**Software**

**Requirements**

**Specification**

**for**

**<Binh Tay Market App>**

**Prepared by <Group\_NgocThu>**

**<21/11/2021>**

|  |  |  |
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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 Perspective

## Product Functions

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

## User Classes and CharacteristicsDiagram 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 (Thái Sơn)

### Overview

* This screen is used to login to BinhTayMarketApp

### Actors

* All project members can login to BinhTayMarketApp

### Use-case diagrams

Diagram

Description automatically generated

#### Pre-condition

* User has registered account

#### Post-condition

* User will be able to use BinhTayMarketApp

#### Triggers

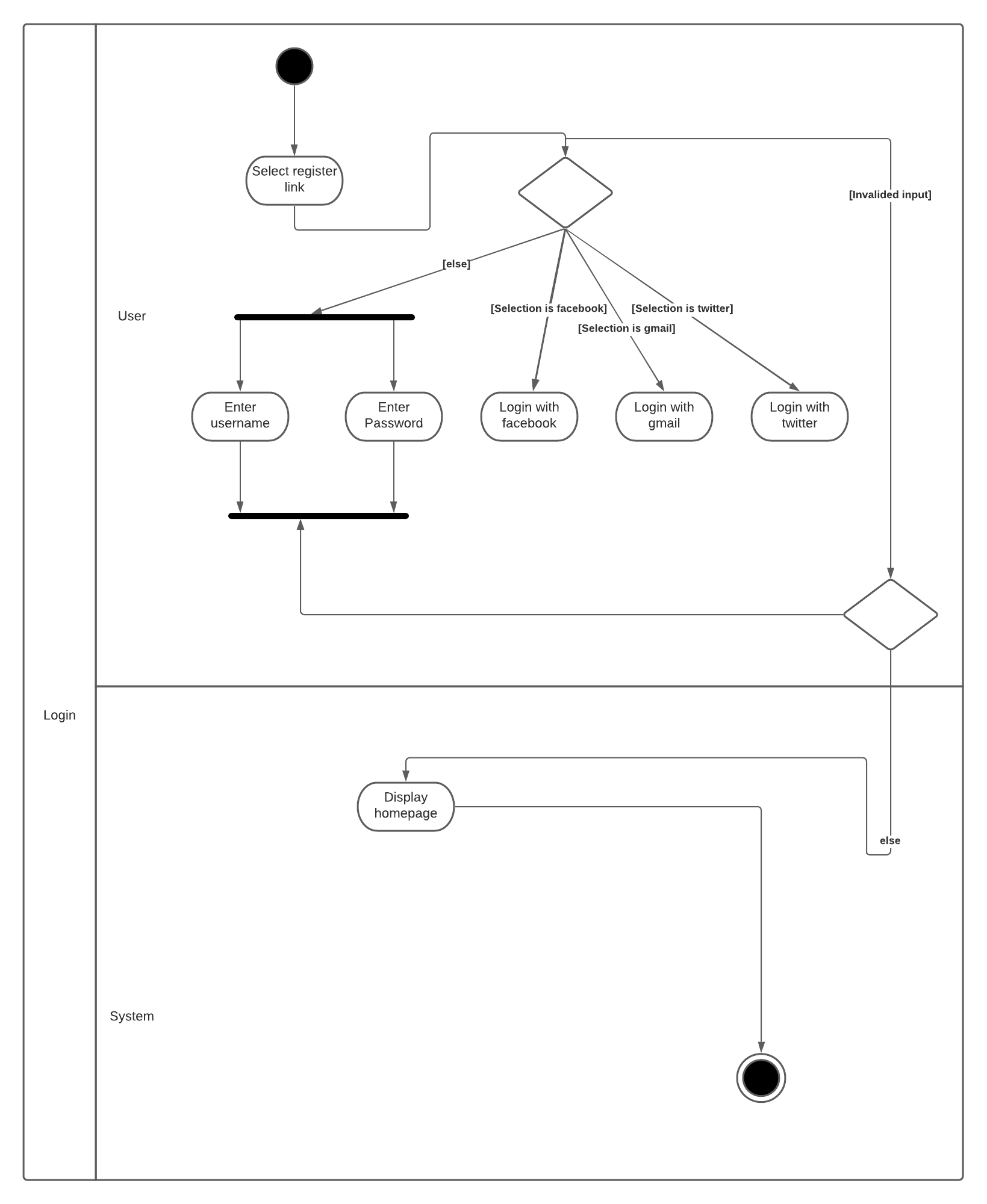
* Clicks on the “Login as” button on the login form

