**Software**

**Requirements**

**Specification**

**for**

**<Binh Tay Market App>**

**Prepared by <Group\_NgocThu>**

**<29/11/2021>**

|  |  |  |
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# Introduction

## Purpose

The purpose of this document is to build an online sales system based on AI technology connected to Binh Tay market

## Document Conventions

|  |  |
| --- | --- |
| Term | Definition |
| AI | Artificial Intelligence |
| 3D | Three-dimensional |

## Intended Audience and Reading Suggestions

This is a specification document for Binh Tay Market App, the document is made under the guidance of the lecturer. This document is intended for customers, developers and testers.

## Product Scope

The purpose of this sales system is to allow buyers to easily access and buy products from Binh Tay market with convenient support from AI, sellers can easily post available products at the market to increase their popularity. accessible to customers who do not go to the market to buy directly.

## References

*IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications. IEEE Computer Society, 1998.*

*Software Requirement Specification with example:*

[*https://krazytech.com/projects/sample-software-requirements-specificationsrs-report-airline-database?fbclid=IwAR3CGxy2LYeVlkXCSN6P9oC849128wGLcQ7NO83Z9-c4byl0U78nW01f3oc*](https://krazytech.com/projects/sample-software-requirements-specificationsrs-report-airline-database?fbclid=IwAR3CGxy2LYeVlkXCSN6P9oC849128wGLcQ7NO83Z9-c4byl0U78nW01f3oc)

*Writing a software requirements specification document:*

[*https://medium.com/@enisinanaj/writing-a-software-requirements-specification-document-97d622805aef*](https://medium.com/@enisinanaj/writing-a-software-requirements-specification-document-97d622805aef)

# Overall Description

## Product Functions Requirements

* Search & filter
* Anti-counterfeiting AI scanning technology
* 3D technology for trying on clothes online
* Locate the address
* Provide facial recognition images for drone delivery
* Online payment
* AI confirm orders automatically
* Multi-platform support

## User Classes and Characteristics

Chart, diagram

Description automatically generated

## Operating Environment

* Android
  + RAM: 2GB or higher
  + Android version 4.0.3 or higher
  + More than 300MB of free memory space
* IOS:
  + Version 8.0 and above
  + Free space of 400MB or more
* Windows

# External Interface Requirements

## User Interfaces

* Front-end software: React Native
* Back-end software: .NET Core
* Database software: MySQL

## Hardware Interfaces

* Windows
* IOS
* Android

# System Features

## Login

### Overview

* This screen is used to login to BinhTayMarketApp

### Actors

Customer, salesman

### Use-case diagrams

Chart

Description automatically generated with medium confidence

#### Pre-condition

* User must have account BinhTayMarketApp

#### Post-condition

* Display homegape

#### Triggers

* Clicks on the “Login as” button on the login form

### Workflows

|  |  |  |
| --- | --- | --- |
| Scenario | Actor | System |
| 1. User successfully login | 1.1. Go to this login form | 1.2. Display login form |
| 1.3 Enter username, password and click login button or click login with social media account (facebook, google, twitter) | 1.4 Display homepage |
| 2. User inputs invalid data | 2.1 Go to this login form | 2.2 Display login form, keep the contents of the previous fields and remove the contents of fields containing invalid input |
| 2.3 Enter username, password and click login button or click login with social media account (facebook, google, twitter) | 2.4 Dialog error messages of invalid fields will be displayed at the center of screen |

### External interfaces:

#### Activity Diagram:

Diagram, engineering drawing

Description automatically generated

#### Prototype:

Graphical user interface, application

Description automatically generated

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Username | Textbox | Yes | Text | Blank | Username contains minimum 6 characters, maximum 40 characters |
| 2 | Password | Textbox | Yes | Text | Blank | Password contains minimum 6 characters, maximum 40 characters |
| 3 | Login as customer | Link label | Yes | Text | N/A | Select the login status as a customer |
| 4 | Login as salesman | Label | Yes | Text | N/A | Select the login status as a salesman |
| 5 | Forgot password | Link label | Yes | Text | N/A | Link to change password form |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Button | | | | | | |
| 1 | Login with Facebook | button | Yes | N/A | N/A | Login with Facebook account |
| 2 | Login with Gmail | Button | Yes | N/A | N/A | Login with Google account |
| 3 | Login with Twitter | button | Yes | N/A | N/A | Login with Twitter account |
| 4 | Sign up | button | Yes | N/A | N/A | Login with username and password |

