VIETNAM GENERAL CONFEDERATION OF LABOR

**TON DUC THANG UNIVERSITY FACULTY OF**

**INFORMATION TECHNOLOGY**



**SOFTWARE TECHNOLOGY**

**ONLINE FLOWERS SHOP**

*Instructing Lecturer*: **Mr.**

*Student’s name*: **PHAM TIEN DAT - 517H0042**

**NGUYEN TAN TAI - 517**

Class **: 17050211**

Course **: 21**

**HO CHI MINH CITY, YEAR 2019.**

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With limited time and experience, this report can not avoid mistakes. We are looking forward to receiving advice and comments from teachers so that we can improve our awareness, better serve the practical work later.

We sincerely thank you!

**THE PROJECT WAS COMPLETED AT TON DUC THANG UNIVERSITY**

I pledge that this is a product of our own project and is under the guidance of Mr. . The content of research, results in this subject is honest and not published in any form before. The data in the tables used for the analysis, comment, and evaluation were collected by the authors themselves from various sources indicated in the reference section.

Besides, in my project, I also use many comments, evaluations as well as figures of other authors, organizations. Their documental sources are all quoted.

*Ho Chi Minh City, December 1st 2019*

*Authors*

*(Sign and write full name)*

*Pham Tien Dat*

*Nguyen Tan Tai*

**EVALUATION AND INSTRUCTION LECTURER**

**Confirmation of the instructor**

Ho Chi Minh City, December 1st 2019

(Sign and write full name)

**The assessment of the teacher marked**

Ho Chi Minh City, December 1tst 2019

(Sign and write full name)

