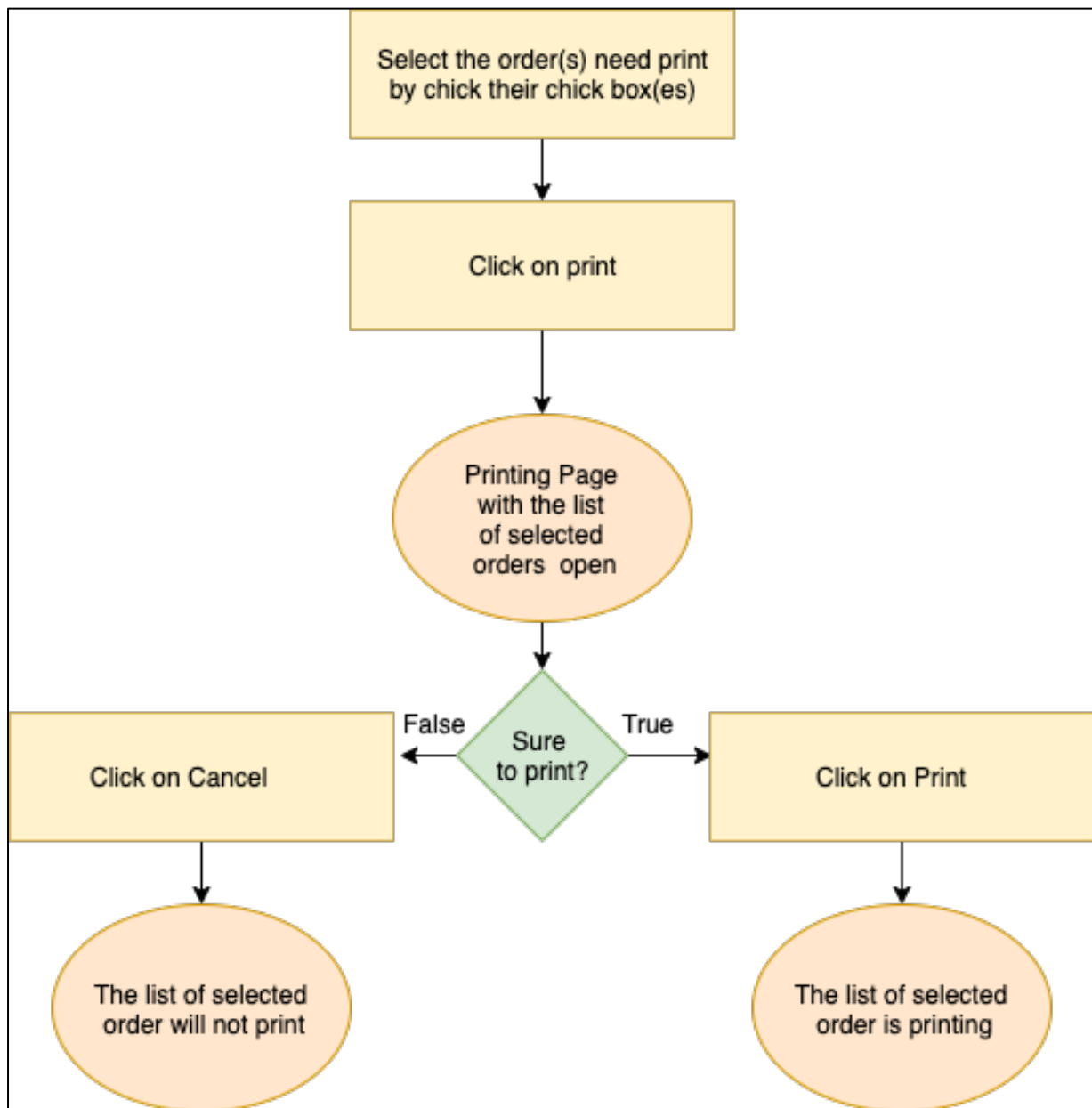


Figure 39 Print orders

- Archive Orders:

