



Project report WEBSITE SELLING SHOES

Group 3

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CHAPTER 1

1.1 Problem Definition

Most now if you want to buy shoes, you have to go to the store to buy them directly. Therefore, the following disadvantages are required:

- ❖ Store no branches in the area you live
- ❖ Lost too long time to search for shoe models
- ❖ Do not know the status of shoes are ready or not
- ❖ Risks when going out like robberies, accidents,

Therefore, we provide online sales solution on site with advantages such as:

Unlimited sales range

- ✓ The website is always open for sales
- ✓ Can check if the shoe model is ready or not
- ✓ Secure payment and many forms of payment
- ✓ Save time
- ✓ Easy to compare prices and product quality
- ✓ Avoid trouble when going out like traffic jam, weather, ..
- ✓ There are many discount vouchers

1.2 User Requirements

1.2.1 Customer Requirement Specification

An intuitive sales website, which needs to be fast, full of consulting support tools and product customization, shipping solutions ... will help retailers to impress and build trust, Loyalty from customers. One of the factors that make up e-loyalty is the website of the seller. In order for customers to love and be loyal to their website, sales people must make a first impression. The superior features, customer-oriented design will make them feel satisfied and appreciate that site.

First of all, e-commerce website must be designed specifically for customers who have shopping goals. From the color, the layout of the website, the ability to navigate, the content of the article, images, videos of the product, the reviews, comments of experts and customers about the product ... all must focus on the episode targeted customer. Second, salespeople need to understand that customers often surf the web for a short time and wait is somewhat limited. If an e-commerce website takes a long time to load a page, customers may be frustrated, not interested in accessing and shutting down the browser. In addition, the website's navigation must also be convenient, present clear and coherent indexes, allowing customers to find products easily, quickly and accurately.

The second element is customer service (the support activities before-during-after the purchase process of the seller). Good, breakthrough service in the market will help create competitive power and increase customer loyalty when buying online. Shoppers pay much attention to policies such as allowing for return, warranty, incentives as well as support solutions, the process of executing and delivering orders quickly and accurately with many shipping solutions.

Allowing to customize products according to each customer's unique requirements and quick, instant interaction are two values that make the website easy to win good feelings and customer loyalty when buying online. gland. According to market research firm

Forester Research, most online shoppers want e-commerce websites that have a feature that allows them to customize products and information for each customer.

Customizing products as you like is the result of the interaction process between customers and sellers in making detailed requirements about a specific product or service. Allowing customers to actively participate in designing their products according to their needs creates a strong and impressive effect in the relationship between sellers and customers. This is an important basis for brand loyal customers.

For example, Dell Computer Corporation allows buyers to choose the configuration, components, colors for their computers. Swedish furniture IKEA lets customers design their own furniture on the website. If the website does not sell customized products or does not have this feature, it can increase the value of soft products such as diverse products, designs, rich prices, suitable for many customers, construction. Convenient and groundbreaking sales services in the market ...

The Internet environment is always risky, so reliability and security are factors that create the love and loyalty of customers in the online marketing environment. This is also the difference between e-commerce and traditional commerce. Studies and practices show that customers are always afraid of revealing personal information and having their credit card accounts stolen, one of the basic reasons why they are hesitant to participate in the business. online.

With the Internet, branding is often associated with the domain name of the website, this time as an extension of the concept of the brand. For example, when it comes to Amazon e-retailer brand, customers often associate with Amazon.com website and other local websites of Amazon company such as Amazon.de (Germany), Amazon.jp (Japan). copy).



Of course, customers may not always know or even remember the websites of famous brands or products, but the content and features of the website always play a very important role. in building customer loyalty in an ecommerce marketing environment.

1.2.2 Hardware

Hardware Requirement (Minimum)	Hardware Requirement (Recommended)
<ul style="list-style-type: none"> + CPU: Intel Pentium 2 266 MHz + RAM: 1 GB + Storage: 1GB of free disk space 	<ul style="list-style-type: none"> + CPU: Intel Core i3 10110U + RAM: 4 GB + Storage: 1GB of free disk space

1.2.3 Software

Software Requirement
<ul style="list-style-type: none"> + Window 7 or higher + Web browser

1.3 Project Detail

1.3.1 Date of project plan.

Start: May 25th, 2020

End: July 20th, 2020

1.3.2 Project's Vision/Objective

The goal of this project is to create a website that sells shoes online.

1.3.3 Project Initiation/ Requirement Document

- Product information
- Services information of company.
- Deliverables
- CRS document
- Design document
- User Manual
- Maintenance Manual
- Code document (if client require)

1.3.4 Plan

1. Review activities: Review 2 times in classroom.
2. Testing activities: Test code, test web after done
3. Demo activities: Demo 1 time in classroom
4. Backup and recovery at Github

- Major project milestones:

- | | | |
|----------------------|----------------|--------------|
| • Definition problem | from 25/5/2020 | to 29/5/2020 |
| • User requirement | from 29/5/2020 | to 3/6/2020 |
| • Analysis | from 3/6/2020 | to 20/6/2020 |
| • Design | from 20/6/2020 | to 28/6/2020 |
| • Coding | from 28/6/2020 | to 8/7/2020 |
| • Testing | from 8/7/2020 | to 19/7/2020 |
| • Maintenance | from 19/7/2020 | to 20/7/2020 |

1.4 Schedule and role

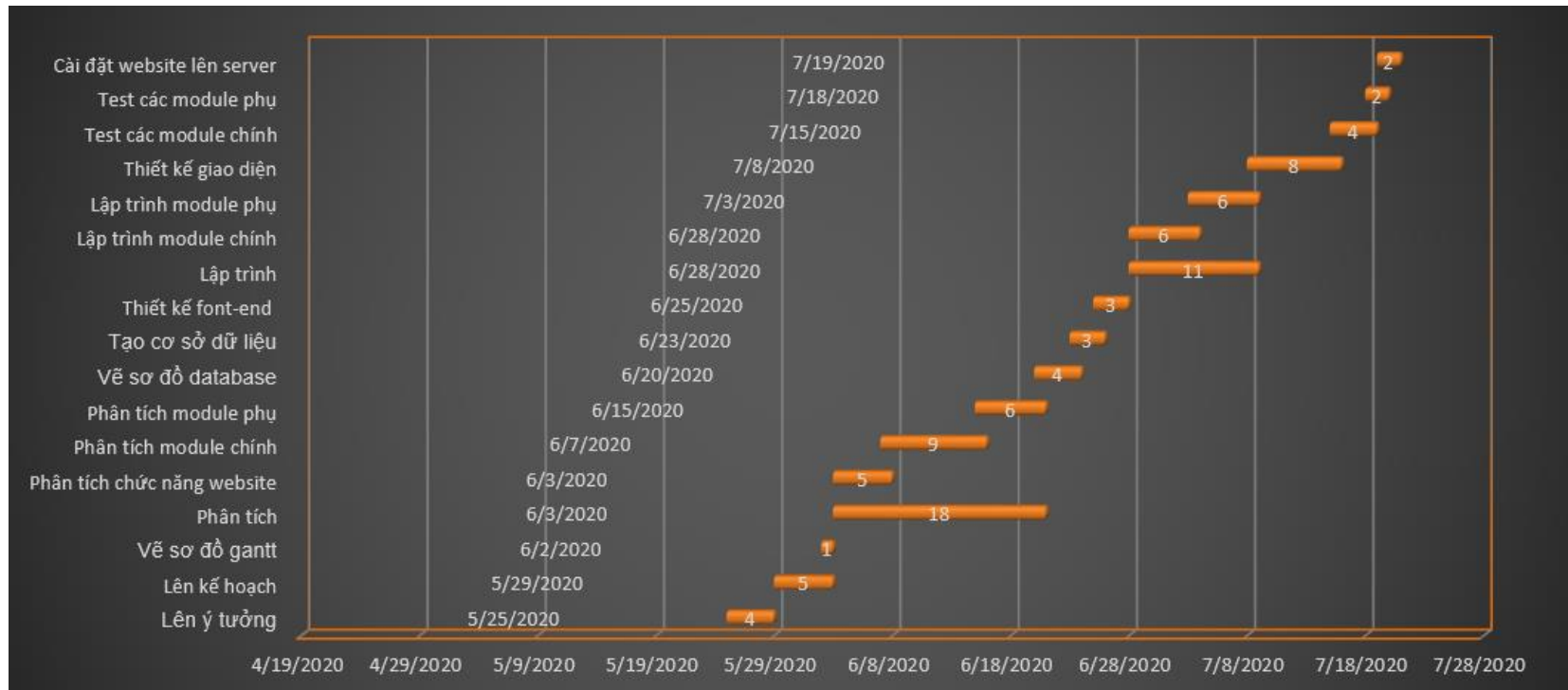
1.4.1 Role

No	Role	Member	Responsibilities
1	Leader	KhoiTHA	Creating Schedule and Check List, Assigning assignment to team members
2	Secretary	DangCH	Taking note
3	Analyst & Design	KhoiTHA, HaoVH, DangCH	Table of content, Define problem, Design w interface
4	Coder	KhoiTHA, HaoVH, DangCH	Program all functions
5	Tester	KhoiTHA, HaoVH, DangCH	Testing
6	Maintenance	KhoiTHA, HaoVH	Checking and backup data

1.4.2 Schedule

Task no.	Task description	Expected start date	Expected completion date	Expected Time needed (hrs)	Status
1	Design ideas	5/25/2020	5/29/2020	4	Done
2	Planing	5/29/2020	6/2/2020	5	Done
3	Draw gantt diagram	6/2/2020	6/3/2020	1	Done
4	Functional web analysis	6/3/2020	6/20/2020	18	Done
5	Main module analysis	6/3/2020	6/7/2020	5	Done
6	Sub module analysis	6/7/2020	6/15/2020	9	Done
7	Database diagram	6/15/2020	6/20/2020	6	Done
8	Create database	6/20/2020	6/23/2020	4	Done
9	Coding main module	6/23/2020	6/25/2020	3	Done
10	Coding sub module	6/28/2020	7/3/2020	6	Done
11	Design front-end	7/3/2020	7/8/2020	6	Done
12	Test main module	7/8/2020	7/15/2020	8	Done
13	Test sub module	7/15/2020	7/18/2020	4	Done
14	Install on server	7/18/2020	7/19/2020	2	Done

1.4.3 Gantt Diagram



1.5 Maintenance

1.5.1 Hourly maintenance package

ICSC offers a flexible hourly maintenance service package for businesses that already have a website admin but in a certain period of time, need the assistance of a company specializing in information technology to overcome. Incidents, data recovery or website upgrades according to each company's promotions. The cost for this package is 500,000 VND / 1 working hour.

1.5.2 Basic maintenance package: 700,000 VND / month including the following specific jobs:

- Edit images, article content in the month. Time: 1 - 2 hours
- Update website content according to customer requirements
- Upload data via the FTP protocol
- Promptly respond to requests for change or troubleshooting upon receipt of a notice
- Edit the error links in the website
- Store website data monthly.

1.5.3 Advanced maintenance package: 1,500,000 VND / month including the following specific jobs:

- Edit images, article content in the month. Time: 5 hours
- Update website content according to customer requirements
- Download data via the FTP protocol
- Promptly respond to requests for change or troubleshooting upon receipt of a notice
- Edit the error links in the website
- Store website data weekly.

1.5.4 Professional maintenance package: 5,000,000 VND / month including the following specific jobs:

- Edit images, article content in the month. Time: 10 hours
- Update website content according to customer requirements, including product updates for the E-commerce website
- Download data via the FTP protocol
- Promptly respond to requests for change or troubleshooting upon receipt of a notice
- Edit the error links in the website
- Store website data weekly.

CHAPTER 2

2.1 Introduction to JSP

a. What is JSP?

- JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to Servlet because it provides more functionality than servlet such as expression language, JSTL, etc.
- A JSP page consists of HTML tags and JSP tags. The JSP pages are easier to maintain than Servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tags, etc.

b. Advantages of JSP over Servlet

- Extension to Servlet: JSP technology is the extension to Servlet technology. We can use all the features of the Servlet in JSP. In addition to, we can use implicit objects, predefined tags, expression language and Custom tags in JSP, that makes JSP development easy.
- Easy to maintain: JSP can be easily managed because we can easily separate our business logic with presentation logic. In Servlet technology, we mix our business logic with the presentation logic.
- Fast Development: No need to recompile and redeploy. If JSP page is modified, we don't need to recompile and redeploy the project. The Servlet code needs to be updated and recompiled if we have to change the look and feel of the application.
- Less code than Servlet: In JSP, we can use many tags such as action tags, JSTL, custom tags, etc. that reduces the code. Moreover, we can use EL, implicit objects, etc.

c. The Lifecycle of a JSP Page

- Translation of JSP Page
- Compilation of JSP Page
- Classloading (the classloader loads class file)
- Instantiation (Object of the Generated Servlet is created).
- Initialization (the container invokes `jspInit()` method).
- Request processing (the container invokes `_jspService()` method).
- Destroy (the container invokes `jspDestroy()` method).
- As depicted in the above diagram, JSP page is translated into Servlet by the help of JSP translator. The JSP translator is a part of the web server which is responsible for translating the JSP page into Servlet. After that, Servlet page is compiled by the compiler and gets converted into the class file. Moreover, all the processes that happen in Servlet are performed on JSP later like initialization, committing response to the browser and destroy.

2.2 Introduction to MVC in JSP

a. What is MVC?

Model - View - Controller (MVC) is a design model aimed at splitting the Interface and Code sections for ease of management, development and maintenance. MVC divides the software application into 3 parts that interact with each other: Model (Data), View (Interface), Controller (Code that controls the interaction between Model and View as well as business (Business)).

- *Model Layer:*

Represents the state (data), and is the lowest layer in the sample. It responds to requests from the view and it also responds to directives from the controller to update itself.

- *View Layer:*

Responsible for displaying data in a specific format.

- *Controller Layer:*

Acting as an Interface interface between View and Model. It intercepts and is responsible for responding to all requests (receiving inputs and commands) to the Model / View to perform the corresponding interactions. The controller receives input, it performs validation and then performs operations that modify the state of the Model.

b. The advantages of MVC

Demonstrate professionalism in programming and object analysis, because it is divided into separate components, so the independent operation makes application development faster, simpler, and easier to upgrade and maintain.

c. The disadvantages of MVC

As a very methodical working model, with small applications, using MVC is very time-consuming and causes a lot of complexity.