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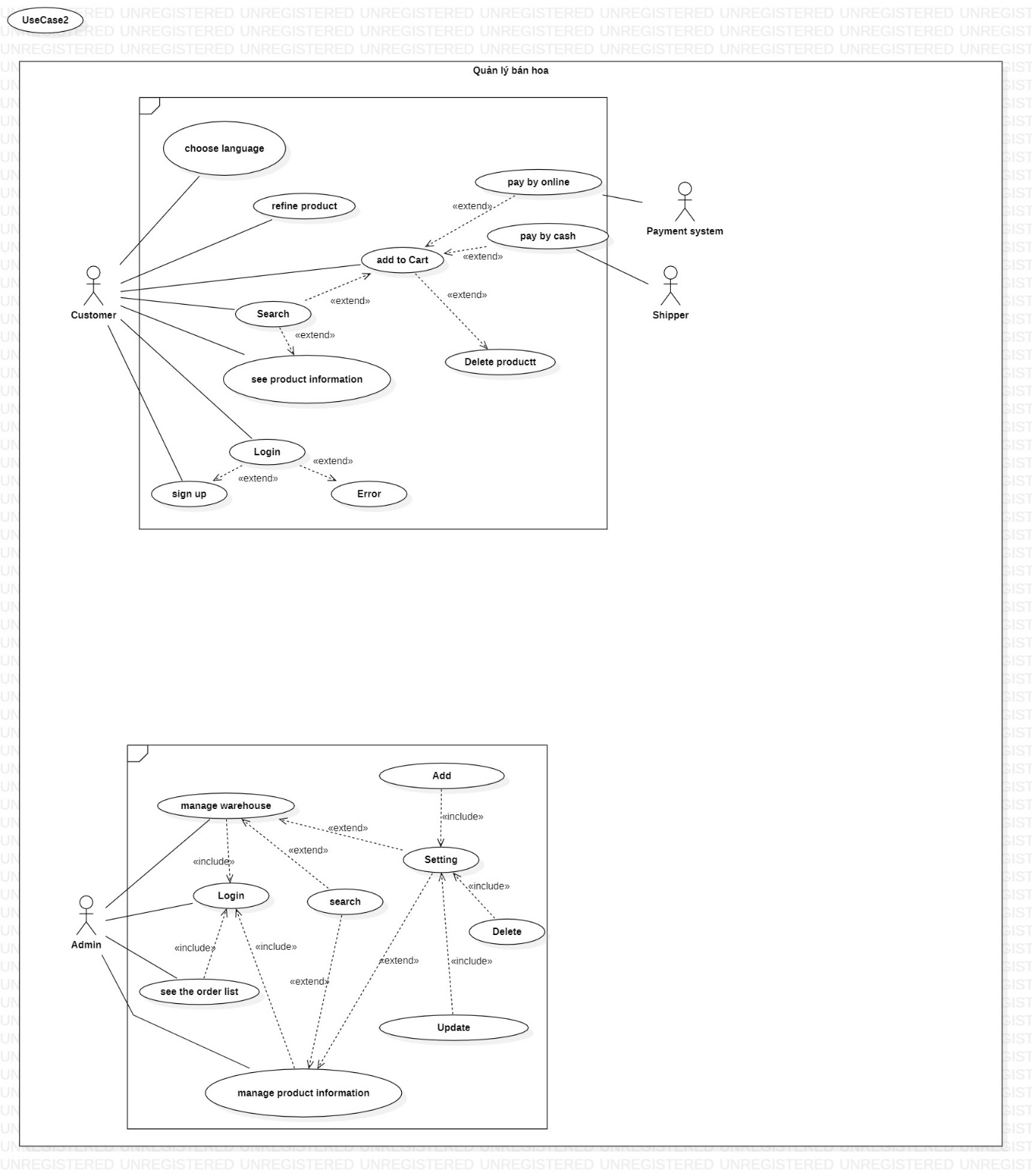
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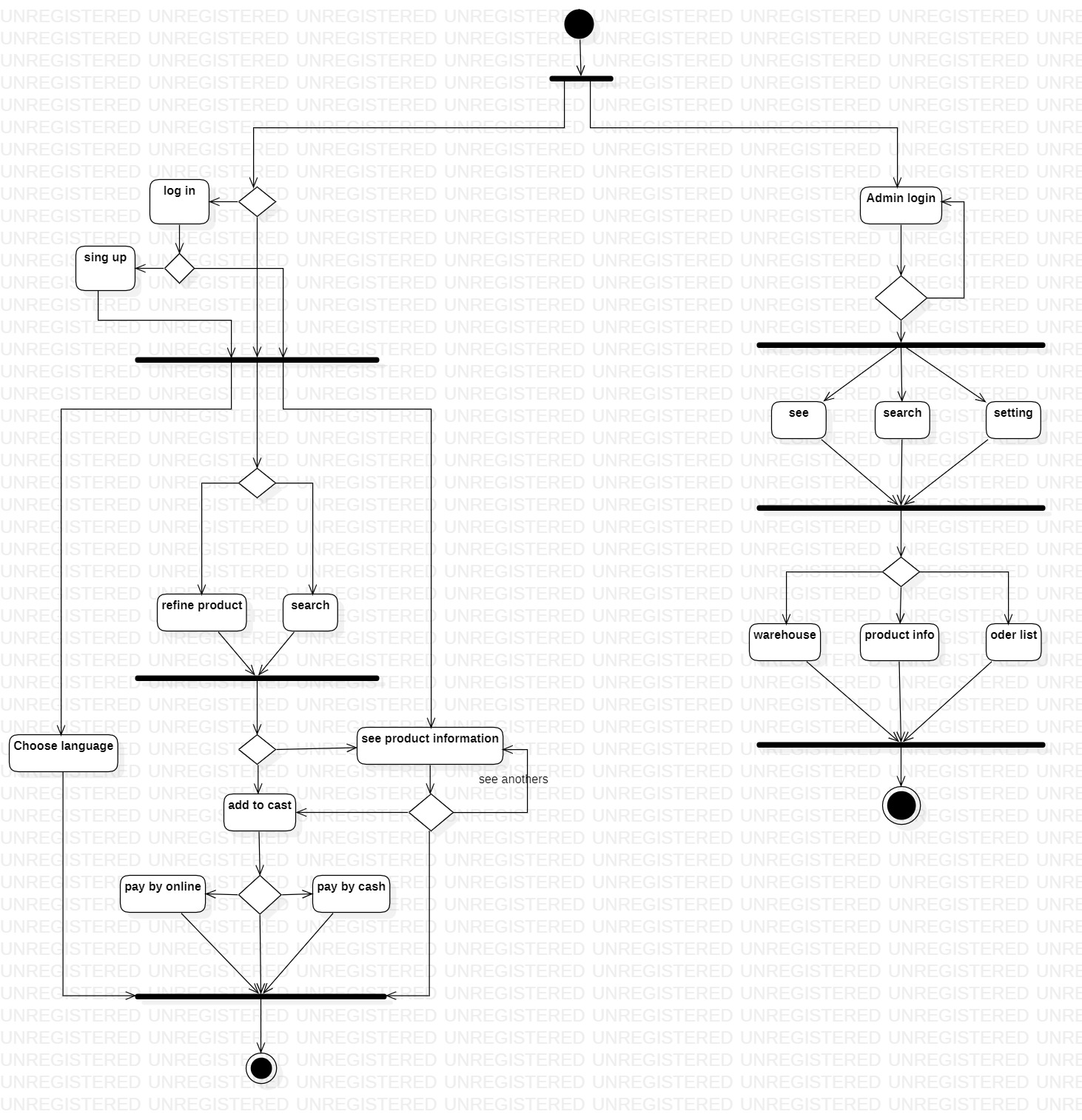
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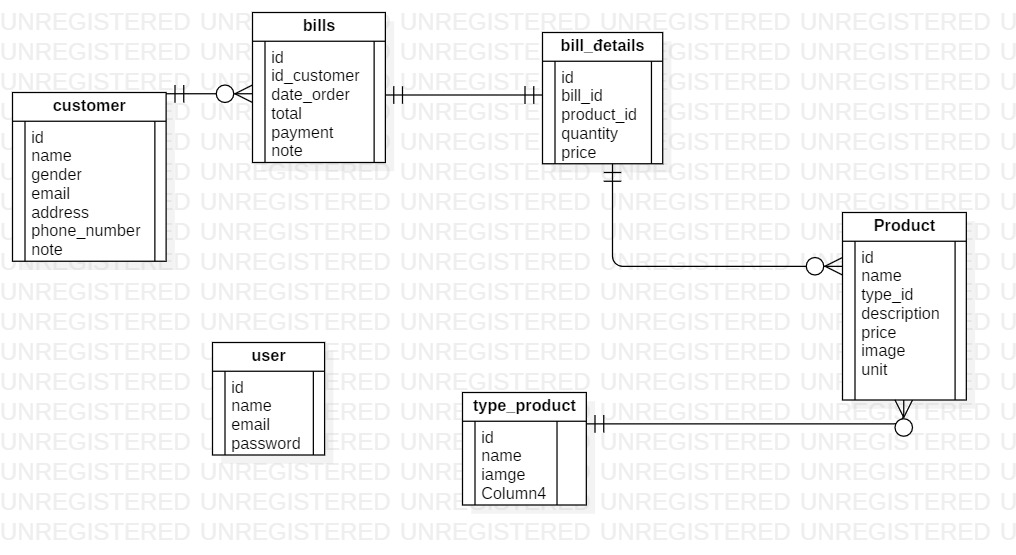
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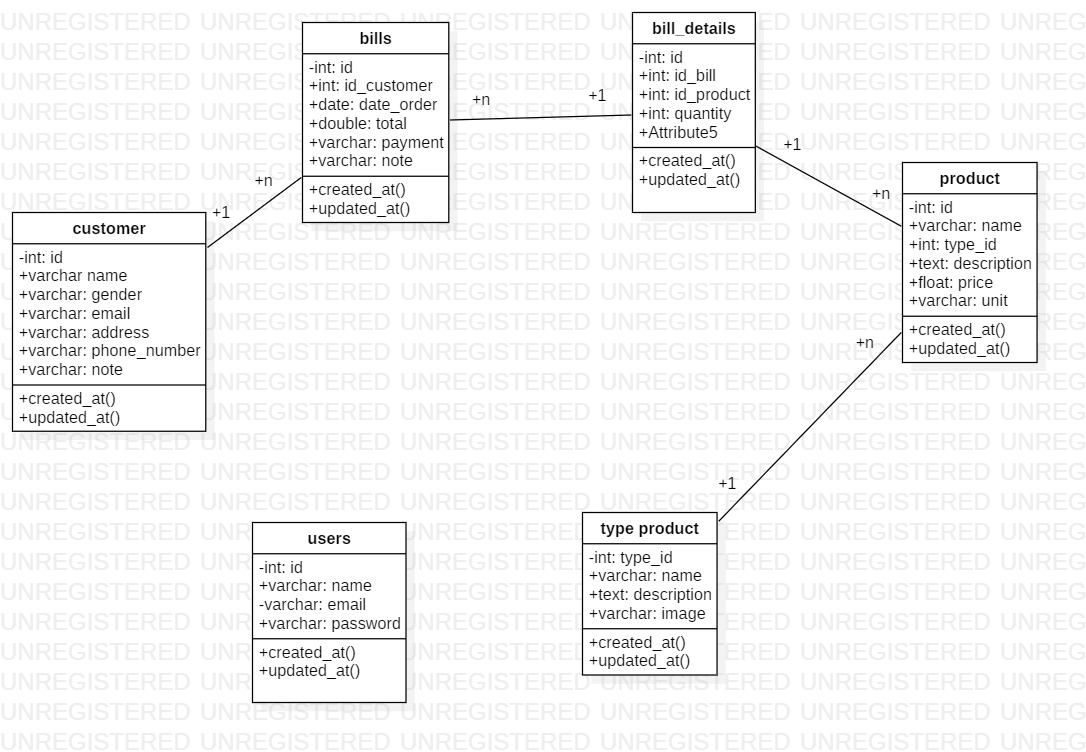
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| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Module/**  **Screen** | **Description** | **Creator** | **Create date** | **Answer** | **Answer date** | **Status** |
| **1** | Log in | When customers fill in username and password, if the username or password wrong. Then what should we do in this, we offer 2 this way:  .Plan 1: Check if they wrong password or username or both, then show clearly what they wrong.  Plan 2: We just show for customer that they import something wrong. |  |  |  |  |  |