### 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 Refer to step 1.1 | 2.2 Refer to step 1.2 |
| 2.3 Refer to step 1.3 | 2.4 Dialog error messages of invalid fields will be displayed at the center of screen |

### External interfaces:

#### Activity Diagram:



#### 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 (Thái Sơn)

### 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

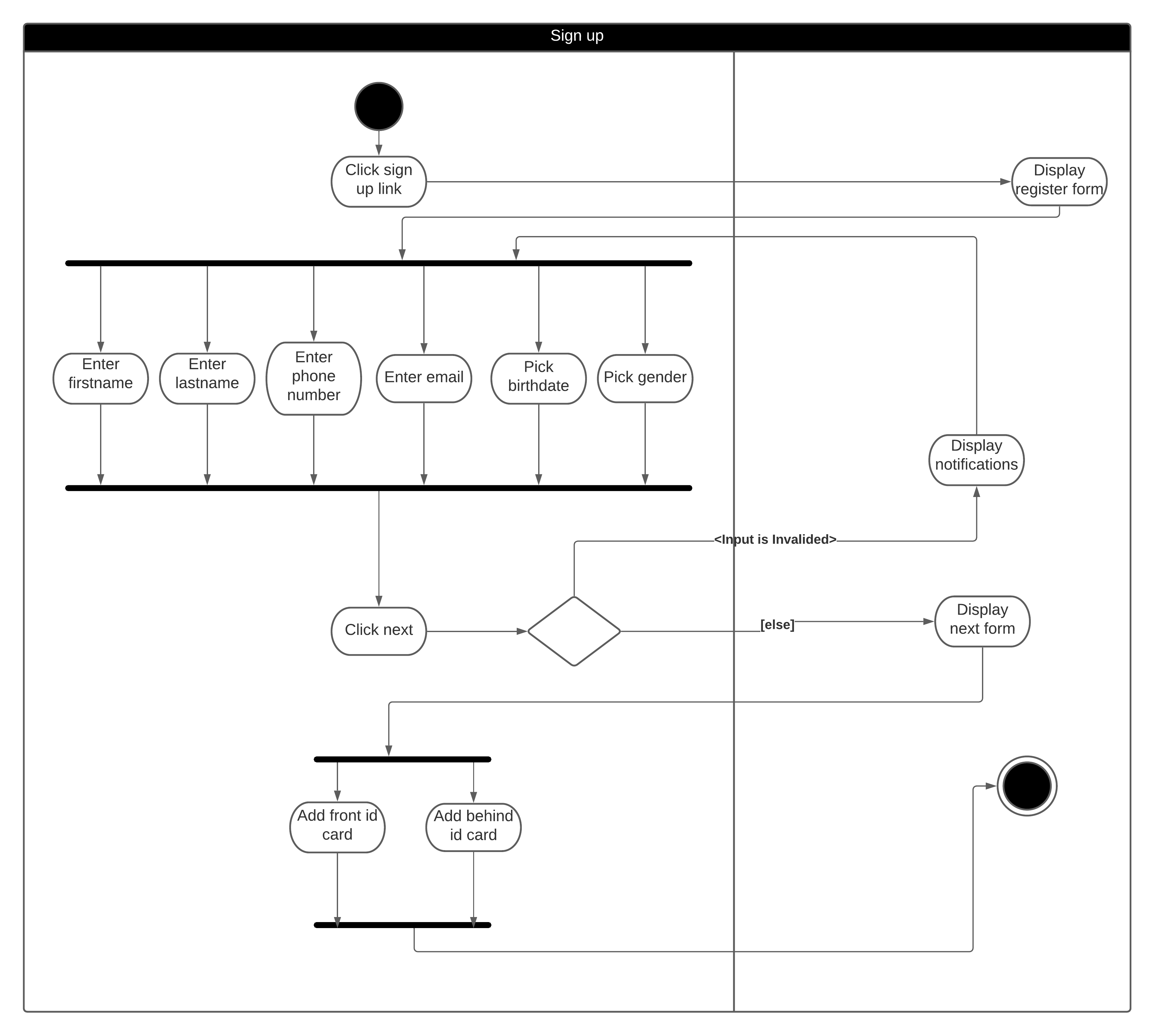
#### Triggers

#### 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 add a front of ID photo and behind ID-card photo, then click sign up button | 1.4 Show success message |
| 2. User inputs invalid data | 2.1 Refer to step 1.1 | 2.2 Refer to step 1.2 |
| 2.3 Refer to step 1.3 | 2.4 Dialog error messages of invalid fields will be displayed at the center of screen |