CHAPTER 3

3.1 Architecture system

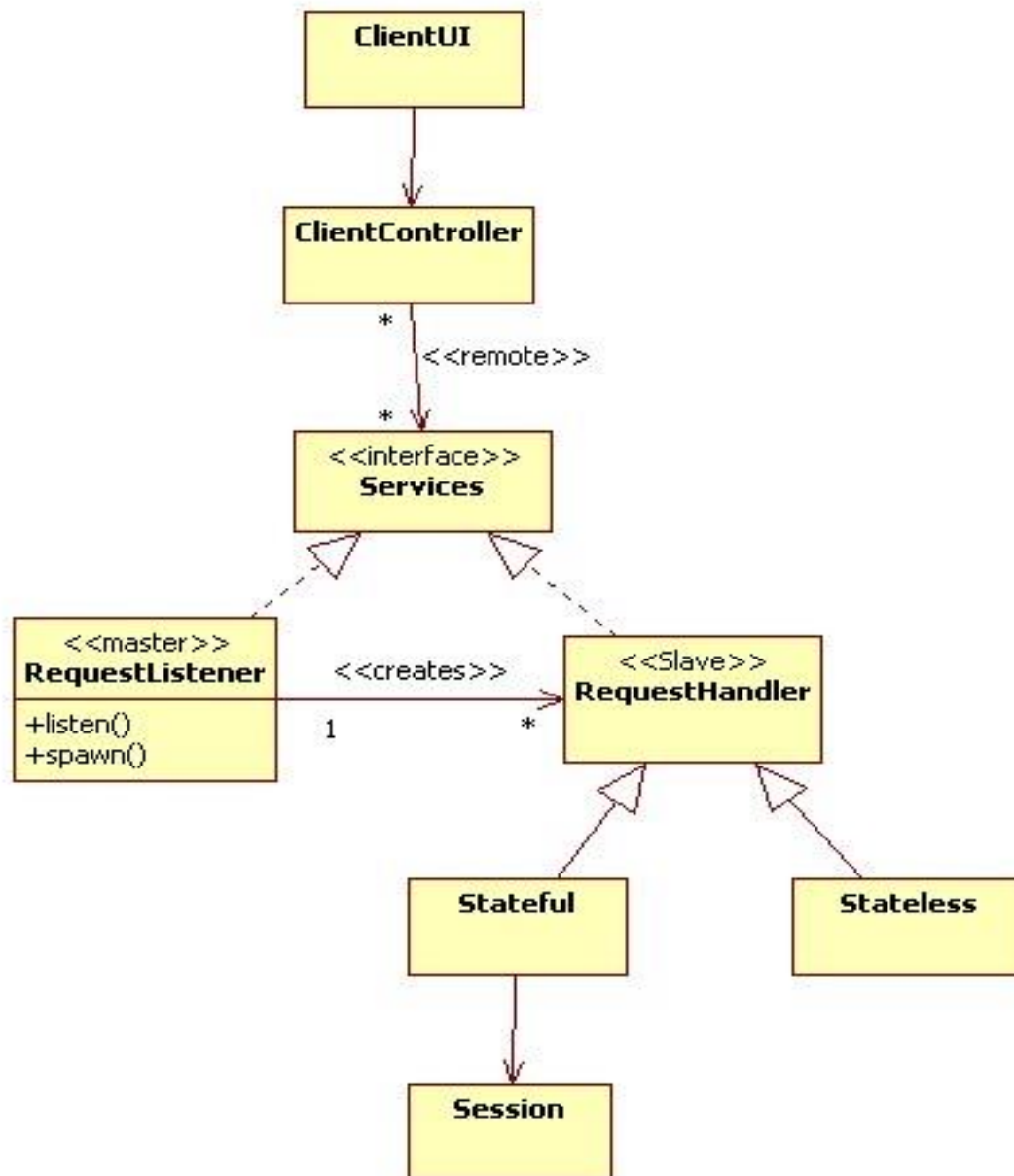


Figure 1: Architecture Diagram

3.2 Use-case Diagram

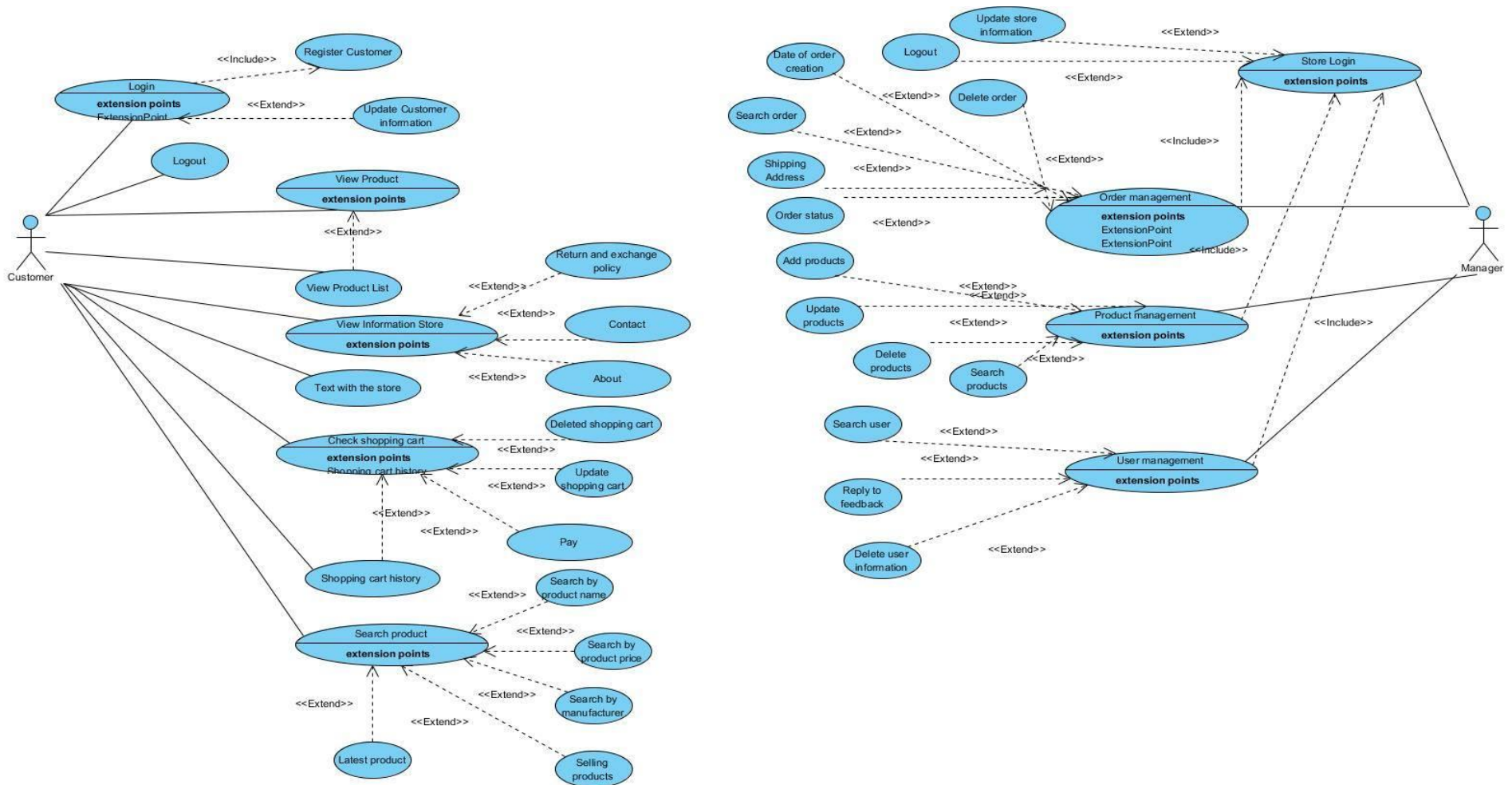


Figure 2: Use-case Diagram

3.3 Database Diagram

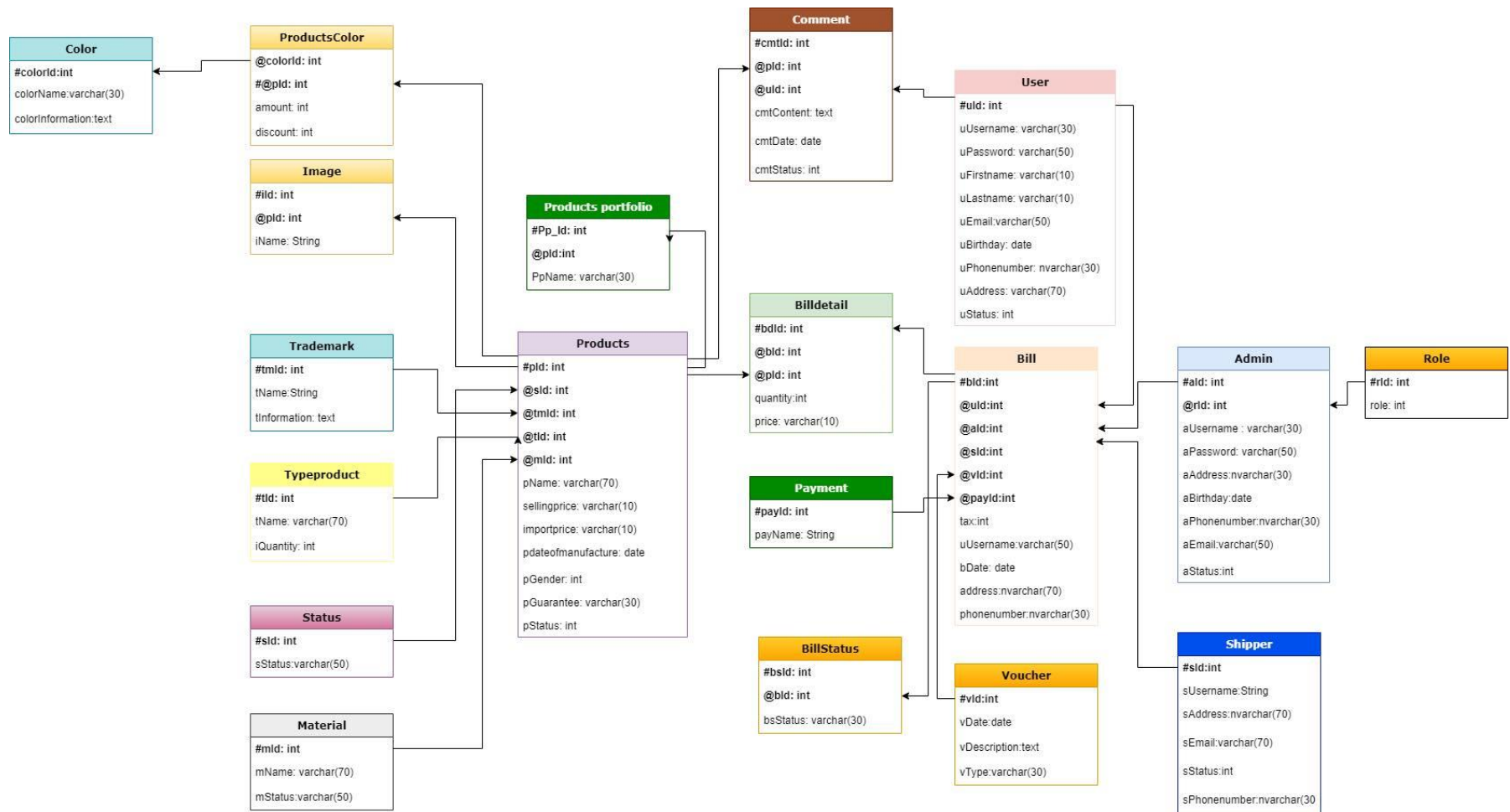


Figure 3: Database Diagram

Group 3

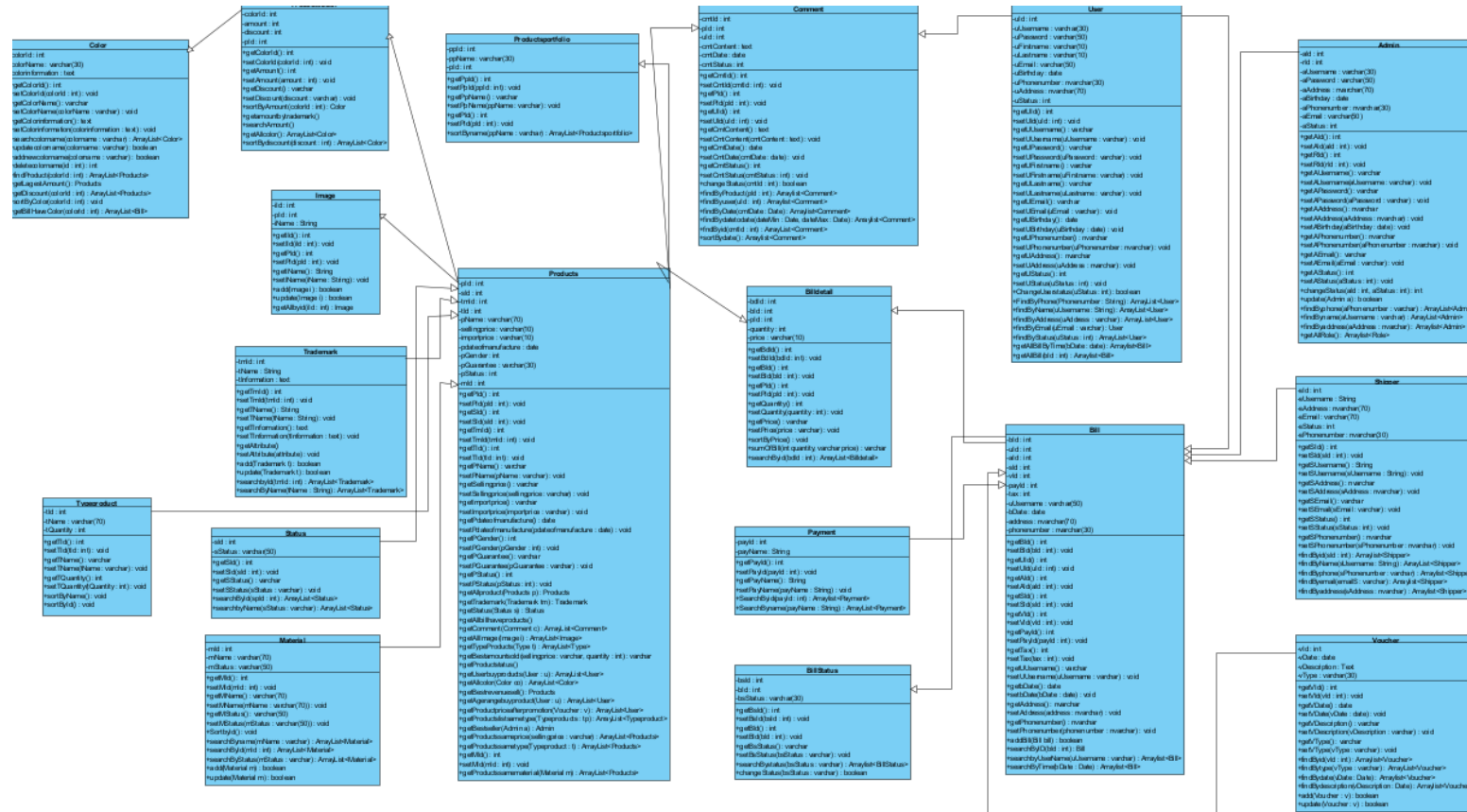


Figure 4: Class Diagram

3.5 Activity Diagram

a. User

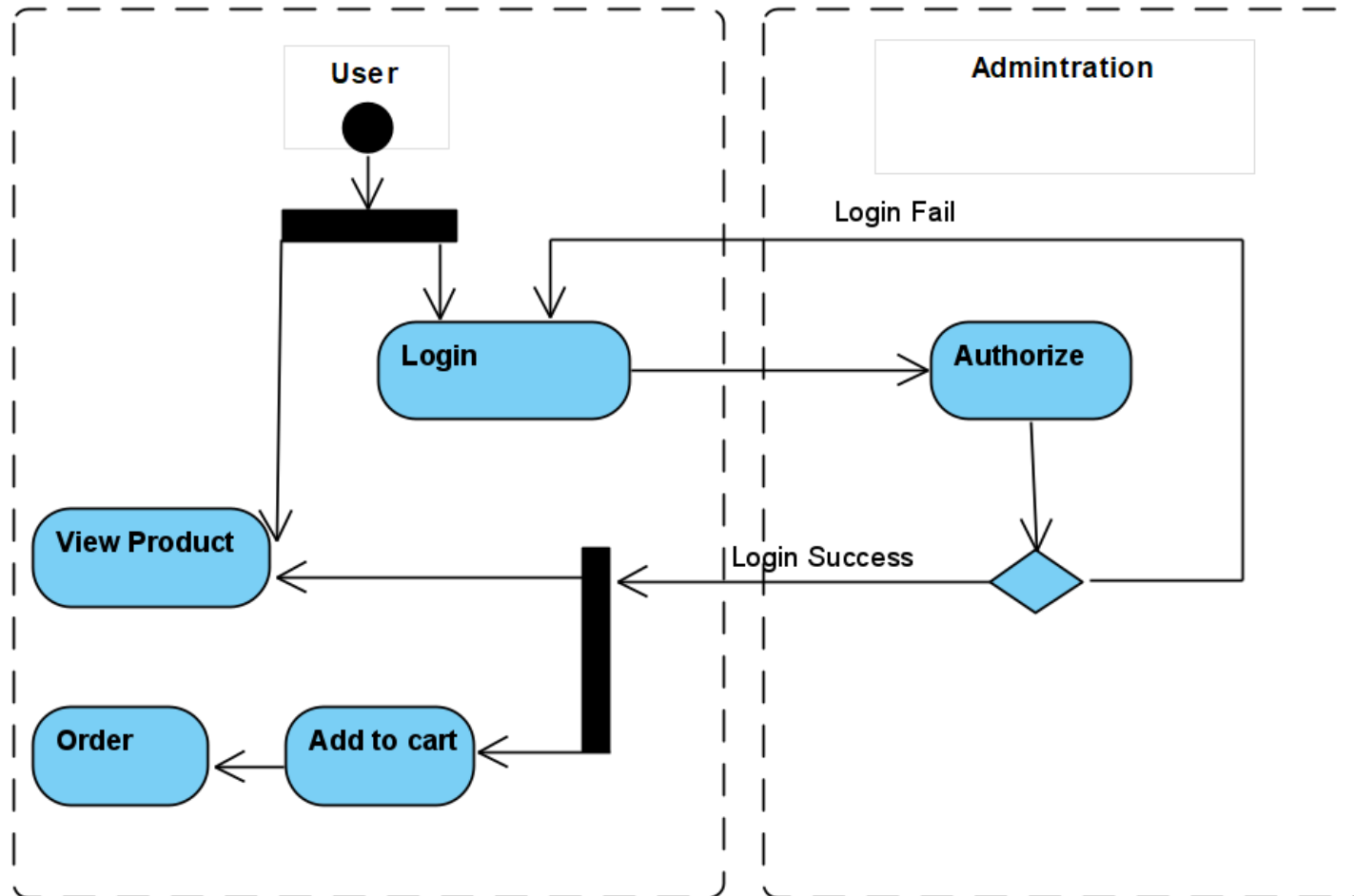


Figure 5: User Diagram

b. Admin

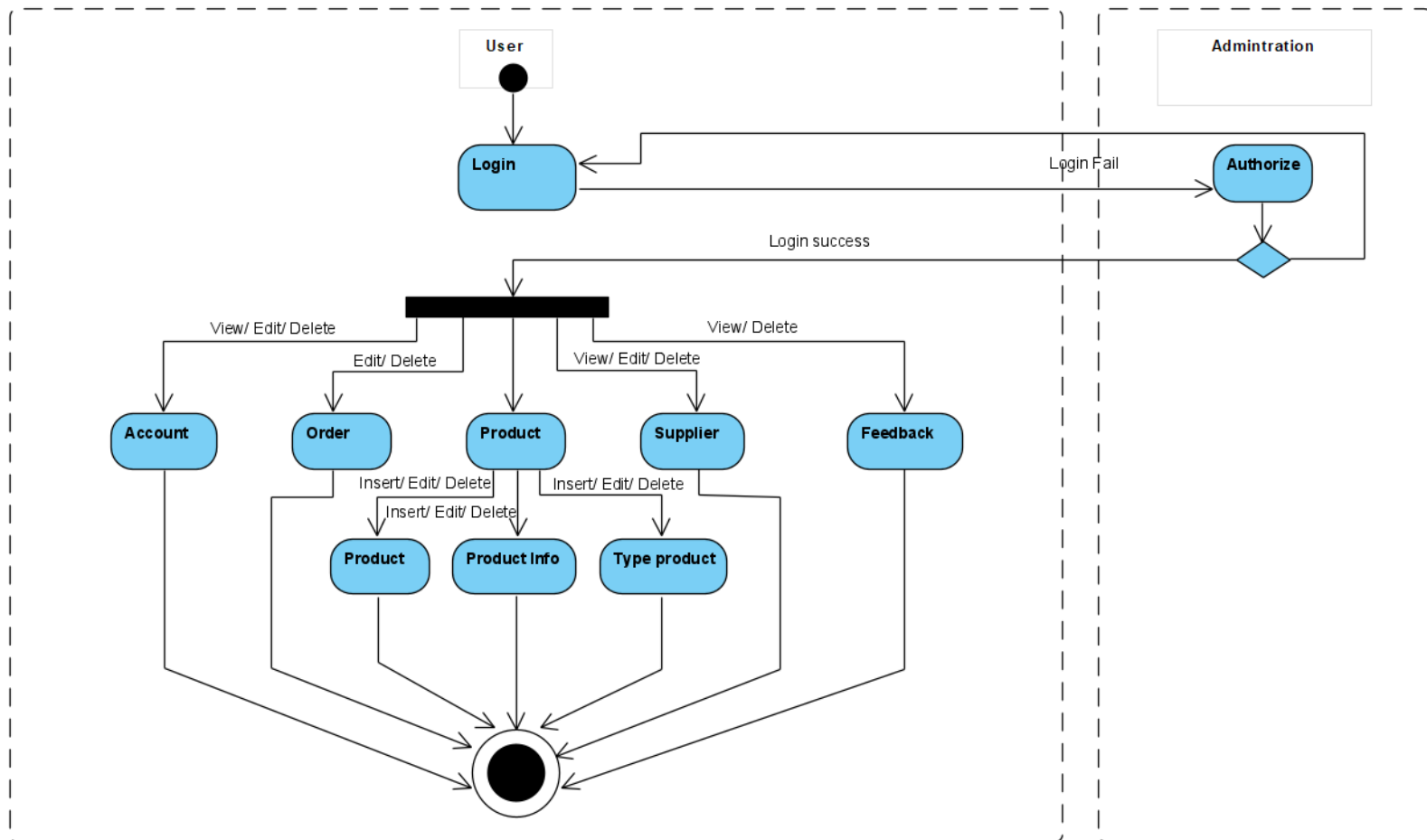
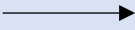
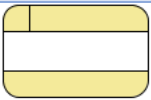




Figure 6: Adminr Diagram

3.5 DFD

Data flow diagram symbol

Symbol	Description
	Data Flow: Data flow are pipelines through the packets of information flow.
	Process: A Process or task performed by the system.
	Entity: Entity are object of the system. A source or destination data of a system.
	Data Store: A place where data to be stored.