## Register form

### Overview

* This screen is used to sign up account

### Actors

* Salesman and Customer

### Use-case diagrams

Diagram

Description automatically generated

#### Pre-condition

* User must open BinhTayMarketApp

#### Post-condition

* User will be able to BinhTayMarketApp

#### Triggers

#### Clicks on the “Sign up” button on the login form

### Workflows

|  |  |  |
| --- | --- | --- |
| Scenario | Actor | System |
| 1. User successfully sign up | 1.1. Go to this Register form | 1.2. Display Register form |
| 1.3. Enter all textbox, choose gender in combobox gender, then click “next” | 1.4 Show next screen |
| 1.5 Add a front of ID photo and behind ID-card photo, then click sign up button | 1.6 Show success message |
| 2. User inputs invalid data | 2.1 Go to this Register form | 2.2 Display Register form, keep the contents of the previous fields and remove the contents of fields containing invalid input |
| 2.3 Re-enter the wrong fields, then click “next” | 1.4 Show next screen, keep a front of ID photo and behind ID-card photo |
| 2.4 Add a front of ID photo and behind ID-card photo, then click sign up button, If you want | 2.4 Dialog error messages of invalid fields will be displayed at the center of screen |

### External interfaces

Diagram

Description automatically generated

#### Prototype:

Graphical user interface, text, application

Description automatically generatedGraphical user interface, application

Description automatically generated

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Firstname | Textbox | Yes | Text | Blank | Maximum 50 characters |
| 2 | Lastname | Textbox | Yes | Text | Blank | Maximum 50 characters |
| 3 | Phone number | Textbox | Yes | Text | Blank | Integer 0-9  9-11 characters |
| 4 | Email | Textbox | Yes | Text | Blank | Must contain @ |
| 5 | Birthday | Datetime picker | Yes | Date | Date | Format date dd/MM/yyyy |
| 6 | Gender | Combo box | Yes | Text | Male | Select gender |
| Picture box | | | | | | |
| 7 | Front | Picture box | Yes | Image | Blank | Contains the front of the ID card |
| 8 | Behind | Picture box | Yes | Image | Blank | Contains the back of the ID card |
| Button | | | | | | |
| 9 | Next | Button | Yes | N/A | N/A | Click to next step |
| 10 | Sign up | Button | Yes | N/A | N/A | Click to sign up |

## Search

### Overview

* This screen is used to search products

### Actors

* Salesman and customer

### Use case diagram

Diagram

Description automatically generated

#### Pre-condition

* User must click search box

#### Post-condition

* Products will display on the screen

#### Triggers

#### Clicks on the “Search” button

### Workflows

|  |  |
| --- | --- |
| Actor | System |
| 1.1. Go to this search form | 1.2. Display search form, search history and recommended keyword |
| 1.3. Enter tagname, categries, product name | 1.4 Show the respective products |

### External Interfaces

#### Activity-diagram

Diagram

Description automatically generated

#### Protype

Graphical user interface, text

Description automatically generated

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Searchbox | Textbox | Yes | Text | Blank | Search content |
| 2 | Voice recognition | Icon | No | N/A | N/A | Convert speech to text in search input |
| 3 | History | List | No | Text | Text | History search list |
| 4 | Most searched products | List | Yes | Text | Text | Most searched products |
| Button | | | | | | |
| 5 | Search | Button | Yes | N/A | N/A | Click to execute search progress |
| 6 | Cart | Button | Yes | N/A | N/A | Click to show cart |

## Update profile (Đức Trí)

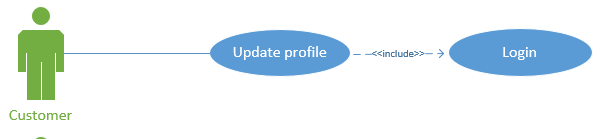
### Overview

* This screen is used to update profile

### Actors

* Customer

### Use-case diagrams



#### Pre-condition

* Login Account

#### Post-condition

* Update profile form will be dispayed

#### Triggers

* User click on “User Profile” button

### Activity diagram:

Diagram

Description automatically generated

Hình 4.4.4.1 Update profile

### Workflow

|  |  |
| --- | --- |
| Actor | System |
| 1.1. Go to this Update form | 1.2. Display 4.4.6.1.1 screen |
| 1.3. Enter all textbox, choose gender in combobox gender | 1.4 Display 4.4.6.1.2 screen |
| 1.5 Add a front of ID photo and behind ID-card photo to corresponding picture box, then click Done button | 1.6 Show success message |