### External interfaces



#### 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 (Thái Sơn)

### 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

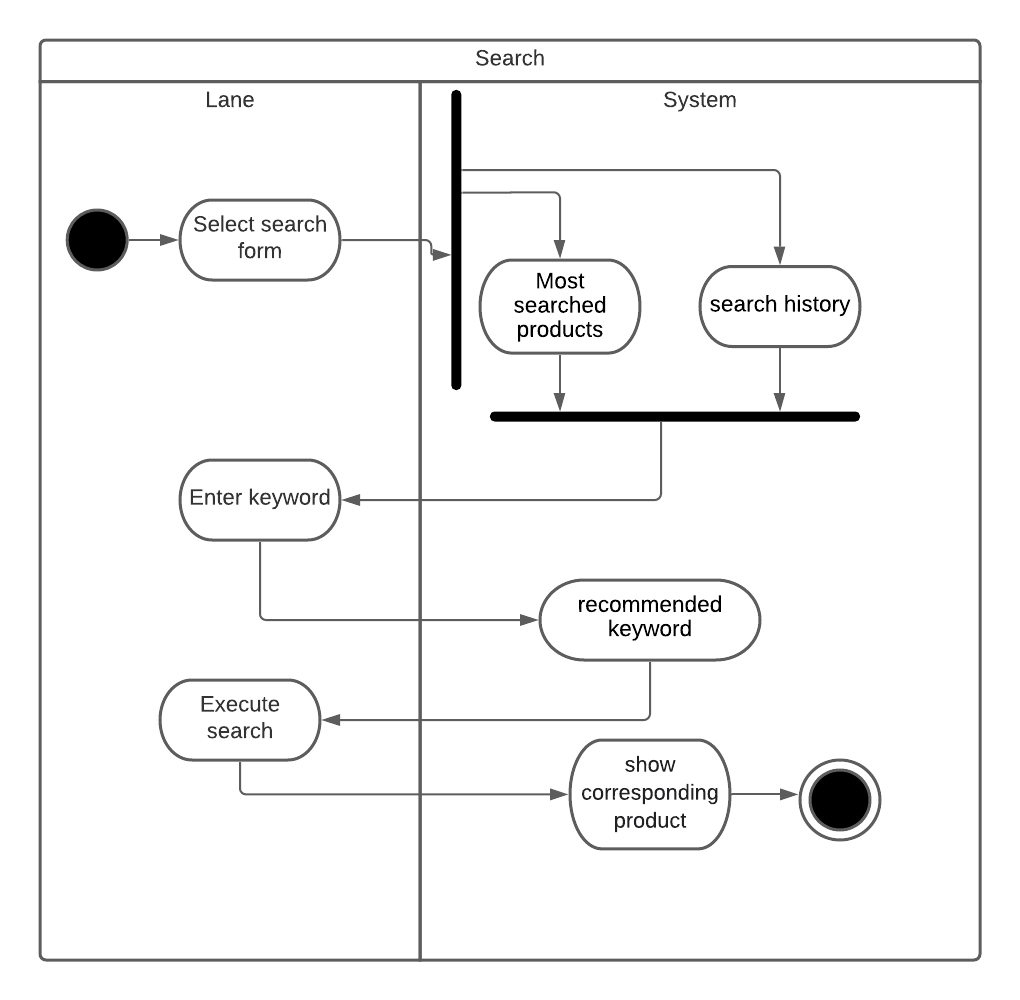
#### Clicks on the “Search” button

### 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



#### 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

* Salesman and Customer

### Use-case diagrams

A picture containing diagram

Description automatically generated

4.3.3.1. Pre-condition

* User click on “Profile” button

4.3.3.2. Post-condition

* Update profile form will be dispayed

4.3.3.3. Triggers

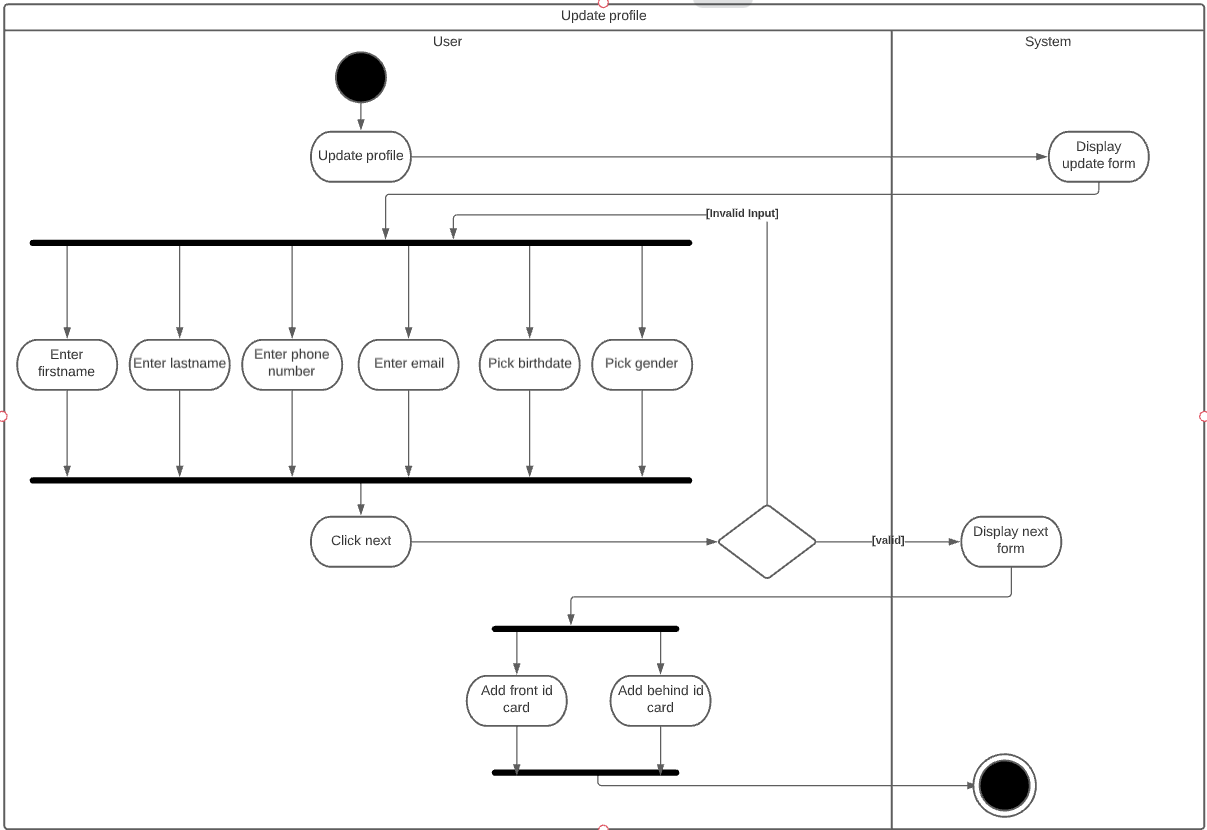
* Clicks on the “Done” button on the update profile form