3.5.1 Contextual Level 0

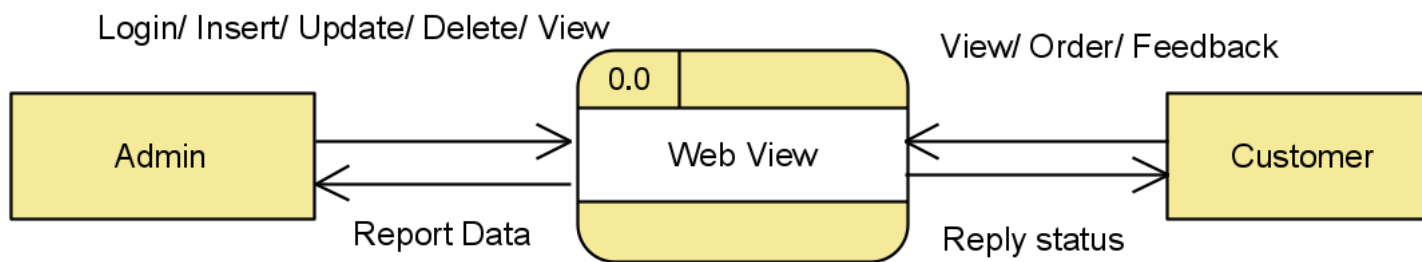


Figure 7: Contextual Level 0 Diagram

3.5.2 Level 1

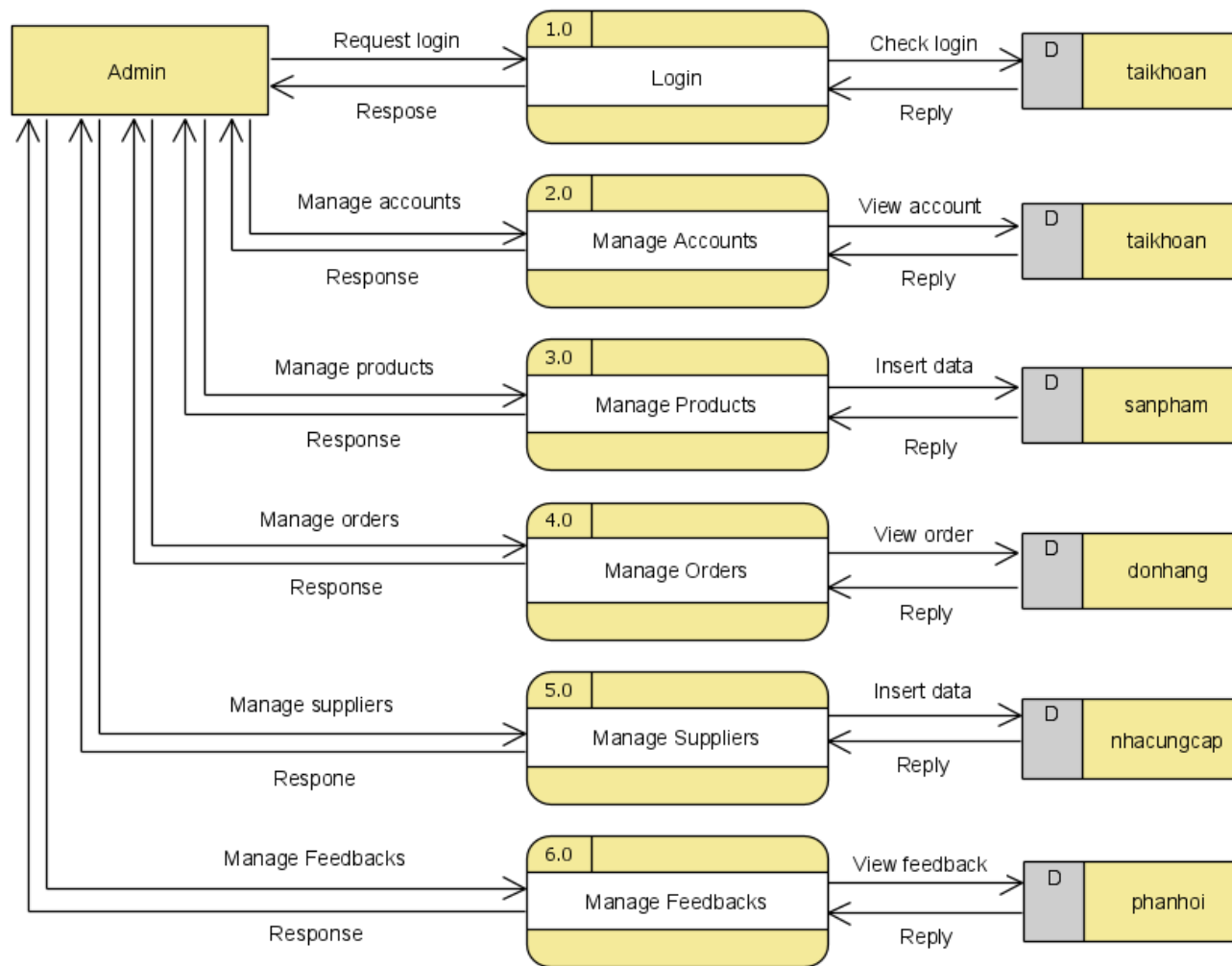


Figure 8: Admin Lv1 Diagram

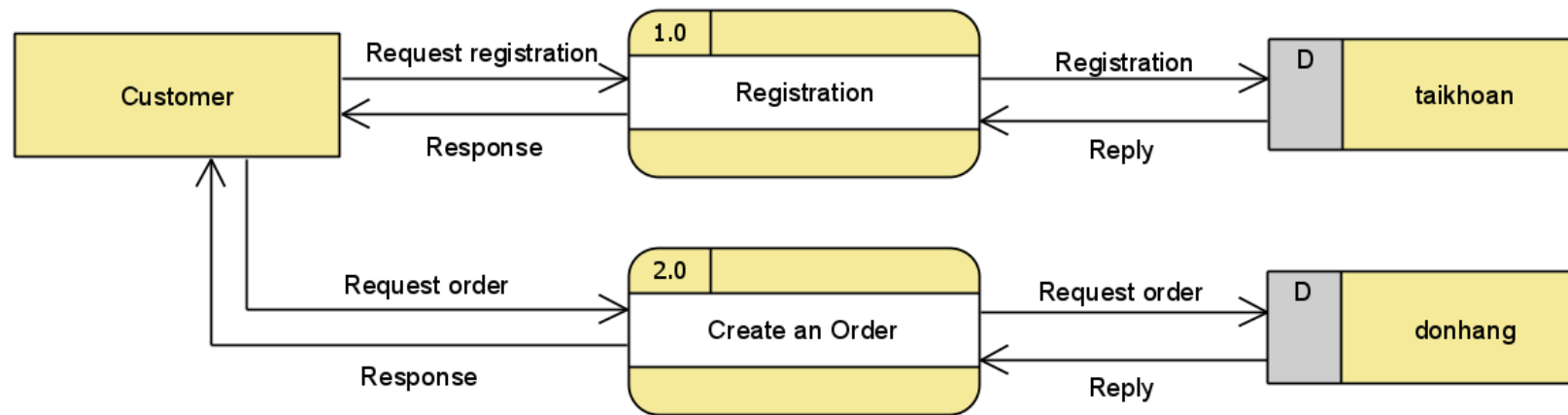


Figure 9: Customer Lv1 Diagram

3.5.3 Level 2

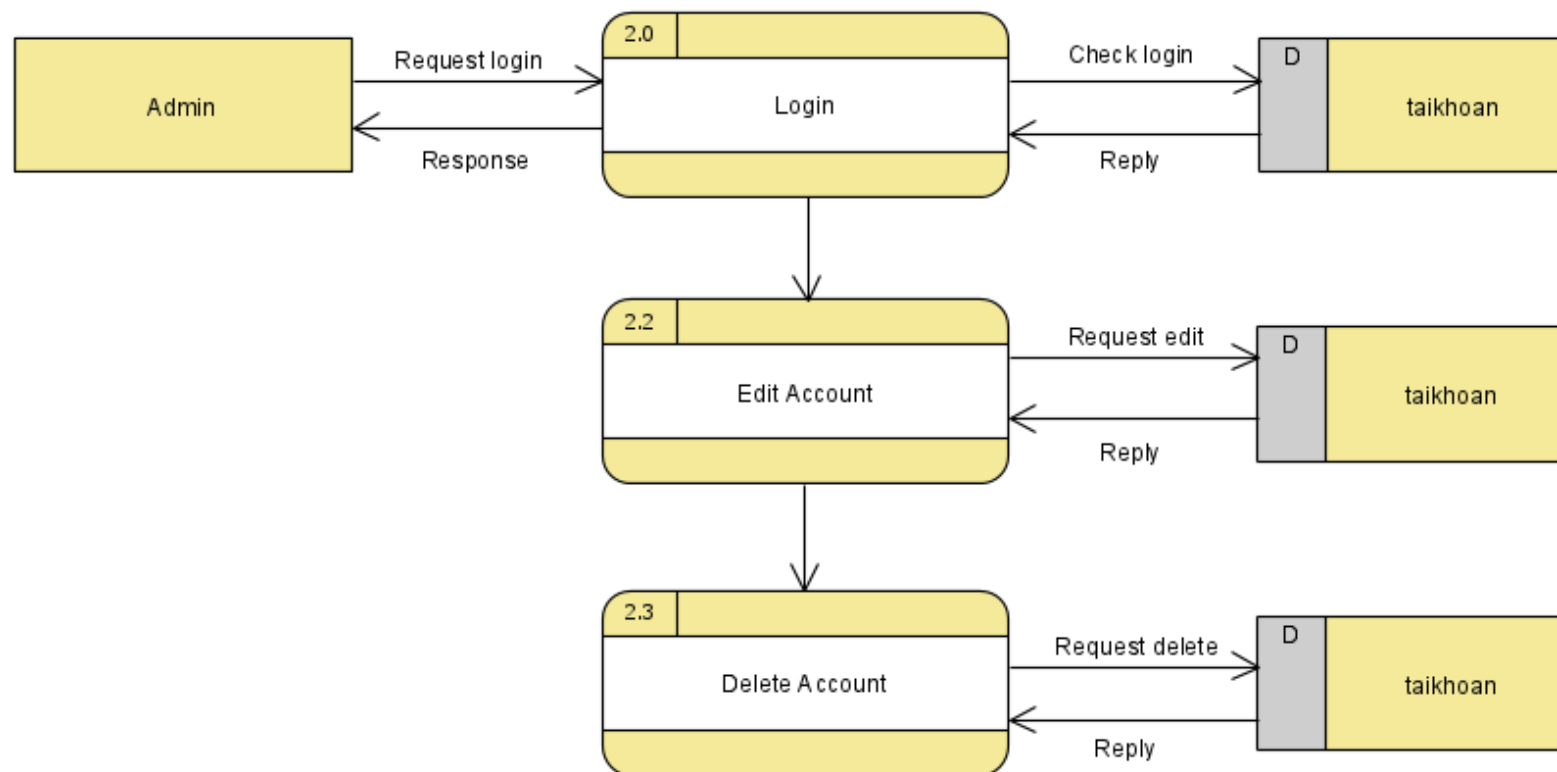


Figure 10: Admin Lv2 Diagram

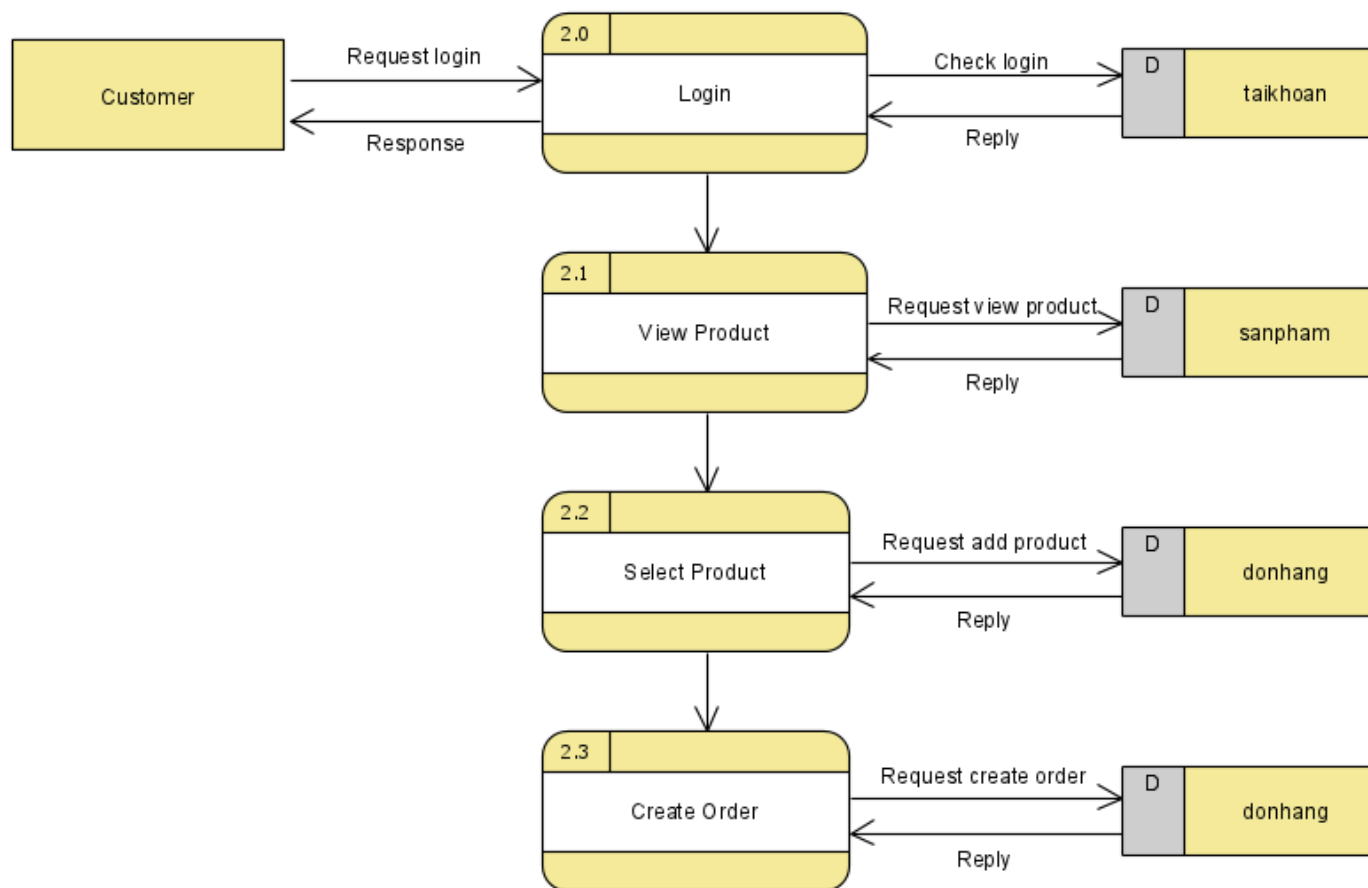


Figure 11: Customer Lv2 Diagram

3.5.4 Level 3

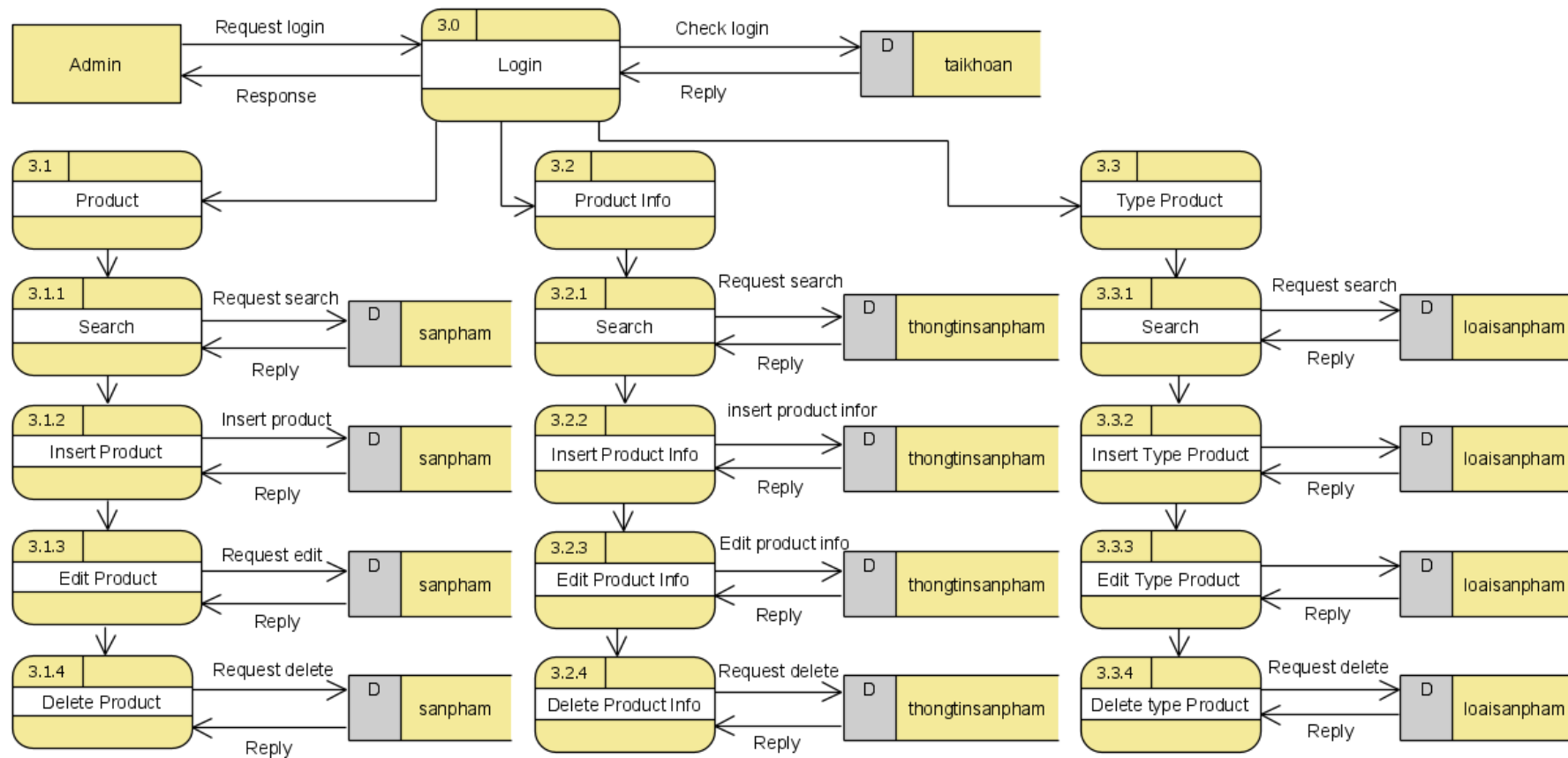


Figure 12: Admin Lv3 Diagram

3.5.5 Level 4

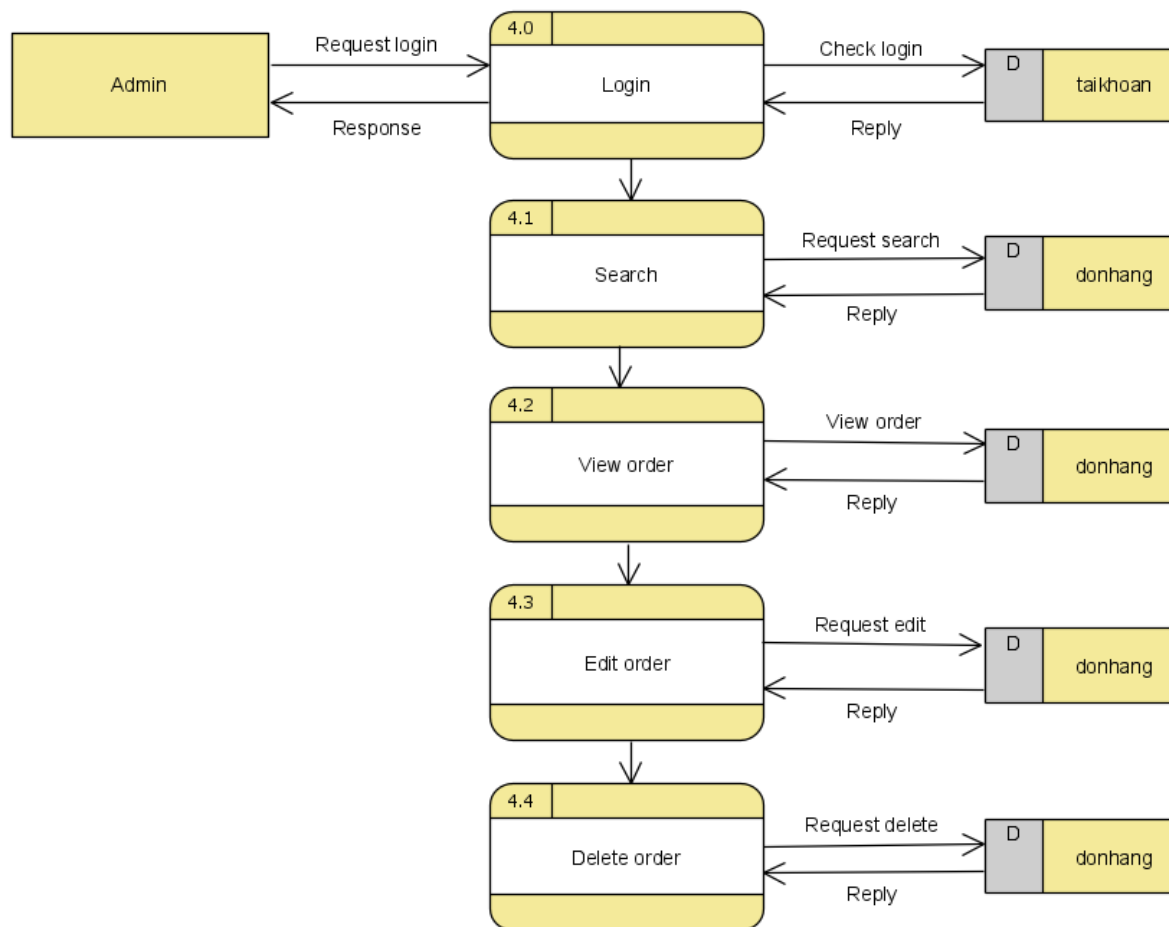


Figure 13: Admin Lv4 Diagram