| **2** | Sign up | . In sign up page, customer must fill basic information like:  -Name  -Username  -Password  . Then what customers should fill more information.  . Can you choose what customers when sign up should fill more; chooses what they fill below:  -Email  -Address  -Phone  -Gender  -Age  -Birthday |  |  |  |  |  |
| **3** | Sign up | . As we can see, when customers want to create account, should we accept for customers to sign up and log in by using facebook or gmail? |  |  |  |  |  |
| **4** | Refine product | . As we known, many customers want to refine product they want like: type of flowers, color of flowers.  . Did customers want to refine any different tags, we have some choices here:  -Flowers from seasons  -Flowers from event  -Meaning of flowers  -Remember flowers  -Flowers of love  -Birthday flowers |  |  |  |  |  |
| **5** | See product information | . In website, each flower sell in shop customers can see some basic information about that flower.  . But we don’t know what information should show.  . Can you give us some detail about information should show to customers.  . We have some example: tags of flower, quantity, color have. |  |  |  |  |  |
| **6** | Add to cart | .When customers add to cart, if they turn off website before buy then I understand this situation in 2 way:  - If customer have account, products have add in cart will save.  - If customer don’t use account, products have add in cart will disappear  .Does It correct? |  |  |  |  |  |
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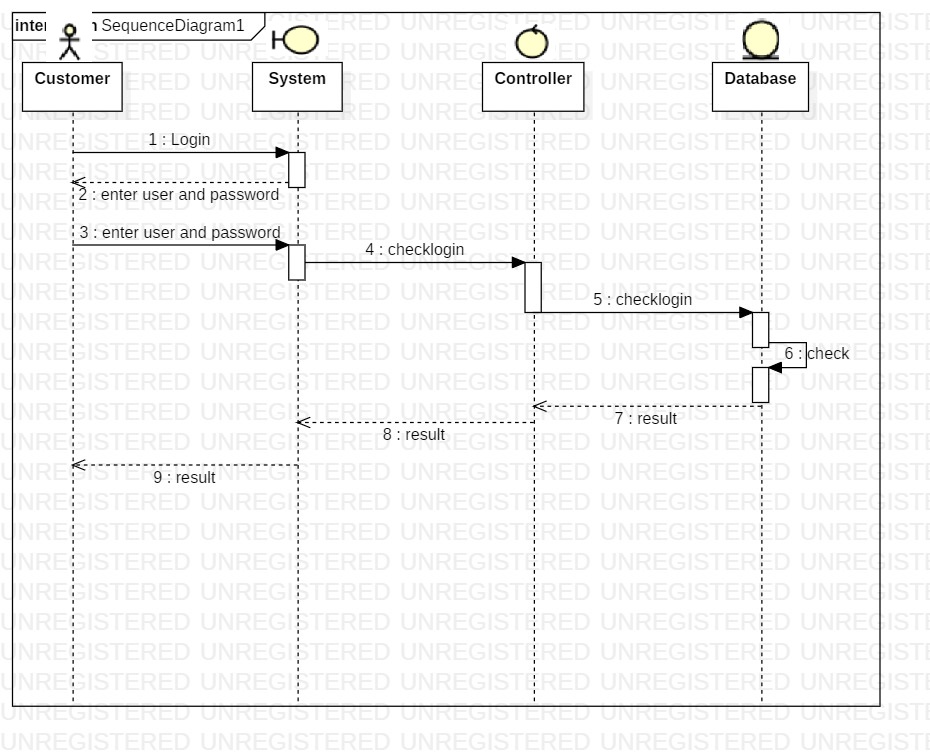
**CHAPTER 2 –**