### Workflow

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

### External Interfaces

#### Activity diagram:



#### Prototype:

Graphical user interface, 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 | 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 | Front image if the ID card |
| 8 | Behind | picture box | Yes | Image | Blank | Behind image if 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

A picture containing text

Description automatically generated

#### Pre-condition

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

#### Post-condition

Customer will able to track order progress

#### Triggers

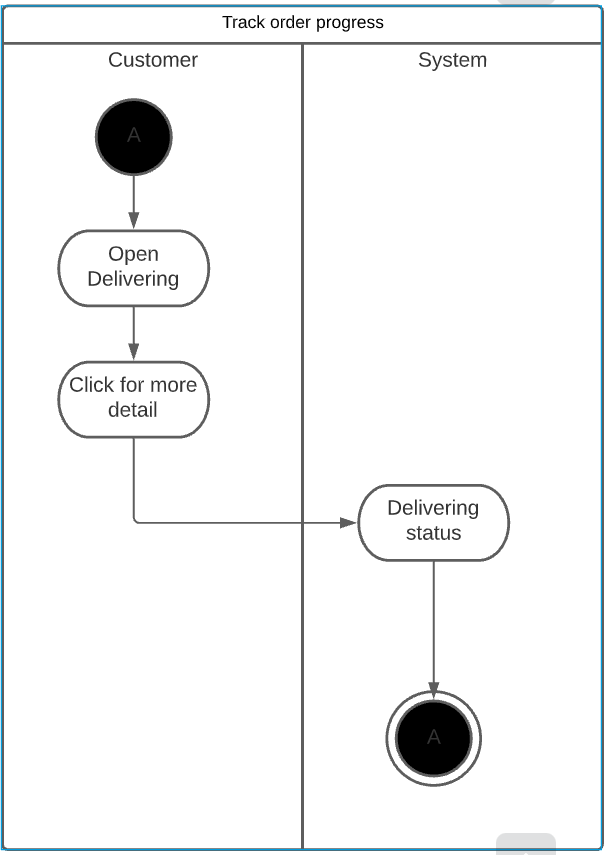
Clicks on the “Click more detail” button