3.5.6 Level 5

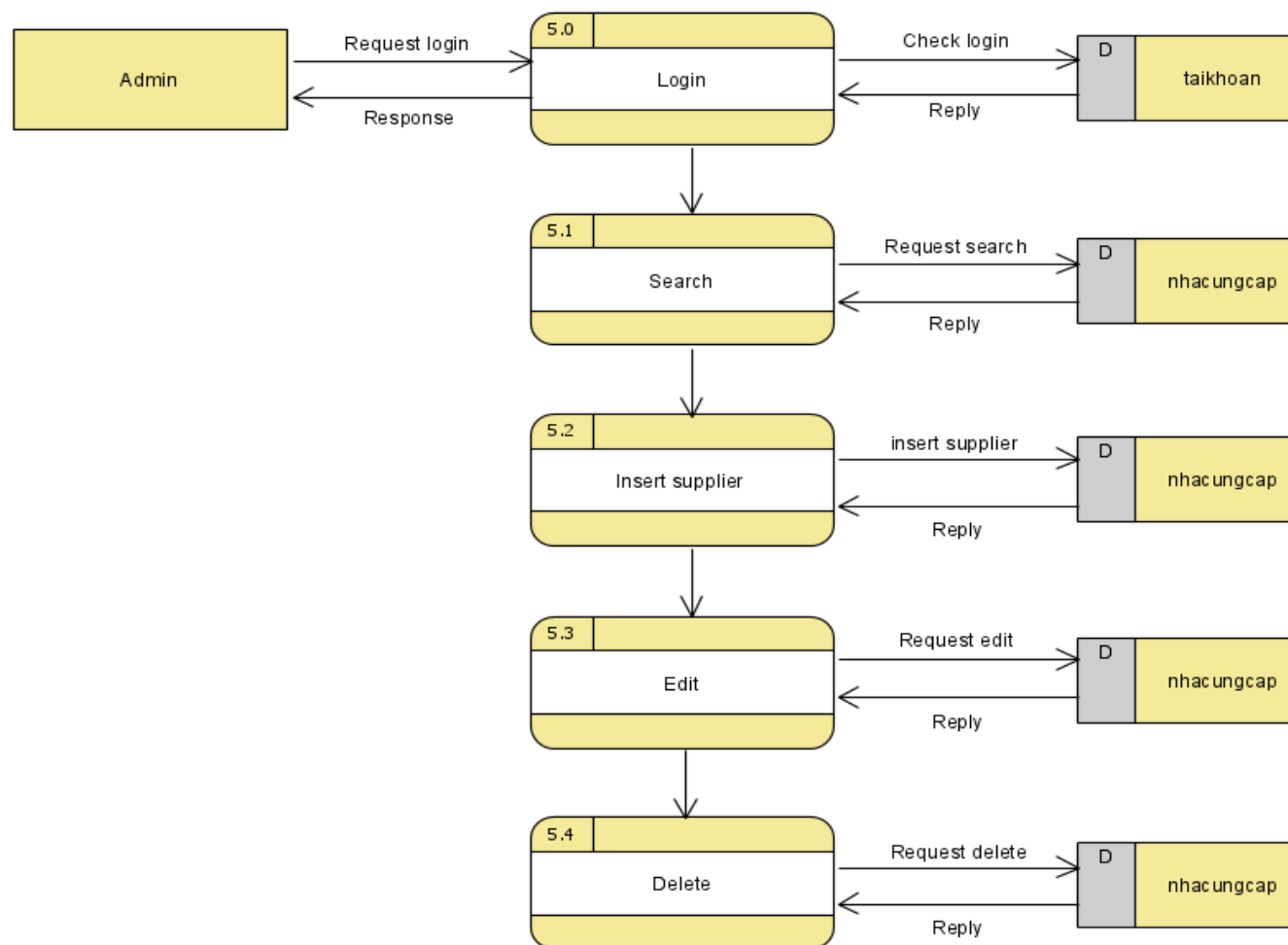


Figure 14: Admin Lv5 Diagram

3.5.7 Level 6

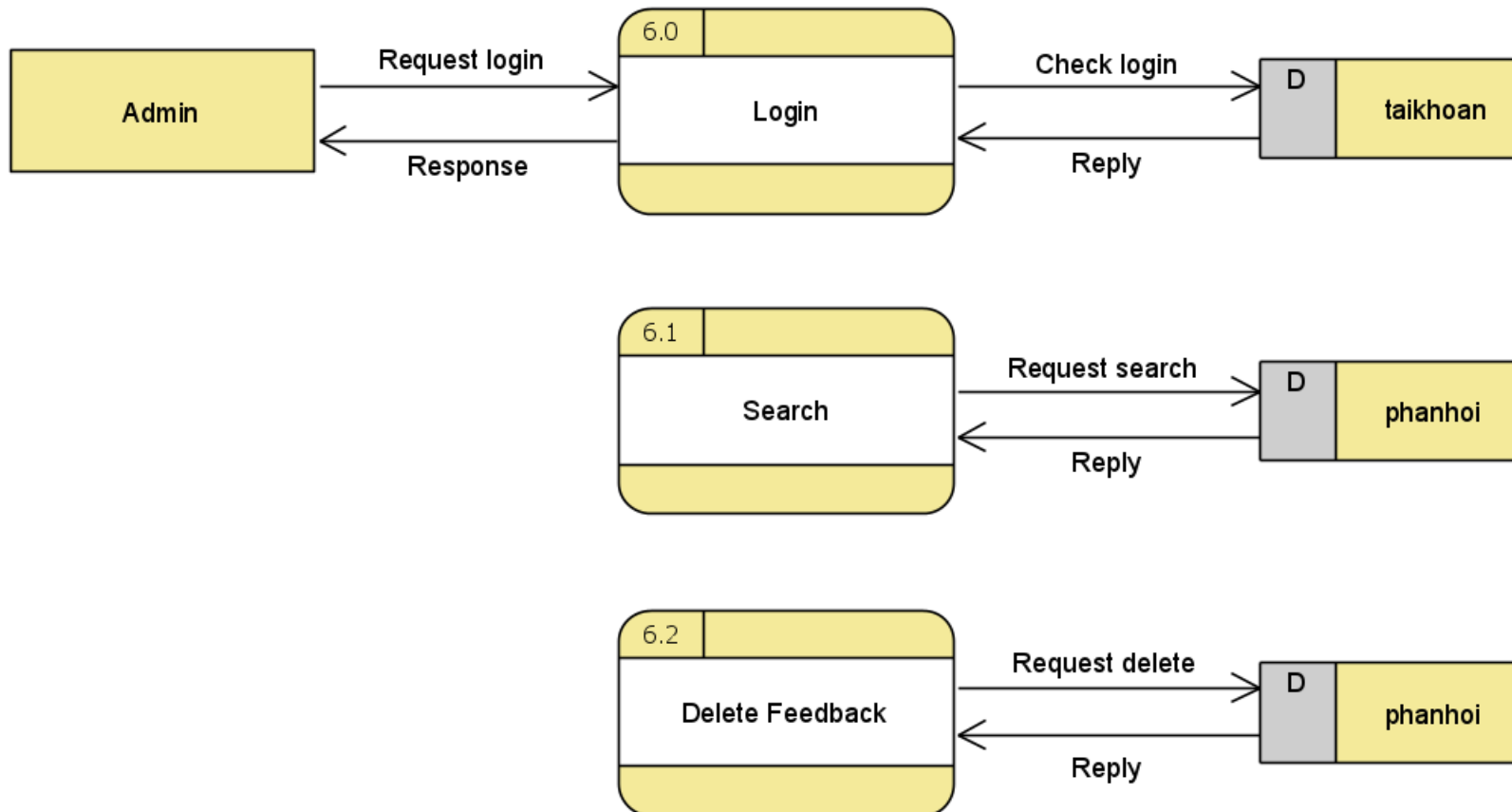


Figure 15: Admin Lv6 Diagram

CHAPTER 4: FUNCTIONS, USER INTERFACES AND FLOWCHART

4.1 Function

- Login
- Register
- Logout
- Add product
- Update product
- Delete product
- Sort product with name from A to Z
- Sort product with increase price
- Sort product with decrease price
- Search product
- Add to cart
- Show product with the same price
- Show product with the same series
- Search product by name
- Search product by discount