The following table shows a detailed description of “Archive Orders” use-cases:

Actors	Admin.
Description	✓ The admin can change the selected orders to be archived.
Data	✓ No data provided
Stimulus	✓ Clicking on the archive icon
Response	✓ The selected orders are archived
Abnormal Condition	✓ No abnormal condition

Table 44 Archive Orders

The following figure shows active diagrams of “Archive Orders” stations:

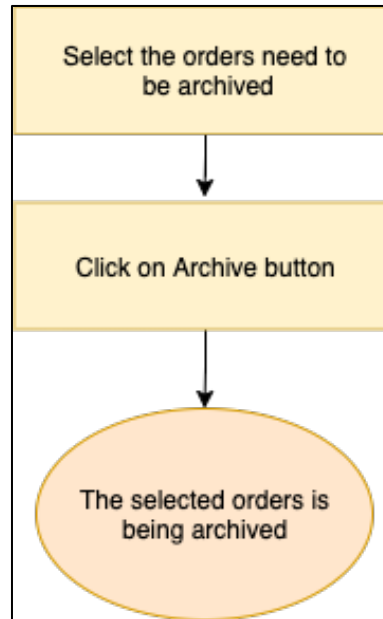


Figure 40 Archive Orders

- Unarchive Orders:

The following table shows a detailed description of “Unarchive Orders” use-cases:

Actors	Admin.
Description	✓ The admin can change the selected orders to be unarchived.
Data	✓ No data provided
Stimulus	✓ Clicking on the unarchive icon
Response	✓ The selected orders are unarchived
Abnormal Condition	✓ No abnormal condition

Table 45 Unarchive Orders

The following figure shows active diagrams of “Unarchive Orders” stations:

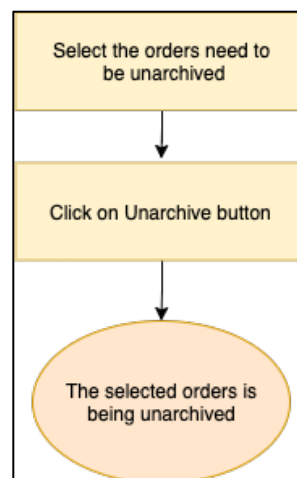


Figure 41 Unarchive Orders

- Filter by dates:

The following table shows a detailed description of “Filter by dates” use-cases:

Actors	Admin.
Description	✓ The admin can list the orders between the start and end dates.
Data	✓ Start date ✓ End date
Stimulus	✓ Entering the start and end dates by the user
Response	✓ The list of orders within two dates will appear
Abnormal Condition	✓ No abnormal condition

Table 46 Filter by dates

The following figure shows active diagrams of “Filter by dates” stations:

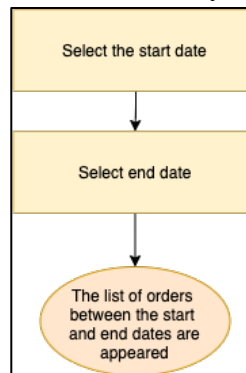


Figure 42 Filter by dates

- Search orders:

The following table shows a detailed description of “Search orders” use-cases:

Actors	Admin.
Description	✓ The admin can create search for orders
Data	✓ Customer Name ✓ Order Number
Stimulus	✓ Writing the data in the search text field
Response	✓ The list of orders within the specified customer name or order number will be appeared
Abnormal Condition	✓ No abnormal condition

Table 47 Search orders

The following figure shows active diagrams of “Search orders” stations:

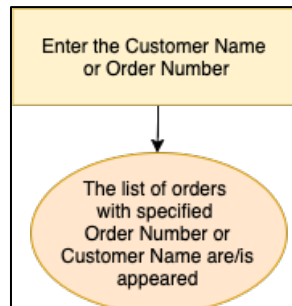


Figure 43 Search orders

▪ Create Invoice:

The following table shows a detailed description of “Create Invoice” use-cases:

Actors	Admin.
Description	✓ The admin can create invoice to the selected order.
Data	No data provided.
Stimulus	✓ Select the order need to make invoice for it.
Response	✓ An invoice will be created to the selected orders.
Abnormal Condition	✓ Case1: if the order status is (unpaid), then the invoice cannot made ✓ Case2: if the customer email address is invalid, the invoice cannot be made ✓ Case3: if the admin creates an invoice for the specific order before, he cannot make a new invoice for it.