### External Interfaces

#### Prototype:

Graphical user interface, application

Description automatically generated Graphical user interface, application

Description automatically generated

Hình 4.4.6.1.1 Update profile Hình 4.4.6.1.2 Update profile

#### Screen description:

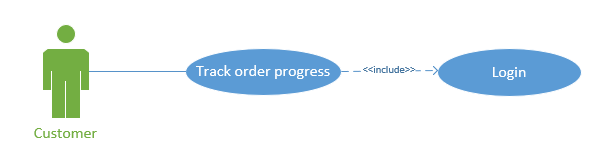
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Firstname | Textbox | Yes | Text | Blank | Maximum 50 characters |
| 2 | Lastname | Textbox | Yes | Text | Blank | Maximum 50 characters |
| 3 | Phone number | Textbox | Yes | Text | Blank | Contains 9-11 characters |
| 4 | Email | textbox | Yes | Text | Blank | Must contain @ |
| 5 | Birthday | datetime picker | Yes | Date | Date | Format date dd/MM/yyyy |
| 6 | Gender | Combo box | Yes | Text | Male | Select gender |
| Picture box | | | | | | |
| 7 | Front | picture box | Yes | Image | Blank | Contains the front of the ID card |
| 8 | Behind | picture box | Yes | Image | Blank | Contains the behind of the ID card |
| Button | | | | | | |
| 9 | Next | button | Yes | N/A | N/A | Next step |
| 10 | Done | button | Yes | N/A | N/A | Complete update profile |

## Track order progress (Đức Trí)

### .Overview

* This screen is used to Track order progress

### Use-case diagram



#### Pre-condition

Login Accout

#### Post-condition

Customer will able to track order progress

#### Triggers

Customer has placed an order and click in Wait for confirmation in Profile

### Activity diagram:

Diagram

Description automatically generated

Hình 4.5.3.1: Track order progress

### Workflows

|  |  |
| --- | --- |
| Actor | System |
| 1.1. Click for more detail | 1.2. Display 4.5.5.1.1 screen |
| 1.3 Click back arrow | 1.4 Display 4.5.5.1.2 screen |

### External interfaces:

#### Prototype:

Graphical user interface, application

Description automatically generated with medium confidence Graphical user interface, application

Description automatically generated

4.5.5.1.1 Track order progress 4.5.5.1.2 Track order progress

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Click for more detail | link label | Yes | Text | Blank | Linking to track progress  screen |
| 2 | Google map | N/A | Yes | N/A | Map | Drone’s location |
| 3 | Delivery information | Text area | Yes | Text | Text | Parcel track |

## Cancel order (Đức Trí)

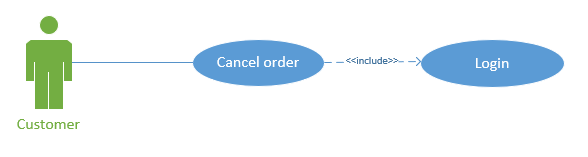
### Overview

* This screen is used to Cancel order

### Actors

* Customer

### Use-case diagram



#### Pre-condition

Login Account

#### Post-condition

Customer will be able to cancel order

#### Triggers

Customer has placed an order and click in “Wait for confirmation” in Profile

### Activity diagram:

Diagram

Description automatically generated

4.6.4.1 Cancel Oder

### Workflows

|  |  |
| --- | --- |
| Actor | System |
| 1.1. Go to Cancel Oder screen | 1.2. Display 4.6.6.1.1 screen |
| 1.3. Click cancel button | 1.4 Show message that customer want to cancel the order or not (4.6.6.1.2) |
| 1.5 Click yes | 1.6 The order will be canceled |
| 1.7 Click no | 1.8 Back to 4.6.6.1.1 screen |

### External interfaces

#### Prototype:

Graphical user interface

Description automatically generated with medium confidence Diagram

Description automatically generated with low confidence

Hình 4.6.6.1.1 Cancel order Hình 4.6.6.1.2 Cancel order

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Product image | Picture Box | Yes | Text | Blank | Maximum 50 characters |
| 2 | Quantity | Input | Yes | Number | 1 | Integer minimum 1 |
| 3 | Price | label | Yes | Number | 0 | Integer minimum 0 |