4.2 User Interfaces

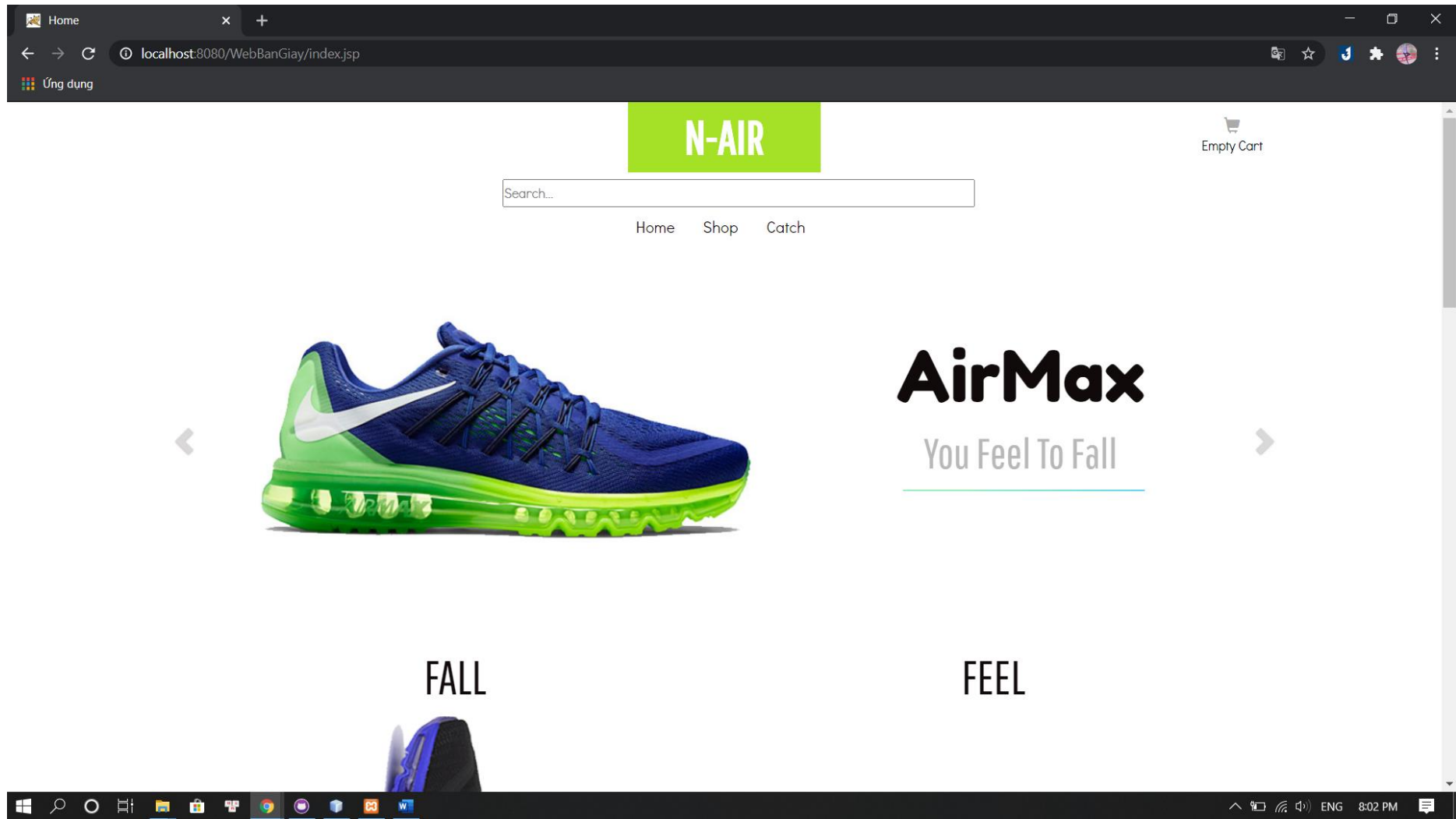


Figure 16: User- Home

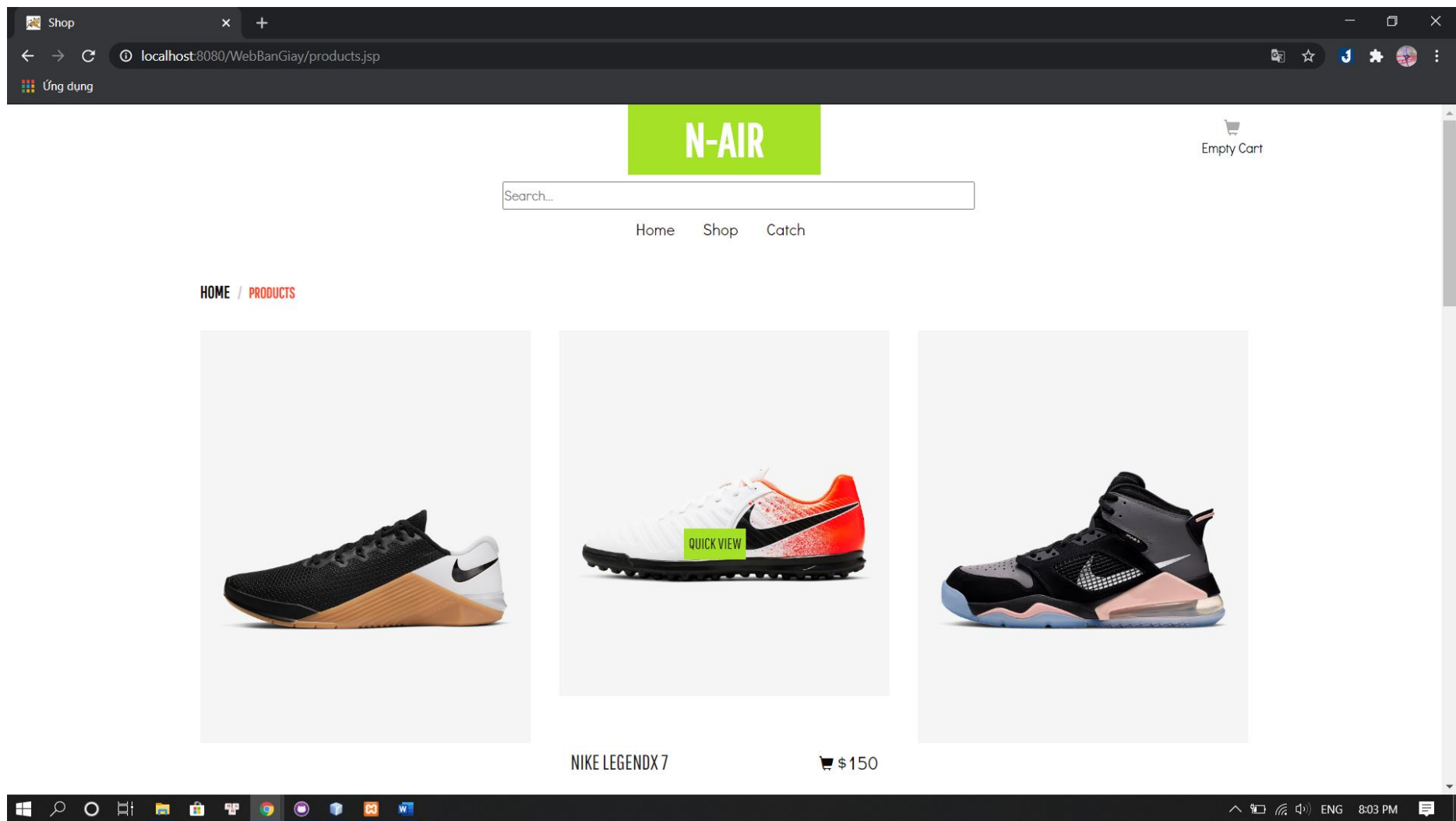


Figure 17: User- Shop

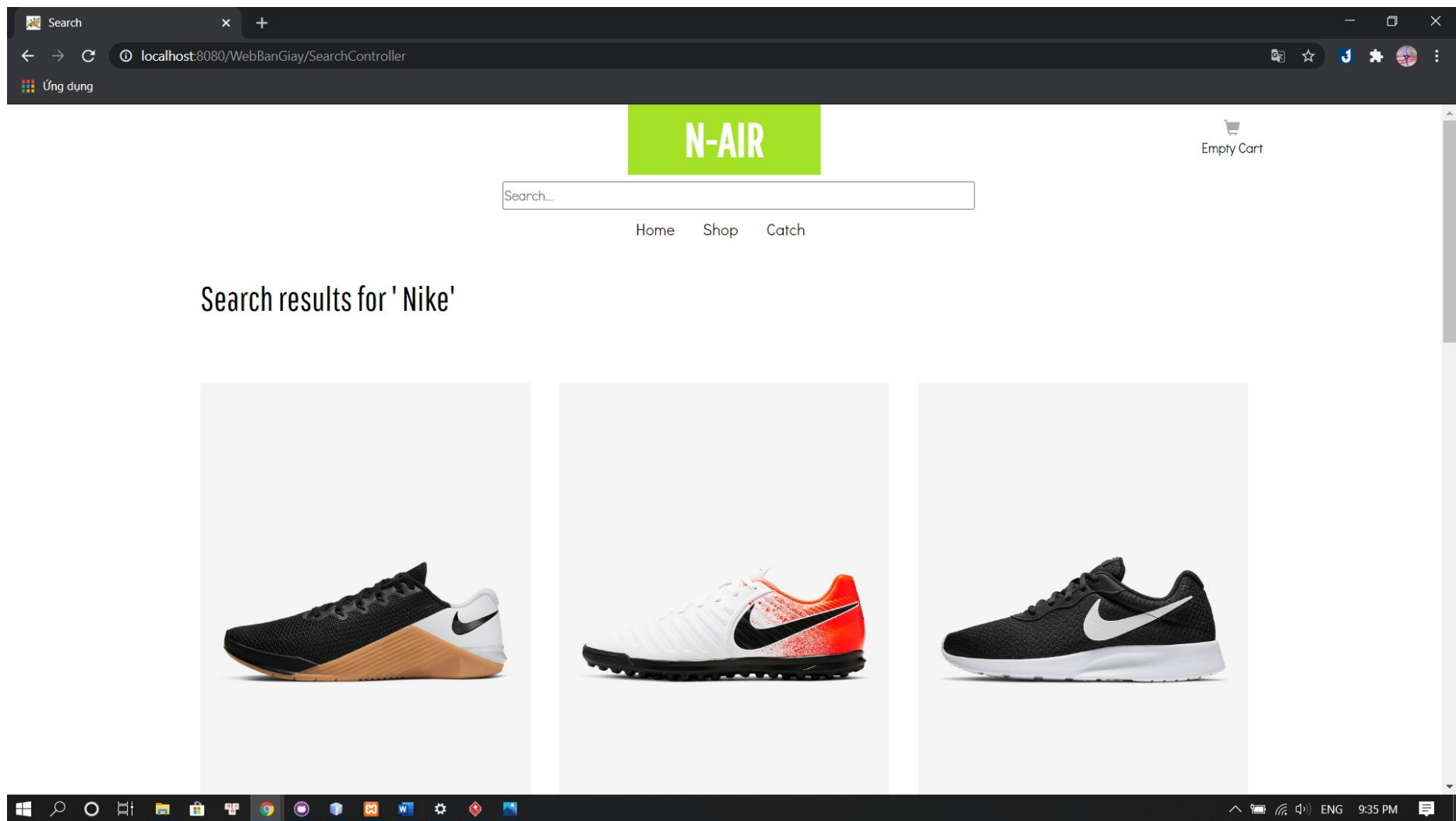


Figure 18: User- Search Product

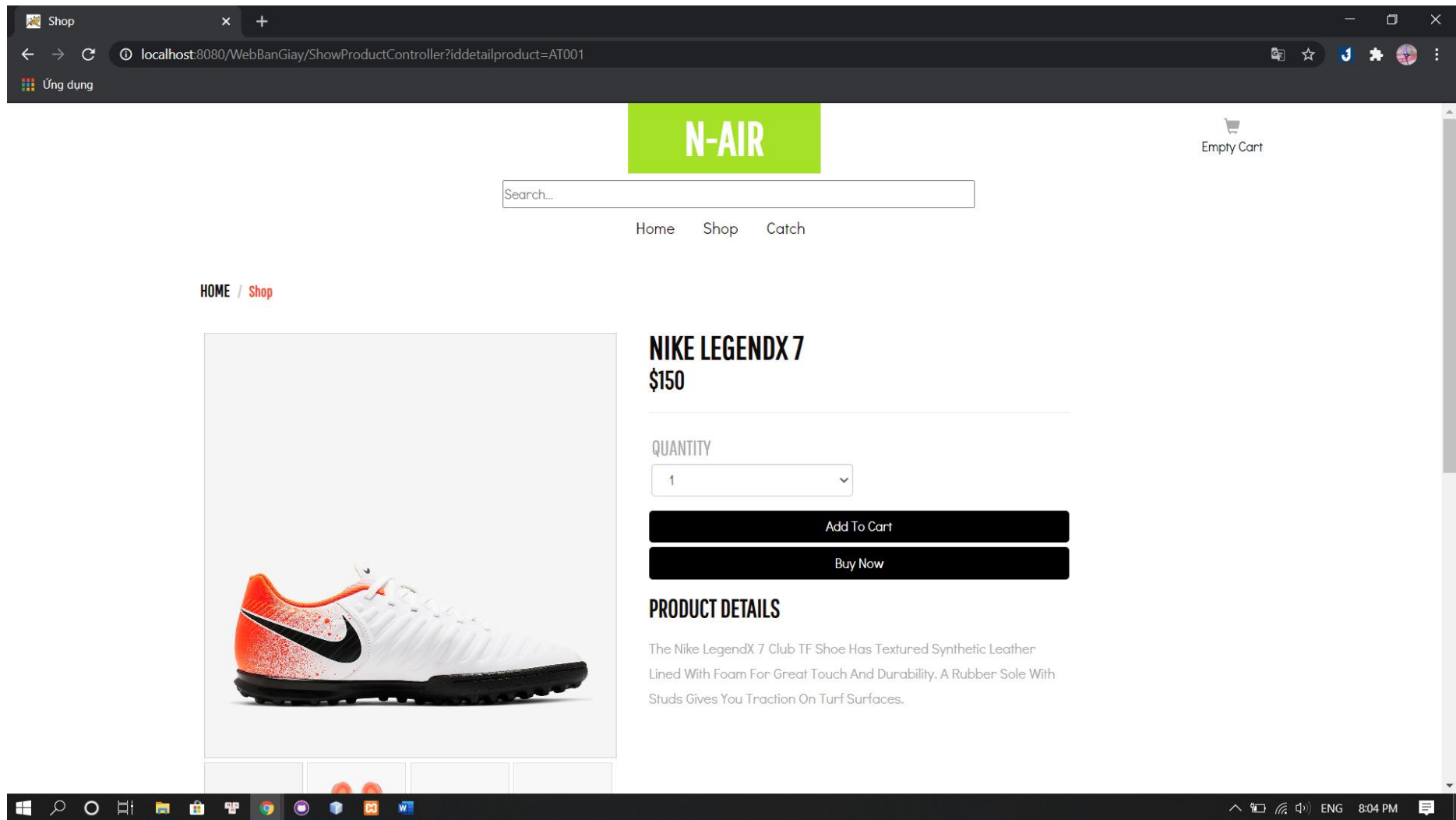


Figure 19: User- Product Detail

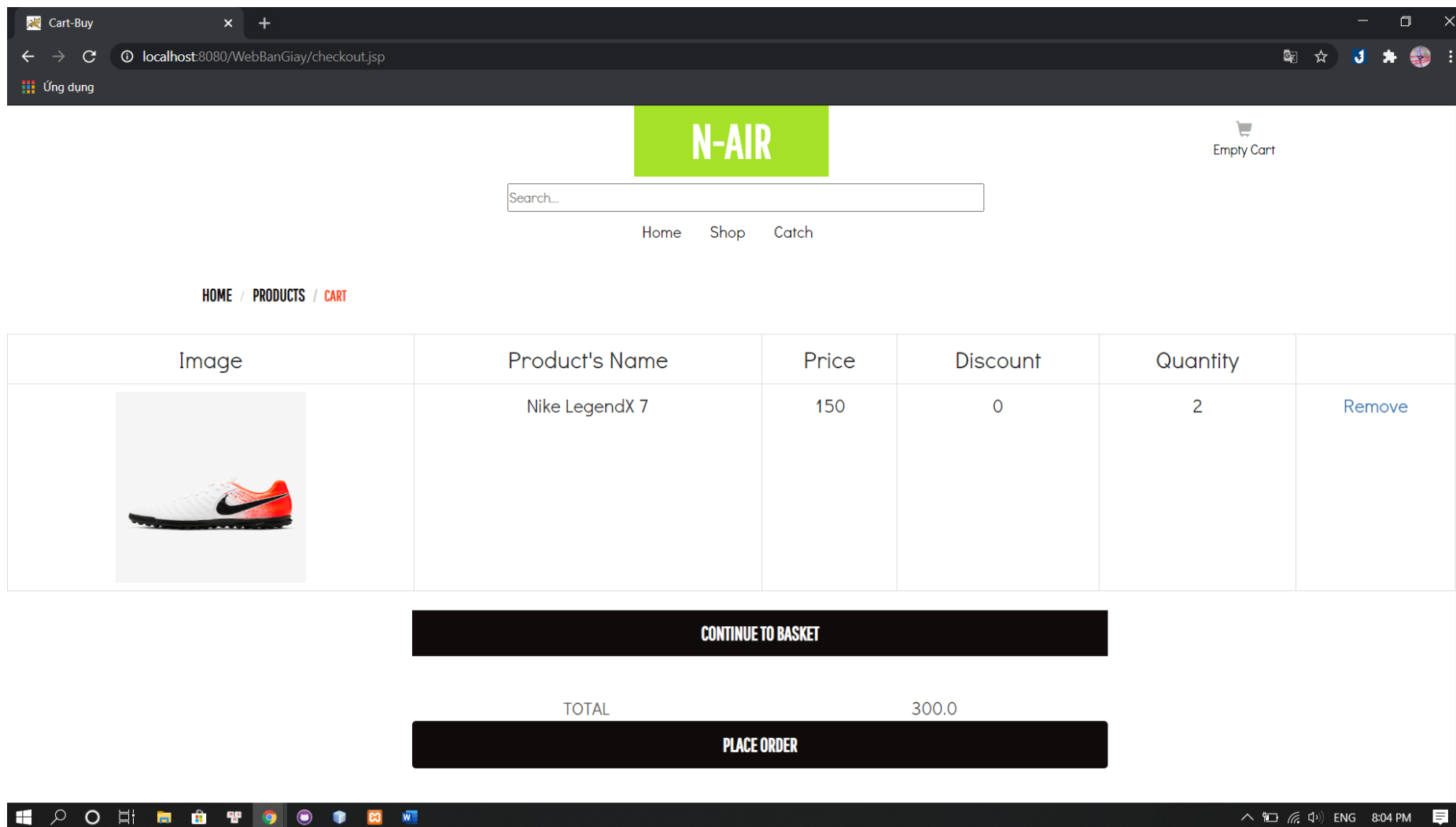
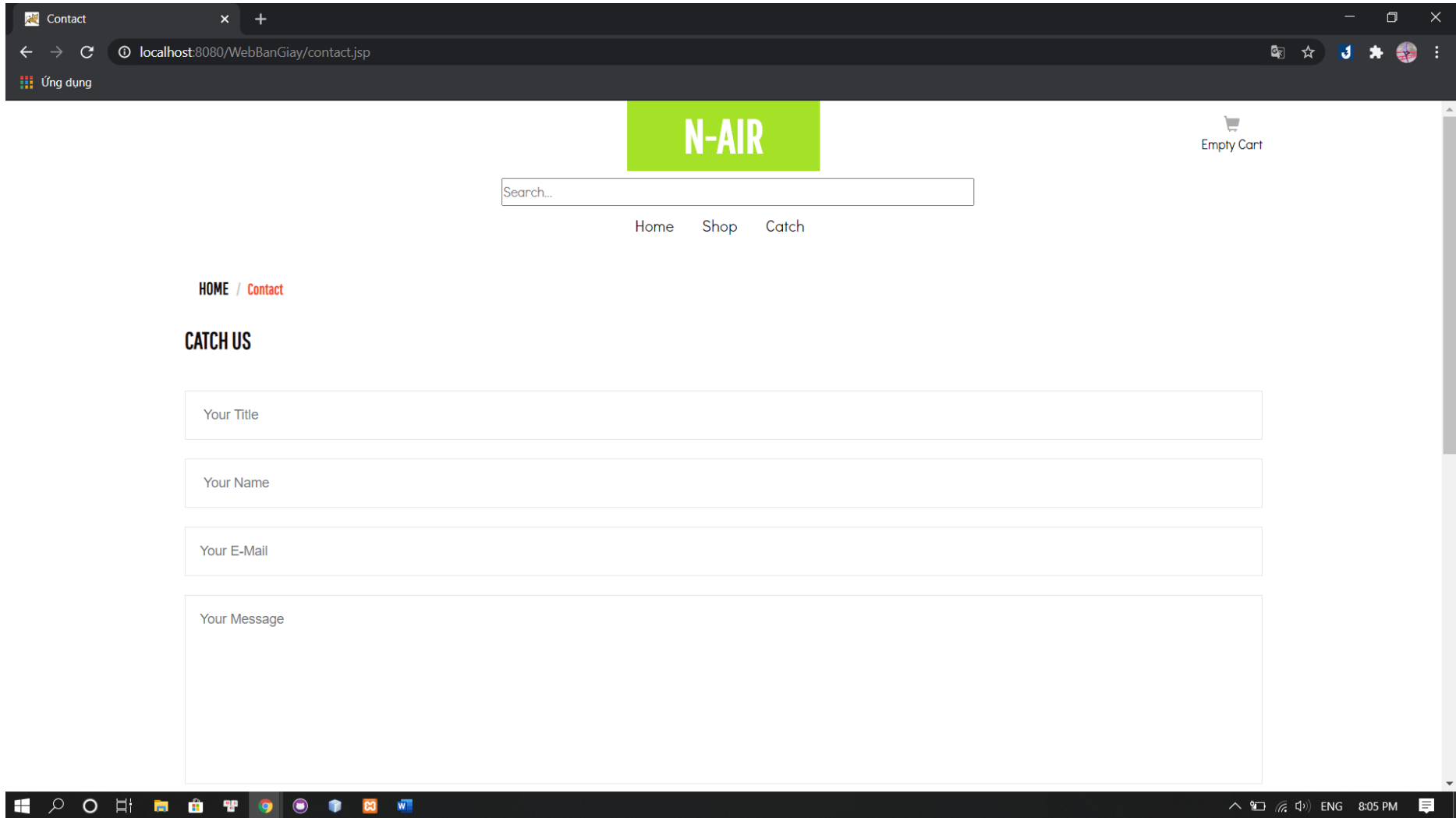


Figure 20: User- Cart

The screenshot displays a web application running on a local machine. The browser window has a single tab titled 'Buy'. The address bar shows the URL: `localhost:8080/WebBanGiay/BuyController?total=300.0&PlaceOrder=PLACE+ORDER`. The page content is a modal form with a light grey header labeled 'Information'. The form contains four text input fields stacked vertically, labeled 'Full Name', 'Address', 'Phone Number', and 'Email'. At the bottom of the form are two buttons: a prominent blue 'Buy' button and a dark grey 'Cancel' button. The Windows taskbar at the bottom of the screen shows various application icons and the system clock indicating 8:05 PM on 11/11/2023.