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**CHAPTER 3: USE CASE SPECIFICATION**

## **3.1. Log in(customer):**

|  |  |
| --- | --- |
| **ID:** | **1** |
| **Title:** | Online Flowers shop log in |
| **Description:** | . Customer can be a member by create account and have many other benefits |
| **Primary Actor:** | . Customers  . System |
| **Preconditions:** | . System must save and protect password for users.  . User have account.  . User sign in right username and account. |
| **Postconditions:** | . When account holder log out.  . Users don’t have account.  . Users get wrong password or username. |
| **Main  Success Scenario:** | . As customer, they can get discount in some events and other benefits. |
| **Extensions:** | . If customers don’t have account, they can go to Sign up page  . If users sign in wrong, system will notification for user to know in Error |
| **Priority:** | . User must fill all necessary information |

## **3.2. Sign up:**

|  |  |
| --- | --- |
| **ID:** | **2** |
| **Title:** | Become member in shop |
| **Description:** | . When customer want to become member and get a lot of benefits. They can fill necessary information and create account. |
| **Primary Actor:** | . Customers |
| **Preconditions:** | . Fill all and correct information |
| **Postconditions:** | . Click sign up to create account  . Go back if they don’t want to create account anymore |
| **Main  Success Scenario:** | . All fill in information is correct  . Customer click to submit. |
| **Extensions:** | . Wrong type of username.  . Wrong type of password  . Information unacceptable  . Lost internet before click submit |
| **Frequency of Use:** | . Customer want become member. |

## **3.3. Error:**

|  |  |
| --- | --- |
| **ID:** | **3** |
| **Title:** | Display error |
| **Description:** | . When users fill wrong password or username, system will say for customer that users use wrong account. |
| **Primary Actor:** | . System |
| **Preconditions:** | . Wrong password.  . Wrong username. |
| **Postconditions:** | . User fill right username and password. |

## **3.4. Refine products:**

|  |  |
| --- | --- |
| **ID:** | **4** |
| **Title:** | Shop refine products |
| **Description:** | . Customers can choose what type of flowers, type, color, meaning to find flower they want. |
| **Primary Actor:** | . Customers |
| **Main  Success Scenario:** | . Show all flowers that have categories users choose |
| **Frequency of Use:** | When customers want to find what type of flowers they want |

## **3.5. Add to cart:**

|  |  |
| --- | --- |
| **ID:** | **5** |
| **Title:** | Flowers cart |
| **Description:** | . Customers after search and finding for long time. They finally choose product to buy. But they still want to find the better products and want to save this product as a backup. Buyer will add this product to cart and they can go to find another flowers. |
| **Primary Actor:** | . Customers  . System |
| **Preconditions:** | . Must have flowers that customers want to buy |
| **Postconditions:** | . No stuff that customer wants to buy  . Customers purchase merchandise in cart |
| **Main  Success Scenario:** | . Show all flowers that customers add. |
| **Frequency of Use:** | . Every customer before buy flowers must do. |