## View/ Update Shopping Cart (Duy Thanh)

### Overview

This screen is used to view/update cart

### Actors

Customer

### Use-case diagrams

Graphical user interface

Description automatically generated with medium confidence

#### Pre-condition

User must be logged in

#### Post-condition

Update successfully shopping cart

#### Triggers

#### In the homepage interface/product details page click on the button

### Activity diagram

Diagram

Description automatically generated

Image 4.7.4 View/ Update Shopping Cart

### Workflows

|  |  |  |
| --- | --- | --- |
|  | **Actor** | **System** |
| 1. User edit products | 1.1. Click shopping cart icon | 1.2. Display: Show products |
| 1.3 Select items and choose quantity | 1.4 Update items and quantity  Display: items, quantity, delivery cost, total price |
| 2. User click “remove” button | 2.1 Click shopping cart icon | 2.2 Display: Show products |
| 2.3 Click the delete button to the right of the product | 2.4  Case 1: There are no products in the cart- Display: No items in the cart  Case 2: There are products in the cart-  Display: items, quantity, delivery cost,total price |

### External interfaces

#### Prototype:

Cart Homepage

Graphical user interface, application

Description automatically generatedGraphical user interface, application

Description automatically generated

Image 4.7.6.1.1 View/ Update Shopping Cart Image 4.7.6.1.2 View/ Update Shopping Cart

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Empty box | Checkbox | Yes | N/A | Blank | Choose each item |
| 2 | Increase or decrease | Num.Stepper | Yes | Number | 1 | Increase or decrease the amount |
| 3 | Back | Button | Yes | N/A | N/A | Back to product details page/homepage |
| 4 | Purchase | Button | No | N/A | N/A | Pay the bill |
| 5 | Remove | Button | Yes | N/A | N/A | Remove the product from the cart |

## View product details (Duy Thanh)

### Overview

This screen is used view product details

### Actors

Customer

### Use-case diagrams

Text

Description automatically generated

#### Pre-condition

* Customer click on any product

#### Post-condition

* View product detail

#### Triggers

* The homepage interface click on any product

### Activity diagram

Diagram

Description automatically generated

Image 4.8.4 View product details

### Workflows

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Click on any product | 1.2. Display: “product detail” screen. |
|  | 1.3 Display: quantily, price, product image, delivery cost, product reviews, product description |

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Image | Image | Yes | Image | Blank | Product images |
| 2 | Size | Combobox | Yes | Text | S, M, L, XL | Size |
| 3 | Price | Label | Yes | Number | Blank | Product price |
| 4 | Address | Combobox | Yes | Text | Blank | Receiver's address |
| 5 | Delivery cost | Label | Yes | Number | Blank | Delivery cost |
| 6 | Back | Button | Yes | N/A | N/A | Back to product details page |
| 7 | Bell (icon) | Button | Yes | N/A | N/A | Get notification |
| 8 | Shopping cart (icon) | Button | Yes | N/A | N/A | View Customer’s shopping cart |
| 9 | Try on | Button | Yes | N/A | N/A | Try on clothes |
| 10 | Add to cart | Button | Yes | N/A | N/A | Add item to cart |
| 11 | Buy Now | Button | Yes | N/A | N/A | Go to the payment page |
| 12 | View shop | Button | Yes | N/A | N/A | View shop |

### External interfaces

#### Prototype:

Graphical user interface, application

Description automatically generated

Image 4.8.6.1.1 View product details

## Report saleman’s behaviour (Duy Thanh)

### Overview

This screen is used to report saleman’s behaviour

### Actors

Customer

### Use-case diagrams

A picture containing graphical user interface

Description automatically generated

#### Pre-condition

User must be logged in

#### Post-condition

Notification of successful report

#### Triggers

 In the saleman page, click the button to report

### Activity diagram

Diagram

Description automatically generated

Image 4.9.4 Report saleman’s behaviour Workflows

|  |  |  |
| --- | --- | --- |
| **Scenario** | **Actor** | **System** |
| 1. User click “yes” | 1.1. Go to “saleman page” and press the button | 1.2. Show notice “Report this user?” |
| 1.3 Click “Yes” | 1.4 Display “Report form” |
| 1.5 Select reason to report | 1.6 Display “Report description” |
| 1.7 Write content and press button “Report” | 1.8 Show notice “Report successfully” |
| 2. User click “no” | 2.1 Go to “saleman page” and press the button | 2.2. Show notice “Report this user?” |
| 2.3 Click “No” | 2.4 Back to interface “saleman page” |