### Workflows

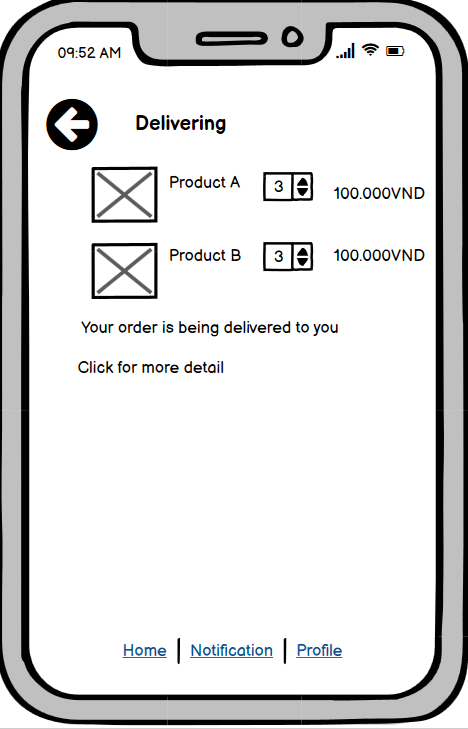
|  |  |
| --- | --- |
| Actor | System |
| 1.1. Click for more detail | 1.2. Display order progress form |
| 1.3 Click back arrow | 1.4 Display “’Wait for confirmation” screen |

### External interfaces:

#### Activity diagram:



#### Prototype:

Graphical user interface, application

Description automatically generated

#### 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 | textbox | Yes | Text | map | Drone’s location |
| 3 | Delivery information | textarea | Yes | Text | Text | Parcel track |