Table 48 Create Invoice

The following figure shows active diagrams of “Create Invoice” stations:

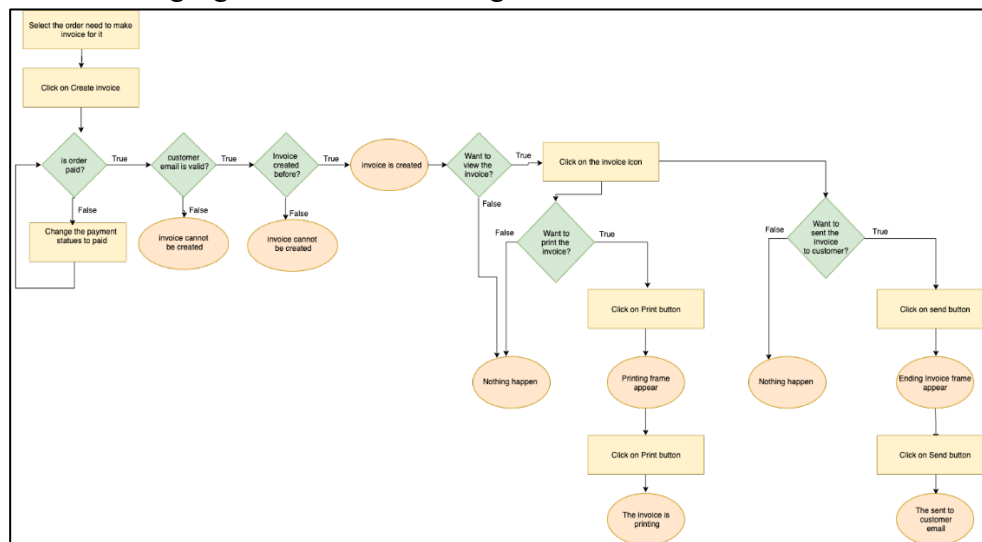


Figure 44 Create Invoice

3.2.2.2.4 Inbox Requirements

▪ Reply to the message:

The following table shows a detailed description of “Reply to the message” use-cases:

Actors	Admin.
Description	✓ The admin can reply on the customer messages on online chat
Data	No data provided
Stimulus	✓ Click on the textbox
Response	✓ The message will be sent to the customer.
Abnormal Condition	✓ Case1: if the admin ✓ Case2: If the customer is online, the message will be displayed for him directly ✓ Case3: If the customer is not online, the message will be sent to the customer email.

Table 49 Reply to the message

The following figure shows active diagrams of “Reply to the message” stations:

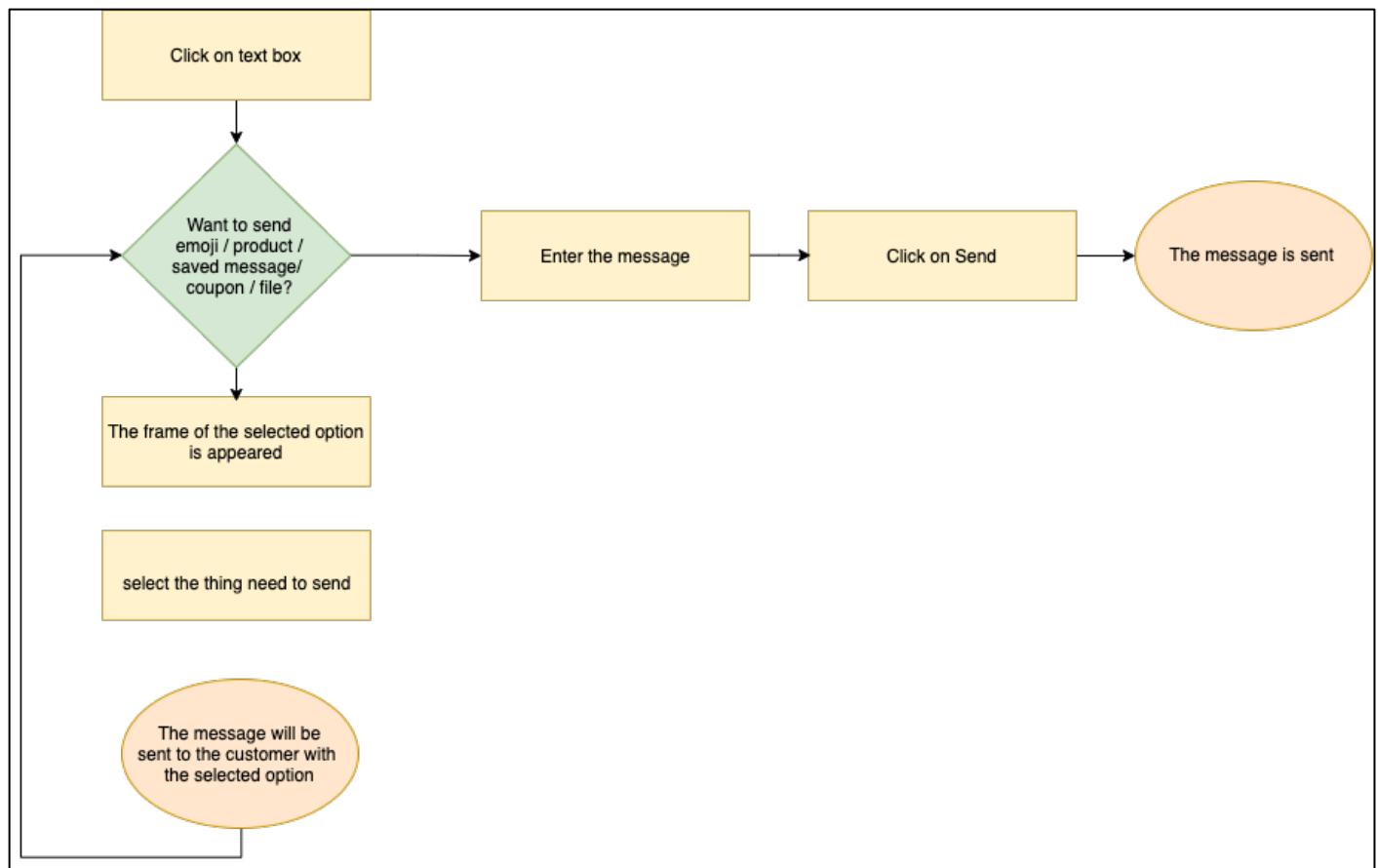


Figure 45 Reply to the message

- Delete the message:

The following table shows a detailed description of “Delete the message” use-cases:

Actors	Admin.
Description	✓ The admin can delete a selected message
Data	No data provided
Stimulus	✓ Click on the delete message icon
Response	✓ The message will be deleted
Abnormal Condition	✓ No abnormal condition

Table 50 Delete the Message

The following figure shows active diagrams of “Delete the message” stations:

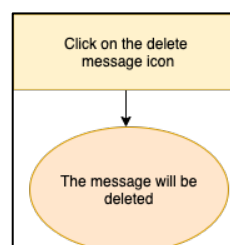


Figure 46 Delete the Message

3.2.2.2.5 Site Members Requirements

- View Member:

The following table shows a detailed description of “View Member” use-cases:

Actors	Admin.
Description	✓ The admin can view a selected member
Data	No data provided
Stimulus	✓ Click the member on member name
Response	✓ The member information will be displayed
Abnormal Condition	✓ No abnormal condition