### External interfaces

#### Prototype:

Shape

Description automatically generatedGraphical user interface, text, application, chat or text message

Description automatically generated

Image 4.9.6.1.1 Report saleman’s behaviour Image 4.9.6.1.2 Report saleman’s behaviour

Text

Description automatically generated Graphical user interface

Description automatically generated

Image 4.9.6.1.3 Report saleman’s behaviour Image 4.9.6.1.4 Report saleman’s behaviour

#### Screen description:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | | Default value | Description |
| 1 | Select Reason | Label | Yes | | Text | Blank | Choose a reason to report |
| 2 | Report Description | Textbox | Yes | | Text | Blank | Maximum 50 characters  Detail the content of the report |
| 3 | Back | Button | Yes | | N/A | N/A | Back to saleman’s page |
| 4 | Report | Button | Yes | | N/A | N/A | Send report |

## Place an order (Ngọc Thư)

### Overview

Purchase the products in the cart

### Actors

Customer, salesman

### Use-case diagrams

A picture containing graphical user interface

Description automatically generated

#### Pre-condition

User added product into cart

#### Post-condition

Notification of successful order payment

#### Triggers

Click on “Purchase” button

### Workflows

|  |  |  |
| --- | --- | --- |
| **Scenario** | **Actor** | **System** |
| 1. Customer change address | 1.1 Click on “Purchase” button | 1.2 Display “Purchase” screen |
| 1.3 User edit the address | 1.4 Display “Edit Address” screen |
| 1.5 Choose city, district, ward.. informtion form combobox. |  |
| 1.6 Click “Done” | 1.7 Turn back to Purchase screen |
| 1.8 Click on “Next” button | 1.9 Display “Order Payment” screen |
| 1.10 Fill in card number, expiration date and CVV. |  |
| 1.11 Click “Done” | 1.12 Validate card, show “Payment complete” if card is valid, else show “Payment fail” |
| 2. Customer doesn’t change address | 2.1 Refer to step 1.1 | 2.2 Refer to step 1.2 |
| 2.3 Refer to step 1.8 | 2.4 Refer to step 1.9 |
| 2.5 Refer to step 1.10 |  |
| 2.6 Refer to step 1.11 | 2.7 Refer to step 1.12 |

### External interfaces

#### Activity diaram

Diagram

Description automatically generated

#### Prototype:

Graphical user interface, application

Description automatically generated Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Your address | Label | Yes | Text | N/A | Display delivery address |
| 2 | Change | Link label | Yes | Text | N/A | Click to change address |
| 3 | Delivery unit | Label | Yes | Text | Blank | Name of the delivery unit |
| 4 | Total | Label | Yes | Text | Blank | Total price of all product |
| 5 | Delivery cost | Label | Yes | Text | Blank | Delivery cost |
| 6 | Total payment | Label | Yes | Text | Blank | Sum of total price and delivery cost |
| 7 | City | Combobox | Yes | Text | List of 63 city/province | Define all city in VN |
| 8 | District | Combobox | Yes | Text | List district of the above selected city | Indicate address’s district |
| 9 | Street | Textbox | Yes | Text | Blank | Specify the street |
| 10 | Done | Button | Yes | N/A | N/A |  |
| 11 | Card number | Textbox | Yes | Text | Blank | Number in the front of the card |
| 12 | Expiration date | Datetime picker | Yes | Datetime | Current date | Expiration date of the card |
| 13 | CVV | Textbox | Yes | Number | Blank | Card Verification Value |
| 14 | Next | Button | Yes | N/A | N/A | Button for completing order |

## Virtual try on clothes (Ngọc Thư)

### Overview

Virtual try on is used to help customer easily to figure out his/her image when wearing this cloth.