## Cancel order (Đức Trí)

### Overview

* This screen is used to Cancel order

### Actors

* Customer

### Use-case diagram

A picture containing graphical user interface

Description automatically generated

#### Pre-condition

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

#### Post-condition

Customer will be able to cancel order

#### Triggers

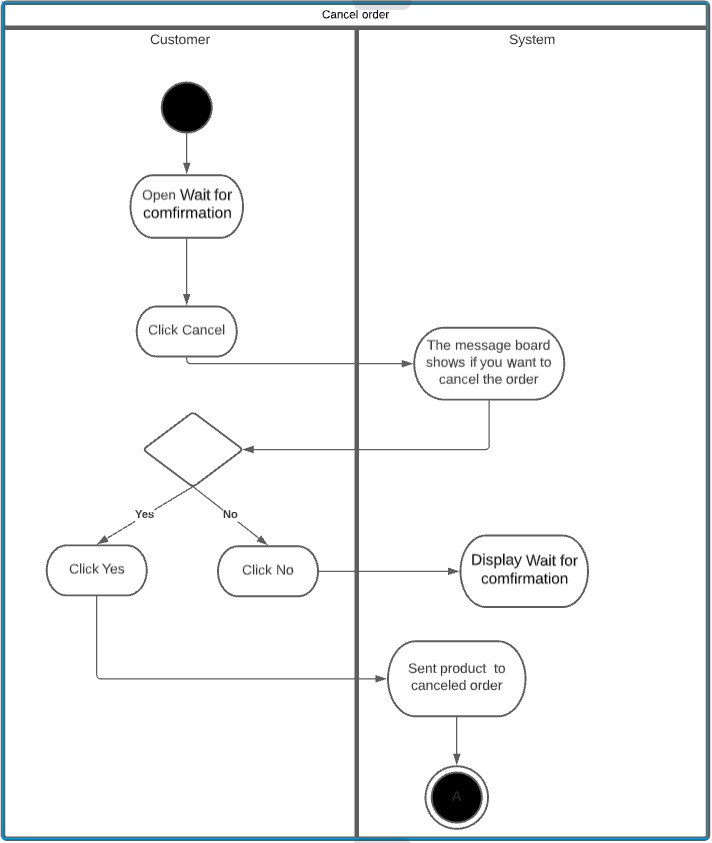
Clicks on the “Cancel” button

### Workflows

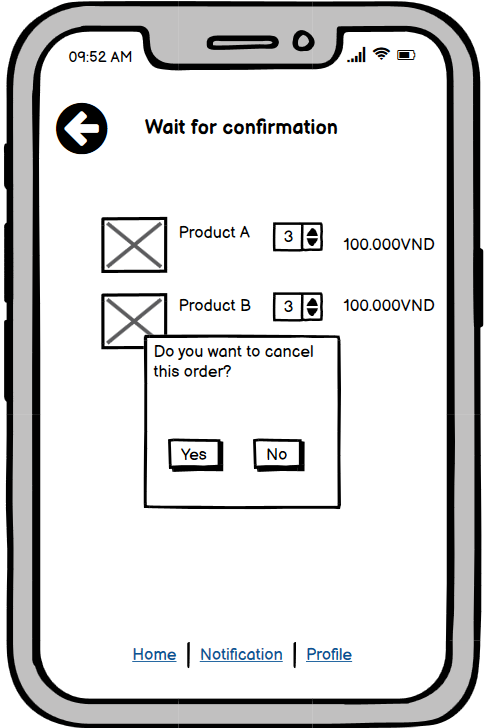
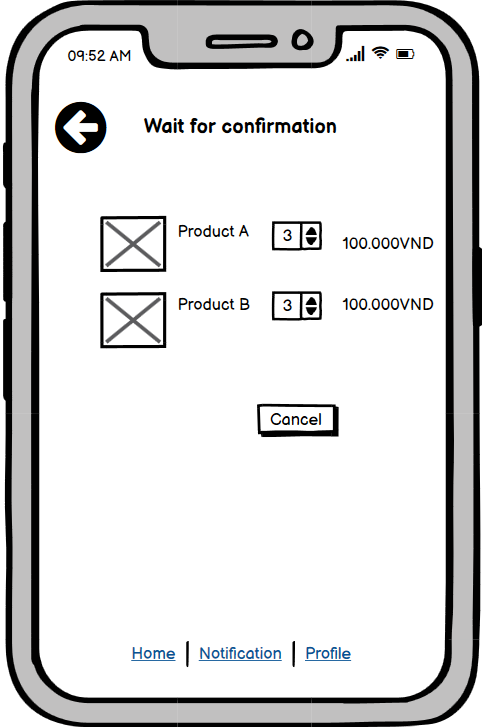
|  |  |
| --- | --- |
| Actor | System |
| 1.1. Go to “Wait for comfirmation” screen | 1.2. Display “Wait for comfirmation” screen, show detail order form |
| 1.3. Click cancel button | 1.4 Show message that customer want to cancel the order or not |
| 1.5 Click yes | 1.6 The order will be canceled |

### External interfaces

#### Activity diagram:



#### Prototype:



#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | Default value | Description |
| 1 | Check | Check  box | Yes | N/A | Checked |  |
| 2 | Product image | Picture Box | Yes | Text | Blank | Maximum 50 characters |
| 3 | Quantity | Input | Yes | Number | 1 | Integer 0-9 |
| 4 | Price | label | Yes | Text | N/A |  |