Table 51 View Member

The following figure shows active diagrams of “Delete the message” stations:

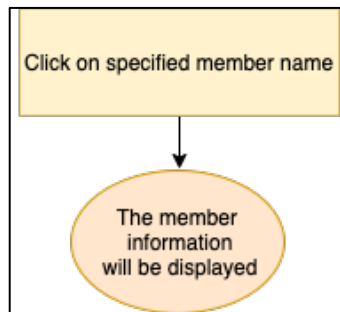


Figure 47 View Member

- Block member:

The following table shows a detailed description of “Block member” use-cases:

Actors	Admin.
Description	✓ The admin can block a selected member
Data	No data provided
Stimulus	✓ Click on the block member from dropdown list
Response	✓ The member will be blocked and transformed to the blocked member list.
Abnormal Condition	✓ No abnormal condition

Table 52 Block member

The following figure shows active diagrams of “Block member” stations:

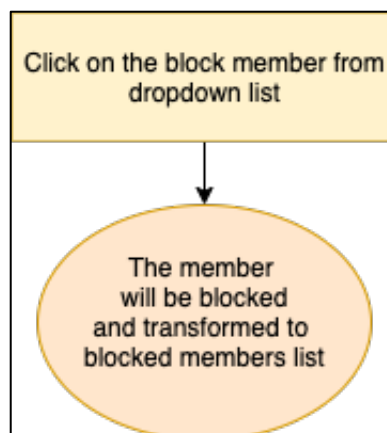


Figure 48 Block member

- Delete Member:

The following table shows a detailed description of “Delete Member” use-cases:

Actors	Admin.
Description	✓ The admin can delete a member
Data	No data provided
Stimulus	✓ Click on delete member in dropdown list
Response	✓ The member will be deleted
Abnormal Condition	✓ No abnormal condition

Table 53 Delete Member

The following figure shows active diagrams of “Delete Member” stations:

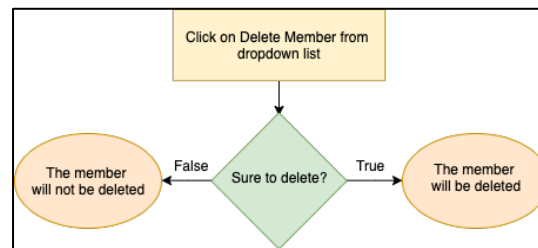


Figure 49 Delete Member

- Search Member:

The following table shows a detailed description of “Search Member” use-cases:

Actors	Admin.
Description	✓ The admin can search for a specific member by the his/her email
Data	Email
Stimulus	✓ Click on the search text field
Response	✓ The member will be displayed
Abnormal Condition	✓ If the email not match with any member, the not match message will be displayed

Table 54 Search Member

The following figure shows active diagrams of “Search Member” stations:

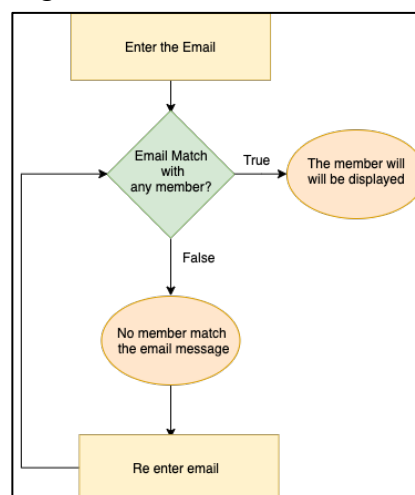


Figure 50 Search Member

▪ View Blocked Members list:

The following table shows a detailed description of “Delete the message” use-cases:

Actors	Admin.
Description	✓ The admin can delete a selected message
Data	No data provided
Stimulus	✓ Click on the delete message icon
Response	✓ The message will be deleted
Abnormal Condition	✓ Case1: If the admin want to restore the member, he selects from the dropdown list restore member ✓ Case2: if he wants to view member, he selects view member from dropdown list ✓ Case3: if he wants to view member, he selects view member from dropdown list