### Actors

System

### Use-case diagrams

A picture containing graphical user interface

Description automatically generated

#### Pre-condition

Choose to see cloth product detail

#### Post-condition

Display 3D body image

#### Triggers

In “Product cloth detail” screen , user click “Try on” button

### Workflows

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1.1. Go to “Cloth detail” screen | 1.2. Display “Cloth detail” screen. |
| 1.3 Click on “Try on” button | 1.4 Display 3D image |
| 1.5 Click back arrow | 1.6 Turn back to product detail page |

### External interfaces

#### Activity diaram

Diagram

Description automatically generated

#### Prototype:

Application

Description automatically generated

#### Description

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Price | Label | Yes | Text | N/A | Price of product |
| 2 | Size | Combobox | Yes | Text | S, M, L, XL | Size of cloth |
| 3 | Address | Combobox | Yes | Text | Current location | Address of customer |
| 4 | Delivery cost | Label | Yes | Text | Blank | Delivery cost of the selected address |
| 6 | Try on | Button | Yes | N/A | N/A | Button for display try on image |
| 7 | Add to cart | Button | Yes | N/A | N/A | Add this product to cart |
| 8 | Buy now | Button | Yes | N/A | N/A | Quickly order this product without going to cart |
| 9 | View shop | Button | Yes | N/A | N/A | Click to see this shop |

## Add new product (Ngọc Thư)

### Overview

Add new product

### Actors

Salesman

### Use-case diagrams

Diagram

Description automatically generated

#### Pre-condition

Salesman clicked on view “My shop”

#### Post-condition

Products are added to the database

#### Triggers

Click on “Add new products”

### Workflows

|  |  |  |
| --- | --- | --- |
| **Scenario** | **Actor** | **System** |
| 1.User successfully add new product | 1.1. Go to “Add new products” screen | 1.2. Display “Add new products” screen. |
| 1.3 Fill all information about this product |  |
| 1.4 Salesman attach image and QR code by clicking icon |  |
| 1.5 Click on “Add” button | 1.6 Validate the barcode and image. Show success message. Add product to products catalog and save to database |
| 2. User inputs invalid data | 2.1 Refer to step 1.4 |  |
| 2.2 Refer to step 1.5 | 2.3 Refer to step 1.6 |

### External interfaces

#### Activity diaram

Diagram

Description automatically generated

#### Protype

**Graphical user interface

Description automatically generated**

#### Description

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Price | Label | Yes | Text | N/A | Price of product |
| 2 | Size | Combobox | Yes | Text | S, M, L, XL | Size of cloth |
| 3 | Description | Text area | Yes | Text | Blank | Description of this product |
| 4 | Image | Picturebox | Yes | N/A | N/A | Image of this product |
| 5 | Barcode | Barcode scanner | Yes | N/A | N/A | Barcode of this product |
| 6 | Add | Button | Yes | N/A | N/A | Add new product |

## Confirm order (Ngọc Thư)

### Overview

Salesman can confirm “waiting for confirmation” order

### Actors

Salesman

### Use-case diagrams

A picture containing text

Description automatically generated

#### Pre-condition

Salesman click on view “My shop”

#### Post-condition

Confirmed orderss will be removed from this catalog

#### Triggers

Click on “Wait for confirmation”

### Workflows

|  |  |  |
| --- | --- | --- |
| **Scenario** | **Actor** | **System** |
| 1. User select product | 1.1. Go to “Wait for confirmation” screen | 1.2. Display “Wait for confirmation” screen. |
| 1.3 “Confirm” button | 1.4. Add this order into “Comfirmed order”, dispose this order |
| 1.5 Click on turn back arrow | 1.6 Back to “My shop” screen |

### External interfaces

#### Activity diaram

Diagram

Description automatically generated

#### Protype

Graphical user interface, application

Description automatically generated

#### Description

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Customer .. | Link label | No | Text | N/A | Customer’s username/name |
| 2 | Confirm | Button | No | N/A | N/A | Confirm order |

# Other Nonfunctional Requirements

## Performance Requirements

* The application loads to the homepage within 3 seconds
* The application responds to the user's actions within 2 seconds

## Safety Requirements

* Database does not lose data
* Regular backups
* Encrypted customer information
* Do not show customer password unless customer clicks show password
* Only display the last 4 digits of the customer's bank card account

## Security Requirements

* Two-factor authentication
* Send notification of customer's phone number/email when another device logs in to the account
* The app automatically asks for the password when the customer opens the app after 5 minutes of inactivity
* Login with password, fingerprint, face recognition
* The system always uses Secure Sockets Layer (SSL) in all transactions containing sensitive customer information.

## Software Quality Attributes

* Availability: available goods are sufficient to meet customer needs
* Correctness: accurate display and transmission information: which seller's order information is only transmitted to that seller, the drone recognizes the face correctly before delivering to the customer
* Usability: users can easily use the system without any further complicated instructions

# Other Requirements