## **3.6. See product information:**

|  |  |
| --- | --- |
| **ID:** | **6** |
| **Title:** | View information of flowers |
| **Description:** | . After choose flower, user can see some basic information of that flower. |
| **Primary Actor:** | . Users  . System |
| **Frequency of Use:** | . Every time customer click to the flower picture |

## **3.7. Delete product:**

|  |  |
| --- | --- |
| **ID:** | **7** |
| **Title:** | Delete product in cart |
| **Description:** | After add some product to cart, if user don’t like any products in cart, they can delete it. |
| **Primary Actor:** | . Customers  . System |
| **Preconditions:** | . Have product in cart |
| **Postconditions:** | . No product in cart  . Customer click to buy stuff in cart |
| **Main  Success Scenario:** | . The product which customer click delete will disappear |
| **Frequency of Use:** | . When customer don’t want to buy product which already add in cart |

## **3.8. Choose language:**

|  |  |
| --- | --- |
| **ID:** | **8** |
| **Title:** | Language choosing |
| **Description:** | . User can choose different kind of language display on website. |
| **Primary Actor:** | . Users |

## **3.9. Search:**

|  |  |
| --- | --- |
| **ID:** | **9** |
| **Title:** | Online flower shop search bar |
| **Description:** | . Users write name off flower in search bar and system will show all flowers with that name. |
| **Primary Actor:** | . System  . Users |
| **Preconditions:** | . Right key word |
| **Main  Success Scenario:** | . User will see all flowers have name same as key word they search |
| **Extensions:** | . See product information  . Add to cart |
| **Frequency of Use:** | . When user want to find flowers they want to buy in the fast way |
| **Priority:** | . Flowers that customers search must have at shop |

## **3.10. Pay by online:**

|  |  |
| --- | --- |
| **ID:** | **10** |
| **Title:** | Online purchase |
| **Description:** | . After customers add flowers they want to buy in cart, they can click ‘Buy’ to begin purchase.  . Customers can choose what type of purchase they want to use, like: VISA, online bank, …. |
| **Primary Actor:** | . Customers  . Payment system |
| **Preconditions:** | . Must have merchandise to begin purchase  . Admin must know that someone buy flowers.  . Shop must have internet banking account. |
| **Postconditions:** | . Money send to shop online banking account  . Customers don’t want to buy anymore. |
| **Main  Success Scenario:** | . Money will send to shop and shipper will deliver flowers to customers |
| **Frequency of Use:** | . When customers want to buy flowers at home |

## **3.11. Pay by cast:**

|  |  |
| --- | --- |
| **ID:** | **11** |
| **Title:** | Store purchase |
| **Description:** | . Customers come to store and buy flowers.  . Customers buy flowers at home and pay through the shipper. |
| **Primary Actor:** | . Salesman  . Shipper  . Customers |
| **Preconditions:** | . Customers buy flowers and request to pay through shipper.  . Customers buy flower at store |
| **Postconditions:** | . Customer get flowers.  . Shipper/salesman get money. |
| **Main  Success Scenario:** | . Customer order flowers, then shipper will pic it to the address that customers say.  . When customers at store, they just need give money to salesman and they can get flowers. |
| **Frequency of Use:** | . Customers don’t have internet banking or VISA want to buy flowers.  . Customers want to see real flowers at store. |

## **3.12. Log in (admin):**

|  |  |
| --- | --- |
| **ID:** | **12** |
| **Title:** | Admin log in |
| **Description:** | . This log in for admin to managed shop such as: warehouse management, money, member, employees, order list, product information, setting the product. |
| **Primary Actor:** | . Admin  . System |
| **Preconditions:** | . Manager of shop must have admin account to manage all shop and members. Must have security to protect account. |
| **Postconditions:** | . When admin log out.  . Admin forgets password or username |
| **Main  Success Scenario:** | . As admin, they can manage shop |
| **Frequency of Use:** | . Manager must log in every time any new merchandise come in shop or change information about shop and merchandise |
| **Priority:** | . Admin must have account first and can add, update, delete merchandise.  . Only one account are available for admin. |