Figure 21: User- Order Information



Contact

localhost:8080/WebBanGiay/contact.jsp

Ứng dụng

N-AIR

Empty Cart

Search...

Home Shop Catch

HOME / Contact

CATCH US

Your Title

Your Name

Your E-Mail

Your Message

Figure 22: User- Contact

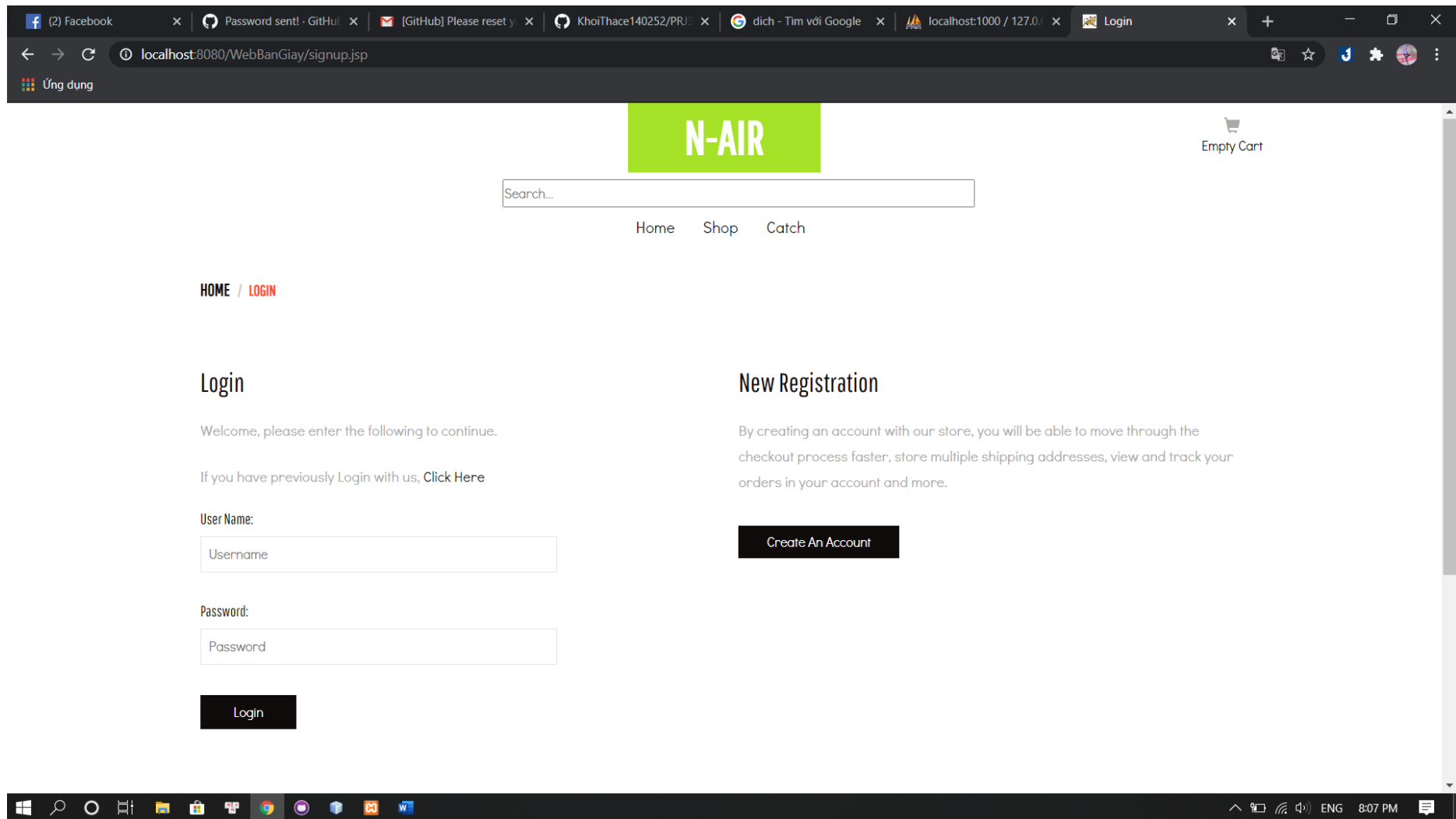
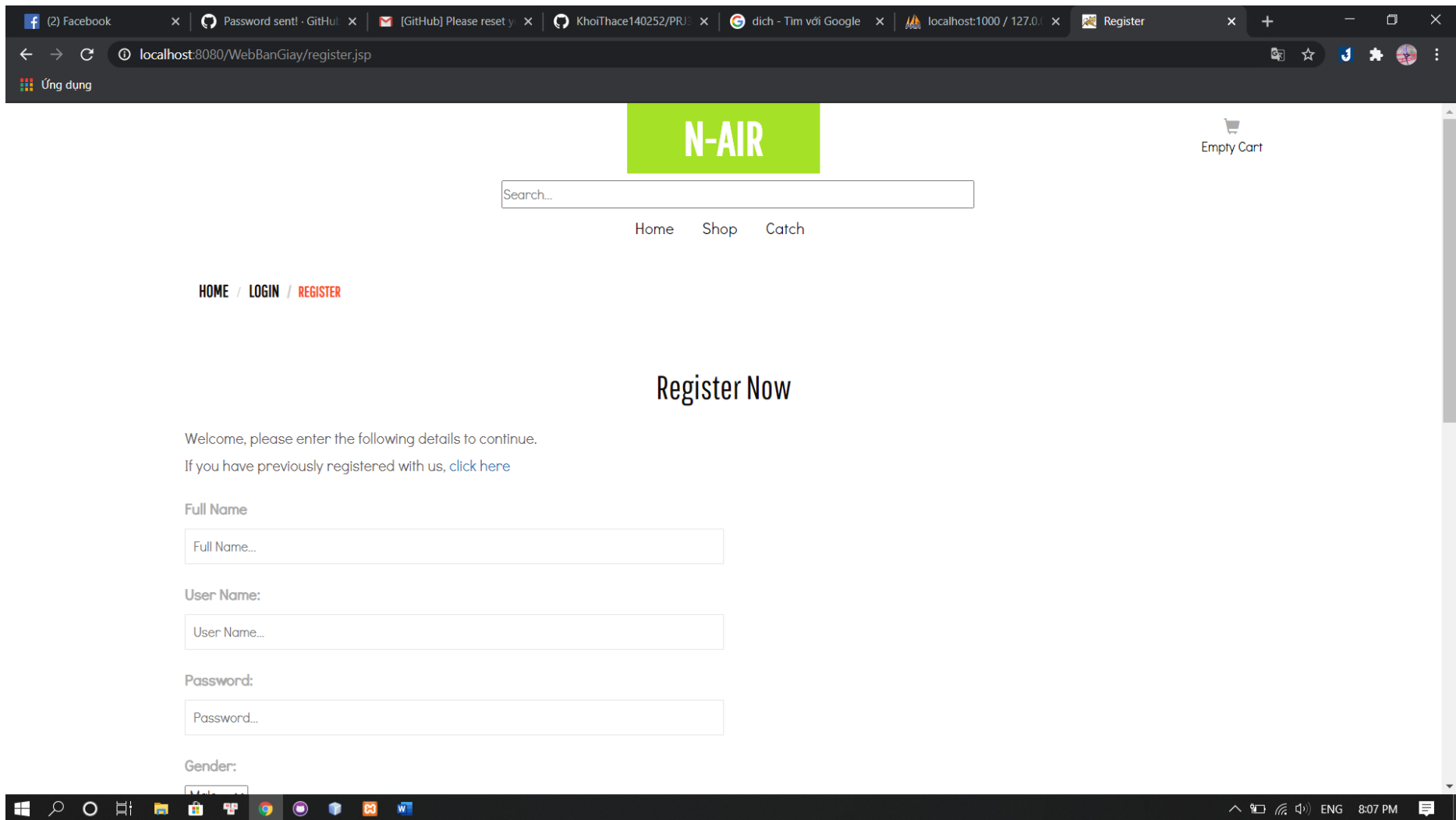


Figure 23: User- Login



(2) Facebook | Password sent! - GitHub | [GitHub] Please reset y | KhoiThace140252/PRJ | dich - Tìm với Google | localhost:1000 / 127.0. | Register

localhost:8080/WebBanGiay/register.jsp

Ứng dụng

N-AIR

Empty Cart

Search...

Home Shop Catch

HOME / LOGIN / REGISTER

Register Now

Welcome, please enter the following details to continue.
 If you have previously registered with us, [click here](#)

Full Name

Full Name...

User Name:

User Name...

Password:

Password...

Gender:

Male...

Figure 24: User- Register

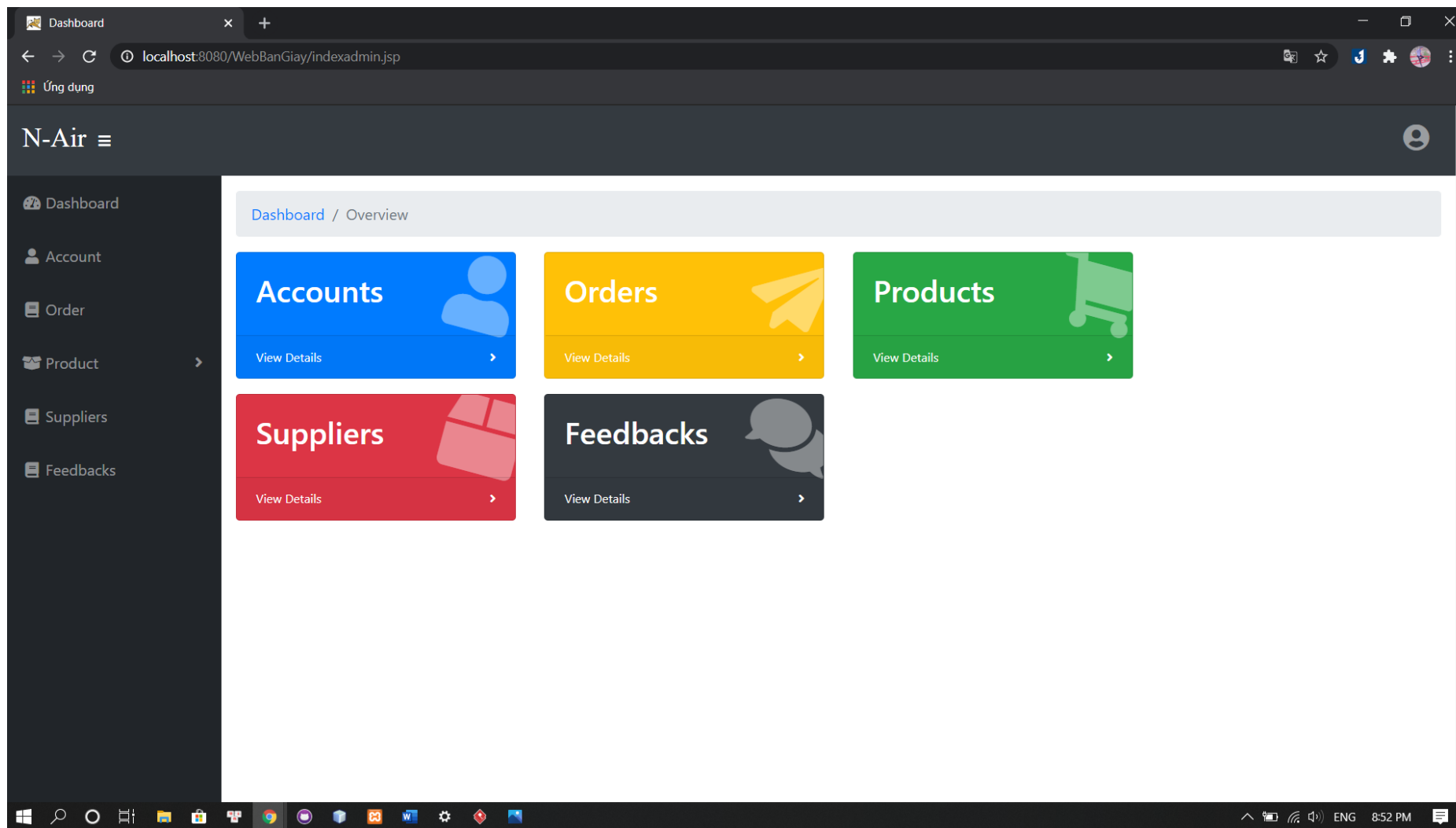


Figure 25: Admin- Dashboard

Admin - Account

localhost:8080/WebBanGiay/account.jsp

Ứng dụng

N-Air

Dashboard / Accounts

List Accounts

Show 10 entries Search:

Account ID	Account's Name	Full Name	Gender	Phone Number	Email	Birthday	Address	Number of Purchases	Role	Acc Stat
1	anhkhoi	Tieu Ha Anh Khoi	Male	0901011100	ginkizero123@gmail.com	2000-01-11	Hau Giang	0	Manager	Use
2	huudang	Chau Huu Dang	Male	0939777999	dangchce140529@fpt.edu.vn	2000-07-07	Ca Mau	0	Manager	Use
3	nhuthao	Vo Nhut Hao 123	Male	0979222999	haovnce140475@gmail.com	2000-05-11	Kien Giang	0	Manager	Use
4	thinhtien	Huynh	Male	0577967890	nhienht@gmail.com	2000-11-11	Hau Giang	17	Customer	Use

Figure 26: Admin- List Account

Admin - Orders

localhost:8080/WebBanGiay/order.jsp

Ứng dụng

N-Air

Dashboard / Orders

List Orders

Show 10 entries Search:







Order ID	Customer's Name	Products Name	Quantity	Total of money	Date	Address	Phone Number	Email	Status of Product	
1	Huynh Thi Nhien	Nike Metcon 5 Nike LegendX 7 Nike Tanjun Jordan Max 20	10	1167	2020-07-23	Can Tho	0902777999	nhienht@gmail.com	Already	 
2	Huynh Thi Nhien	Nike LegendX 7	7	1050	2020-07-23	Can Tho	0902777999	nhienht@gmail.com	Already	 
3	Huynh Ba Dat	Nike Metcon 5 Nike LegendX 7 Jordan Max 20 Nike Kyrie 6	4	767	2020-07-23	Sa Dec	0939657217	dathb@fpt.edu.vn	Already	 

Figure 27: Admin- List Order

Admin - Products

localhost:8080/WebBanGiay/productsadmin.jsp

Ứng dụng

N-Air

Dashboard / Products / Products

List Products [+ Add New](#)

Show 10 entries Search:












Product ID	Product's Name	Discount	Price	Quantity	Supplier	Type ID	Image	Quantity imported	Quantity sold	Status	
AT001	Nike LegendX 7	0	150	41	NCC-NIKE-001	11HZ72-9MA		50	9	Already	 
AT002	Nike Tanjun	0	100	43	NCC-NIKE-001	LG6Z7J-98V		50	7	Already	 
AT003	Jordan Westbrook	0	210	50	NCC-NIKE-001	BLS472-9F4		50	0	Already	 
AT004	Nike Kyrie 6	0	300	49	NCC-NIKE-001	BLA472-KJI		50	1	Already	