## View/ Update Shopping Cart (Duy Thanh)

### Overview

This screen is used to view/update cart

### Actors

Customer, Salesman

### Use-case diagrams

A picture containing diagram

Description automatically generated

#### Pre-condition

User must be logged in

#### Post-condition

Update successfully shopping cart

#### Triggers

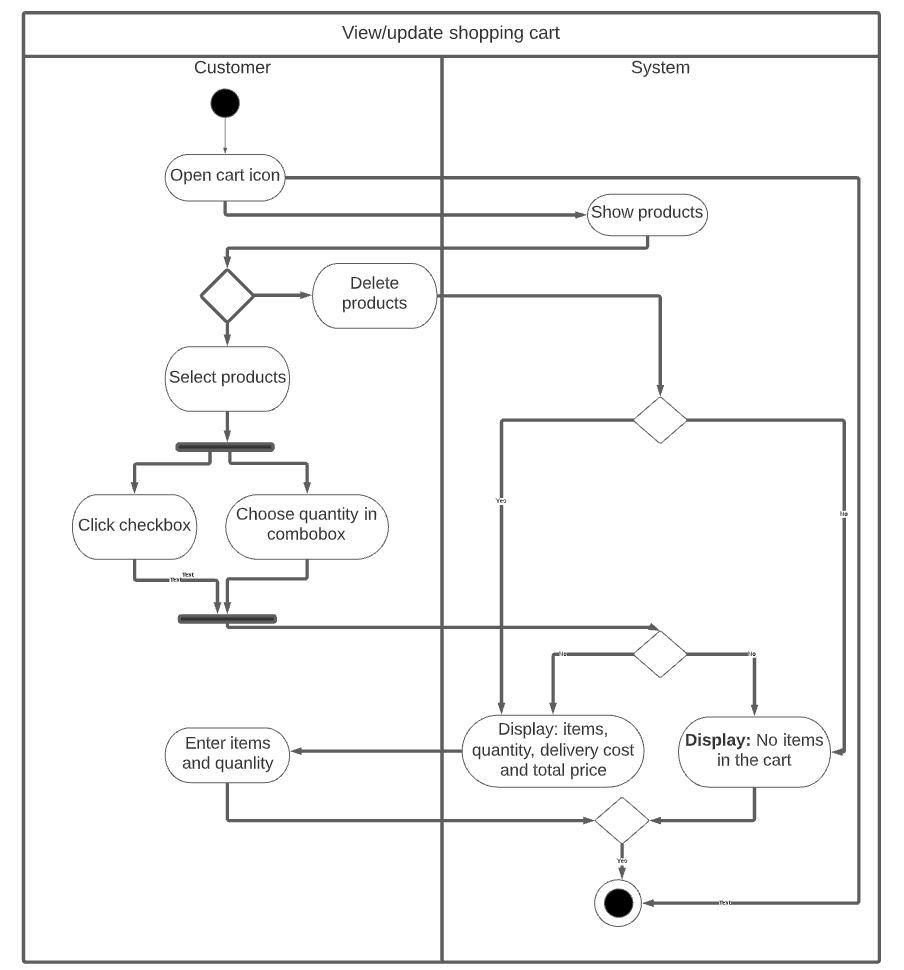
#### Clicks on the button

### Workflows

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1.1. Go to view/update cart form | 1.2. Display view/update shopping cart screen |
| 1.3 Select item and quantity | 1.4 Update from user input |

### External interfaces

#### Activity diagram



#### Prototype:

Cart Homepage

Graphical user interface, application

Description automatically generated

#### Screen description:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | | Default value | Description |
| 1 | Empty box | Checkbox | Yes | | Text | Blank | Choose each item |
| 2 | Increase or decrease | Num.Stepper | Yes | | Text | 1 | Increase or decrease the amount |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Button | | | | | | |
| 1 | Back | Button | Yes | N/A | N/A | Back to product details page |
| 2 | Purchase | Button | Yes | N/A | N/A | Pay the bill |

## View product details (Duy Thanh)

### Overview

This screen is used view product details

### Actors

Customer

### Use-case diagrams

Text

Description automatically generated

#### Pre-condition

* User must be logged in

#### Post-condition

* View product detail

#### Triggers

* Click on any products

### Workflows

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1.1. Go to this screen | 1.2. Display product detail |
| 1.3 Click back arrow | 1.4 Display previous screen |

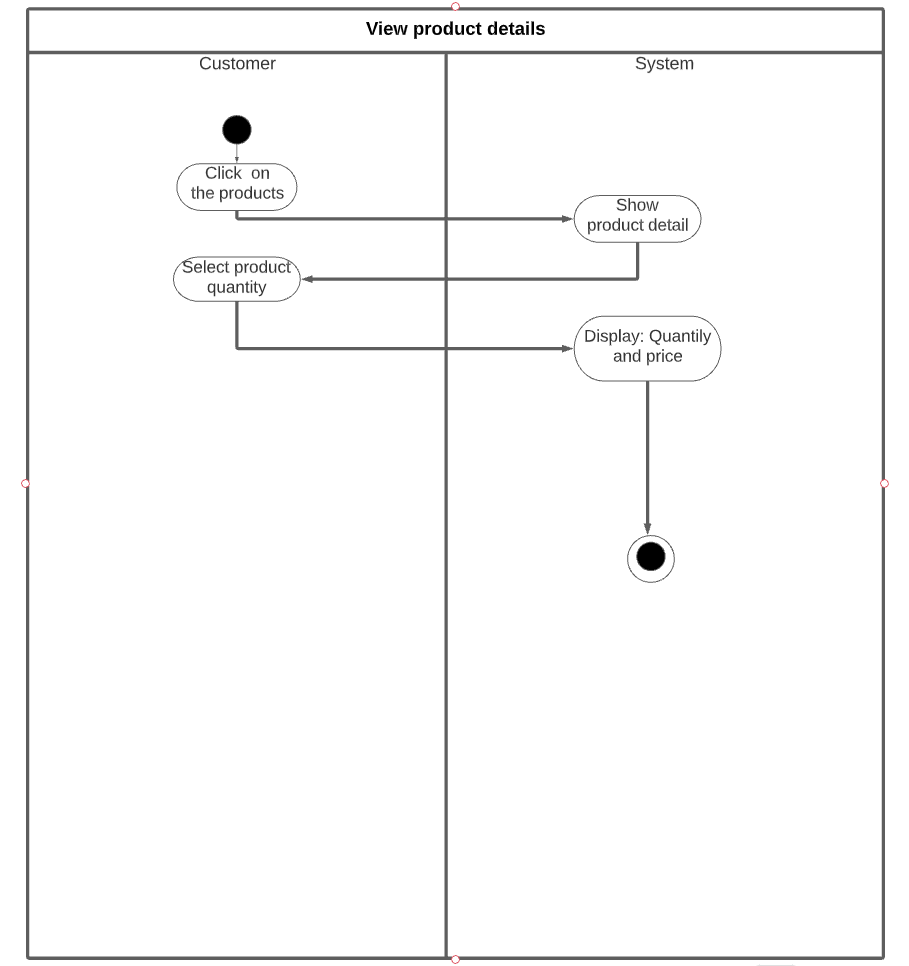
#### Screen description:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 | Blank | 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 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Button | | | | | | |
| 1 | Back | button | Yes | N/A | N/A | Back to product details page |
| 2 | Bell | button | Yes | N/A | N/A | Get notification |
| 3 | Shopping cart | button | Yes | N/A | N/A | View Customer’s shopping cart |
| 4 | Try on | button | Yes | N/A | N/A | TSry on clothes |
| 5 | Add to cart | button | Yes | N/A | N/A | Add item to cart |
| 6 | Buy Now | button | Yes | N/A | N/A | Go to the payment page |
| 7 | View shop | button | Yes | N/A | N/A | View shop |