Table 55 View Blocked Members list

The following figure shows active diagrams of “View Blocked Members list” stations:

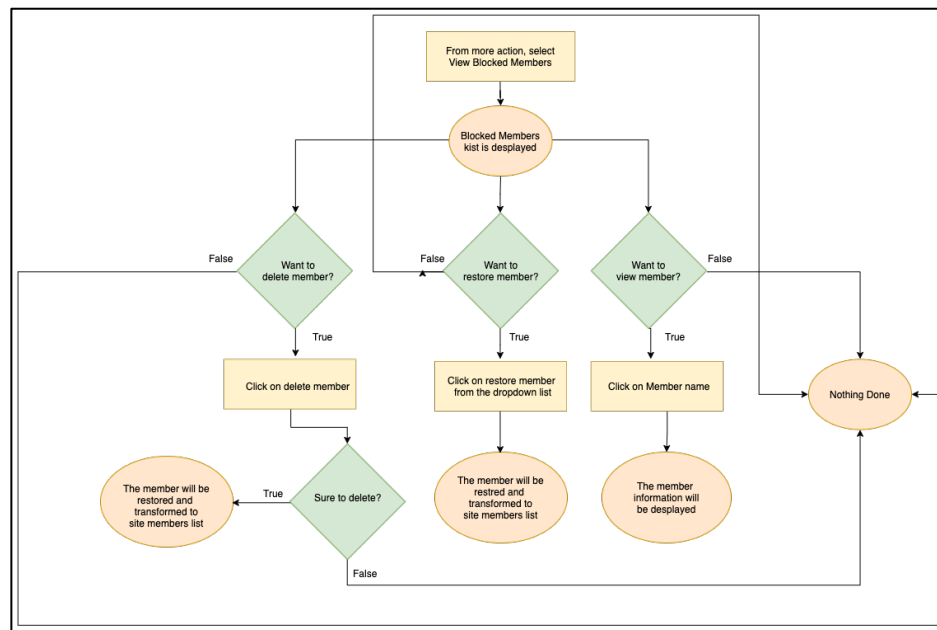


Figure 51 View Blocked Members list

3.2.2.2.6 Roles & Permission Requirements

▪ Adding a new admin:

The following table shows a detailed description of “Adding a new admin” use-cases:

Actors	Admin.
Description	✓ The first admin can add a new admin to the website
Data	✓ New Admin Email
Stimulus	✓ Click on add contributor button
Response	✓ The message to a new admin will be sent to his email to let him confirm he is accept the request ✓ The admin will be added to the admin lists

Abnormal Condition	✓ If the admin not accept using the email, he will not be able to manage the website
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Table 56 Adding a new admin

The following figure shows active diagrams of “Adding a new admin” stations:

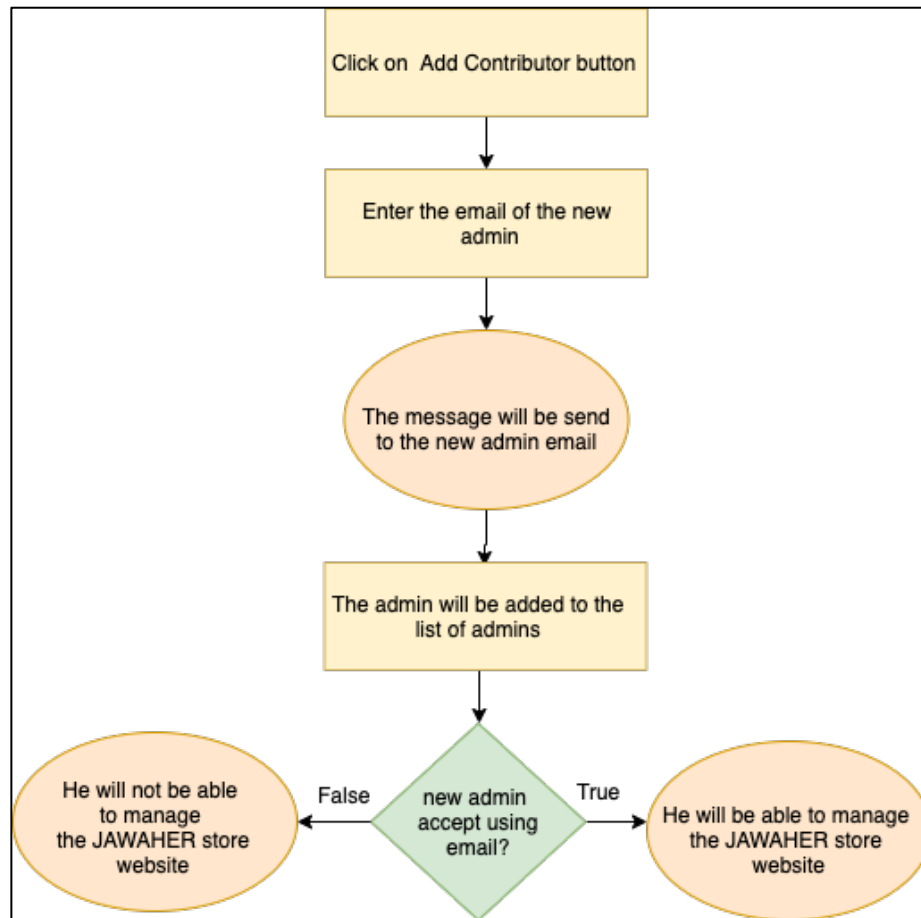


Figure 52 Adding a new admin

3.3 Non-Functional Requirements

3.3.1 Performance Requirements

JAWAHER’s website performance requirements are related to its availability, workload, connectivity, and response time.

1. **Availability:** the website should be accessible at any time, as long as the server is working and the device is connected to the internet.
2. **Workload:** server computations should be optimized so it can handle the workload. Furthermore, the website can support many users instantaneously; because WIX has its own hosting service, which makes it stronger and more efficient.
3. **Connectivity:** The website will be hosted with its database at the same server, so that the speed is optimized and interaction is fast.
4. **Response Time:** Response time, should be considerably fast. It is difficult to estimate the different response times for the variety of operations, but loading a product page

should not take longer than 3 seconds. In general, the end user should not feel any long delays while surfing the website, it should be convenient to all users.

3.3.3 Design Constraints

These are the restrictions or limitations imposed on the software implementation, that are related to JAWAHER's website.

1. **Connectivity restrictions:** You can't design a heavy website with weak connectivity. Luckily we used WIX to design and implement our website, which has a great hosting service. We can design freely and without worrying about the website's weight.
2. **Creativity restrictions:** If you don't have a clear vision for what you want to design, or how your website should look like, it can be overwhelming to use WIX; because of the many customizable templates available.
3. **Time restrictions:** since we only have 16 weeks to deliver this project (as mentioned in the SPMP document), time is really tight to make the design.

3.3.3 System Software Attributes

The attributes related to the website are:

- 1- **Reliability:** JAWAHER's website should load its contents of pictures and whatnot, do all the functions it should like letting the customer register as a user, add items to their cart, and checkout smoothly without any errors or without the website crashing. However, any change in requirements can effect reliability.
- 2- **Availability:** Since WIX is a cloud based tool, the website should be up and functioning whenever the device is connected to the internet. If it's not, no admin or customer can reach it.
- 3- **Security and Privacy:** our website will keep very sensitive information about the customers, such as addresses, emails and passwords. Therefore, the software must maintain a high security and privacy system. To provide security; first, the user has enter a username and a password to access their information, also, not even the admin can access this sensitive information.
- 4- **Maintainability:** we measure maintainability by how fast and efficient the site goes up after a crash. The responsible software engineer should take little time to know the problem and fix it.
- 5- **Portability:** the website works on any device connected to the internet, regardless of the kind of device used (i.e. laptop, smartphone), or the OS installed on that device.