Figure 28: Admin- List Product

Admin - Product Informations

localhost:8080/WebBanGiay/productInfo.jsp

























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N-Air

Dashboard / Products / Product Information

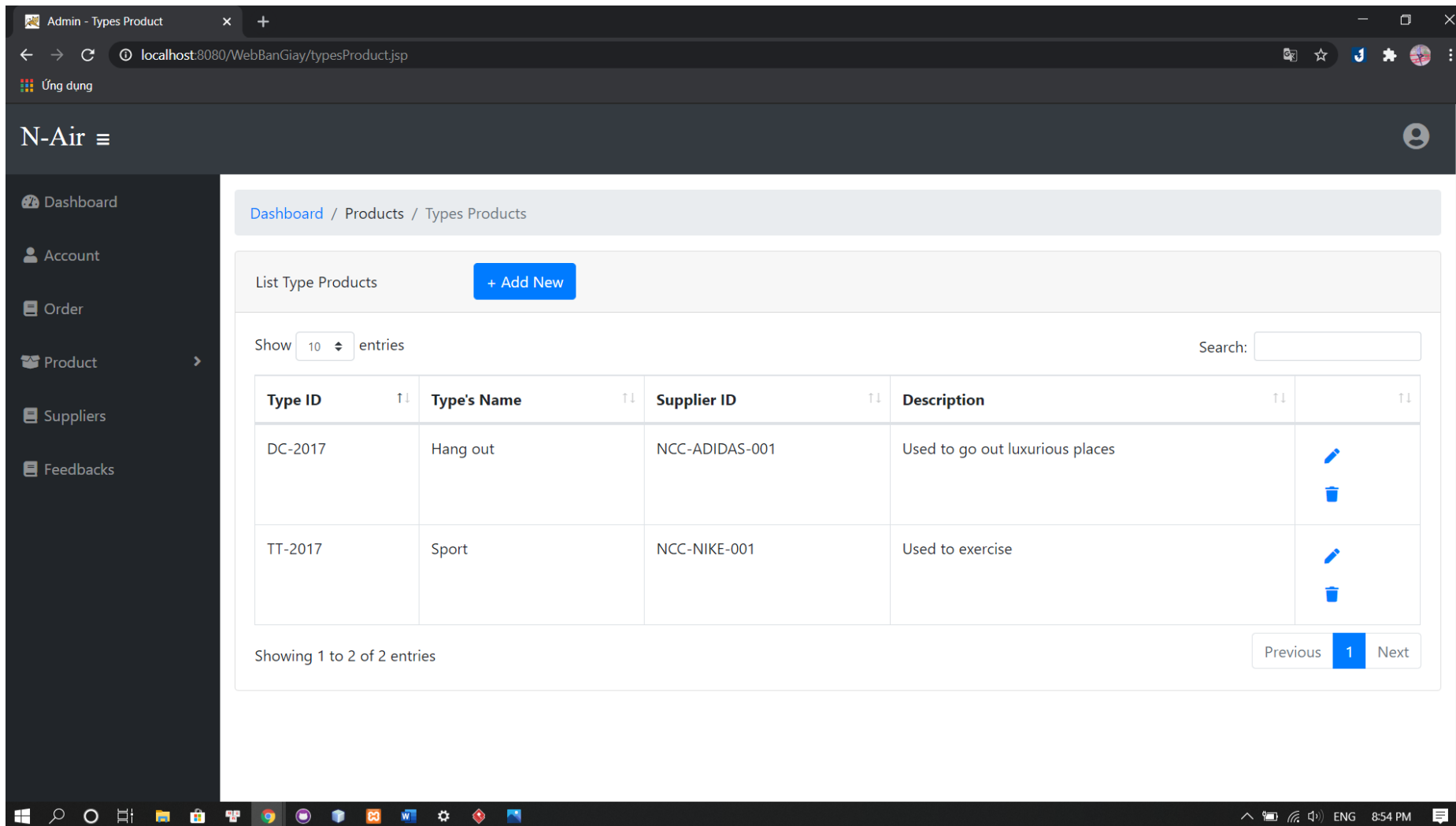
List Products Information [+ Add New](#)

Show 10 entries Search:

Product ID	Description	Image 1	Image 2	Image 3	Image 4	
AT001	The Nike LegendX 7 Club TF Shoe has textured synthetic leather lined with foam for great touch and durability. A rubber sole with studs gives you traction on turf surfaces.					 
AT002	Named after the Japanese word for simplicity, the Nike Tanjun Men Shoe offers a streamlined, modern design for an elevated everyday look.					 
AT003	Inspired by the edgy designs of Russell Westbrook Why Not series, the Jordan Westbrook One Take PF combines extra-durable traction and forefoot responsiveness to help players stay in control on outdoor courts. The clash of colours and materials gives it a chaotic style, aligning with Russ intense game and personality.					 
AT004	Featuring a mix of soft pastels with bright yellow and red accents, the Kyrie 6 Asia Irving					 

localhost:8080/WebBanGiay/productInfo.jsp#

Figure 29: Admin- List Product Information



Admin - Types Product





localhost:8080/WebBanGiay/typesProduct.jsp

N-Air

Dashboard / Products / Types Products

List Type Products [+ Add New](#)

Show 10 entries Search:

Type ID	Type's Name	Supplier ID	Description	
DC-2017	Hang out	NCC-ADIDAS-001	Used to go out luxurious places	 
TT-2017	Sport	NCC-NIKE-001	Used to exercise	 

Showing 1 to 2 of 2 entries

Previous 1 Next

Figure 30: Admin- List Type Product

Admin - Suppliers

localhost:8080/WebBanGiay/suppliers.jsp




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N-Air

Dashboard / Suppliers

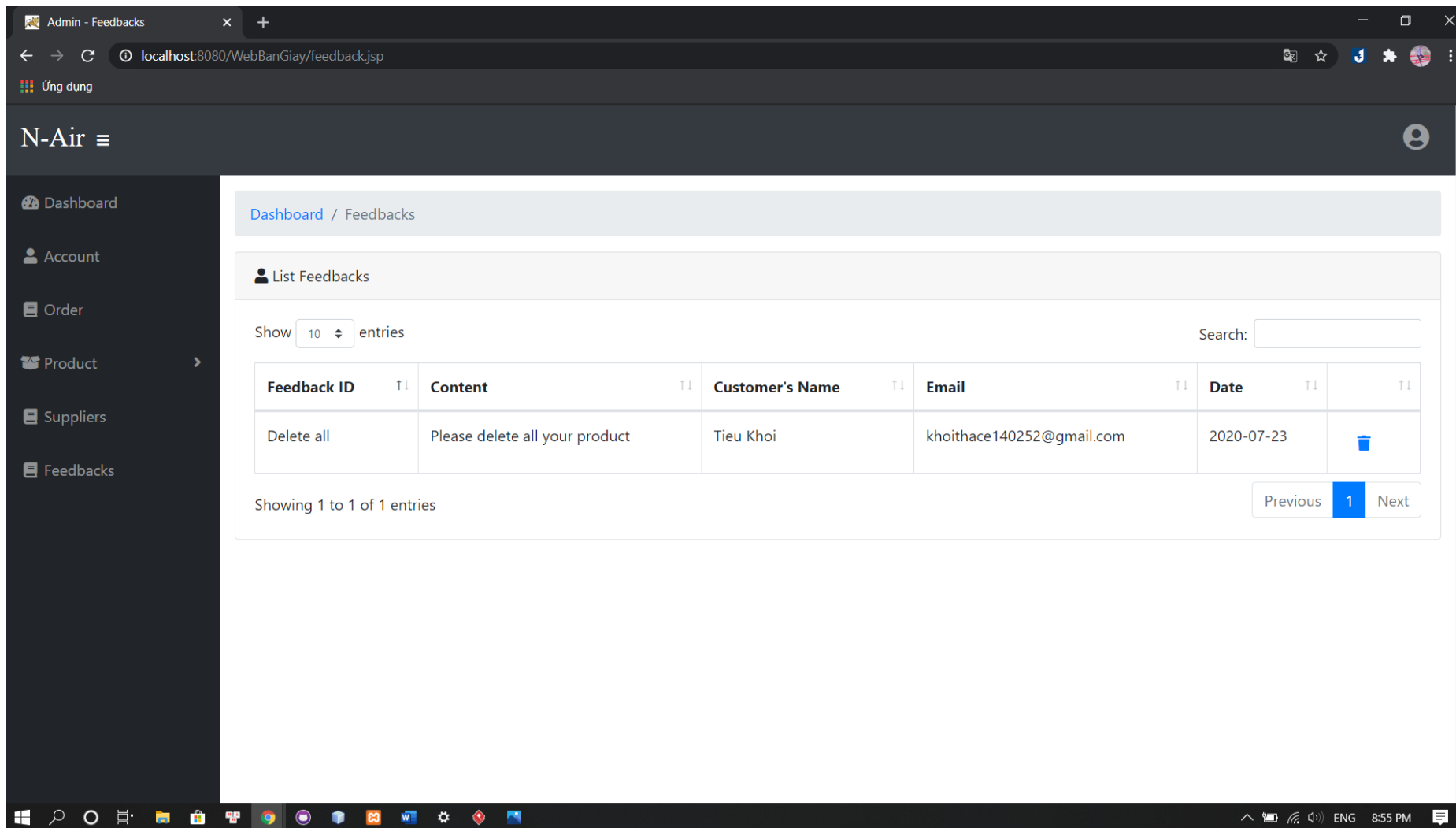
List Supplier [+ Add New](#)

Show 10 entries Search:

Supplier ID	Supplier's Name	Address	Phone Number	Logo	Description	Supplier Status	
NCC-NIKE-001	NIKE	USA1	01697638366		Nike is one of the leading manufacturer and supplier of sports equipment, footwear and apparels. Nike is a global brand and it continuously creates products using high technology and design innovation. Nike has a vast collection of sports shoes for men at Snapdeal. You can explore our range of basketball shoes, football shoes, cricket shoes, tennis shoes, running shoes, daily shoes or lifestyle shoes. Take your pick from an array of sports shoes in vibrant colours like red, yellow, green, blue, brown, black, grey, olive, pink, beige and white. Designed for top performance, these shoes match the way you play or run. Available in materials like leather, canvas, suede leather, faux	Already	 

Windows taskbar: 8:55 PM, ENG

Figure 31: Admin- List Supplier



Admin - Feedbacks

localhost:8080/WebBanGiay/feedback.jsp

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N-Air

Dashboard / Account / Order / Product / Suppliers / Feedbacks

Dashboard / Feedbacks

List Feedbacks

Show 10 entries Search:

Feedback ID	Content	Customer's Name	Email	Date	
Delete all	Please delete all your product	Tieu Khoi	khoithace140252@gmail.com	2020-07-23	

Showing 1 to 1 of 1 entries

Previous 1 Next

Figure 32: Admin- List Feedback

4.3 Flowchart

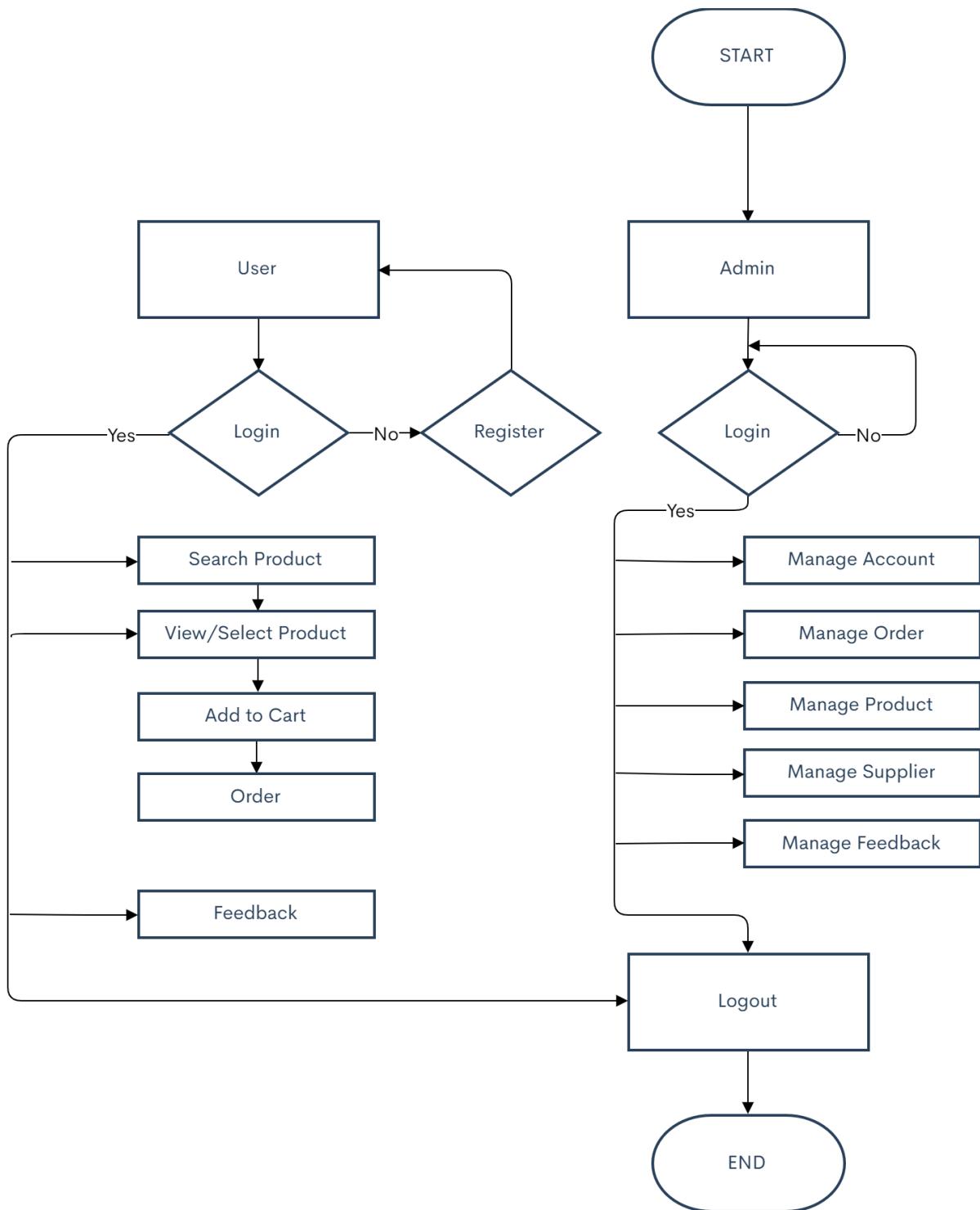


Figure 33: Flowchart Diagram

CHAPTER 5: CONSOLUTION

5.1 The advantages of program:

5.1.1 About user:

- The methods of searching and searching by price, product lines combine many topics, many types of products according to customers.
- View detailed information about commercial products and full information of Nike shoe store.
- Allows registration information to view and purchase products.
- Check the validity of customer login information.
- Create an order.
- Can run on many browsers.

5.1.2 About admin:

- See information of items to be managed such as: Customers, products, orders
- Update or delete data
- Can run on many browsers.

5.2 The disadvantages of program

- The connection between server and database is slow
- This is obvious because the bridge settings must go through many levels. The only way is for the server to run on a machine with a strong configuration.

5.3 Development direction of the project

- The development direction of the website and the group is towards an e-commerce website with many convenient features and suitable for users. How to make the product stand out and be different from other websites.
- The main problem of the website is serving advertising. Since then, besides selling, it is also required to attract customers to design and install a software of a specialized field.

- Therefore, it is necessary to supplement the following functions: checking website visits, import and export statistics, inventory.
- Although we have tried to complete the requirements, the report still has many shortcomings looking forward to receiving the contributions of teachers, to help our website be more complete.