### External interfaces

#### Activity diaram



#### Prototype:

Graphical user interface, application

Description automatically generated

## 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

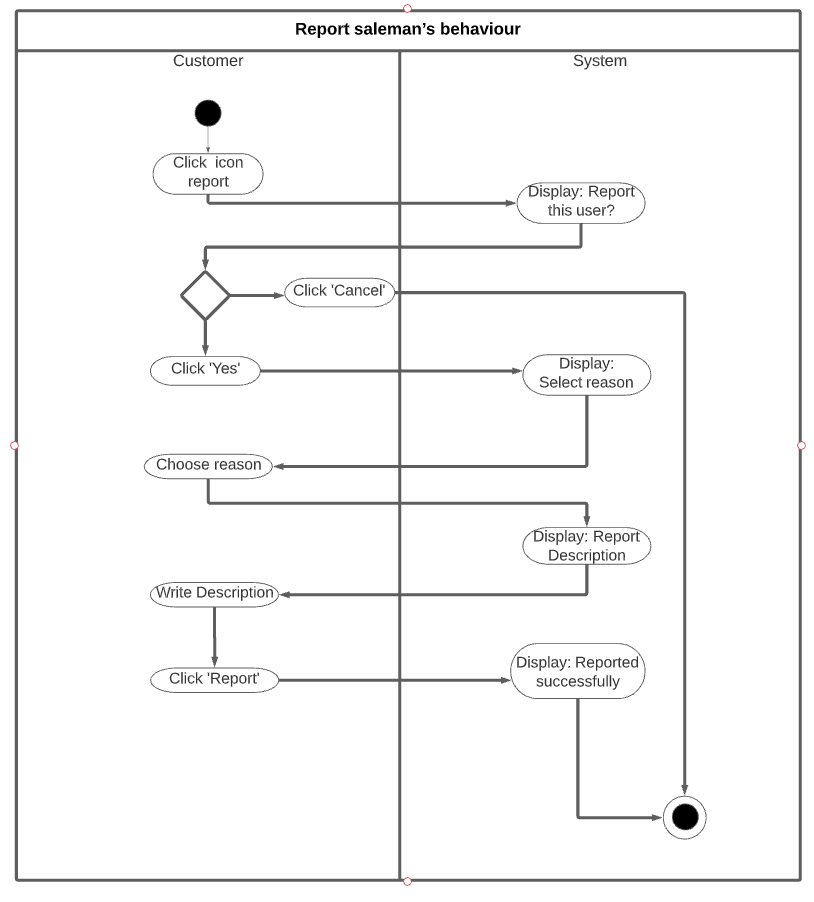
 In the saleman page, press the button to report

### Workflows

|  |  |  |
| --- | --- | --- |
| **Scenario** | **Actor** | **System** |
| 1. User successfully view/update shopping cart | 1.1. Go to “saleman page” and press the button | 1.2. Show notice “Report this user?” |
| 1.3 Select “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” |

### External interfaces

#### Activity diaram:



#### Prototype:

Shape

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

Description automatically generated

Text

Description automatically generated Graphical user interface

Description automatically generated

#### Screen description:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No | Field name | Control type | Required | Data type | | Default value | Description |
| 1 | Select Reason | Checkbox | Yes | | Text | Blank | Choose a reason to report |
| S2 | Report Description | Textbox | Yes | | Text | Blank | Maximum 50 characters  Detail the content of the report |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Button | | | | | | |
| 1 | Back | button | Yes | N/A | N/A | Back to saleman’s page |
| 2 | 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 application

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 with medium confidence

#### 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 diagram

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