## **3.13. Manage warehouse:**

|  |  |
| --- | --- |
| **ID:** | **13** |
| **Title:** | Warehouse management |
| **Description:** | . Every new merchandise come in shop, admin will save this merchandise as type of flowers, quantity, date time go in warehouse |
| **Primary Actor:** | . Admin |
| **Preconditions:** | . Admin must log in to manage the merchandise. |
| **Postconditions:** | . No merchandise go in warehouse. |
| **Main  Success Scenario:** | . All new merchandise will save in warehouse and control by admin. It will save as quantity of each type, day and time this merchandise go in warehouse, money buy flowers, price when sell. |
| **Extensions:** | . Add merchandise  . Delete  . Update merchandise  .Search |
| **Frequency of Use:** | . Every time new merchandise come to warehouse |

## **3.14. See the order list:**

|  |  |
| --- | --- |
| **ID:** | **14** |
| **Title:** | Customers order list |
| **Description:** | . As admin, you can see list of history that customers buy flowers.  . It will show buyer name, address to deliver, what kind of flowers, quantity, price. |
| **Primary Actor:** | . Admin |
| **Preconditions:** | . Admin must log in first |

## **3.15. Manage product information:**

|  |  |
| --- | --- |
| **ID:** | **15** |
| **Title:** | Manage information of flowers |
| **Description:** | . Show information of flower  . Admin can add, delete, update the information of flowers in shop. |
| **Primary Actor:** | . Admin |
| **Preconditions:** | . Admin must log in |
| **Postconditions:** | . Admin save every change information.  . Admin delete flowers. |
| **Extensions:** | . Search  . Add  . Delete  . Update |
| **Frequency of Use:** | . Admin want to change information of flowers.  . New kind of flower sell in shop and admin must add more detail about it. |

## **3.16. Add :**

|  |  |
| --- | --- |
| **ID:** | **16** |
| **Title:** | Save detail |
| **Description:** | . Every time admin have new merchandise, new flowers; admin can add more detail about it.  . Add information to warehouse if new merchandise have import. |
| **Primary Actor:** | . Admin  . System |
| **Preconditions:** | . Admin must log in to online shop.  . Have import new flower. |
| **Postconditions:** | . Don’t have new flowers.  . No new merchandise come in warehouse. |
| **Main  Success Scenario:** | . After import new flowers to shop, admin will fill information to manage warehouse. Then upload new information about these flowers to database. |
| **Frequency of Use:** | . New flower sell in shop. |

## **3.17. Delete:**

|  |  |
| --- | --- |
| **ID:** | **17** |
| **Title:** | Delete |
| **Description:** | . When admin find some flower aren’t in warehouse, so admin can delete it from shop page.  . Some flowers information get wrong, admin will delete that information. |
| **Primary Actor:** | . Admin  . System |
| **Preconditions:** | . Admin must log in to use this. |
| **Postconditions:** | . No wrong information.  . All products in warehouse are in shop. |
| **Main  Success Scenario:** | . Flowers after delete will disappear from shop and warehouse.  . Detail that already delete from some flower won’t show whenever customer choose that flower. |
| **Frequency of Use:** | . Wrong detail about flowers.  . Don’t have flower never appear in warehouse but have it on shop |

## **3.18. Update:**

|  |  |
| --- | --- |
| **ID:** | **18** |
| **Title:** | Update detail |
| **Description:** | . When admin find that in manage warehouse, merchandise have wrong quantity or type, price, ..etc.. He/she will change it to correct information.  . The basic information about flower get wrong, admin will update again these information to correct it. |
| **Primary Actor:** | . Admin  . System |
| **Preconditions:** | . Admin must log in |
| **Postconditions:** | . Admin already change the wrong one. |
| **Main  Success Scenario:** | . Information or detail change for old one to new one. |
| **Frequency of Use:** | . Admin find wrong information and want to change it. |