

Project (Information Systems & Multimedia)

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**Investigation of role-based access in a web server
enabled using database system of sale and delivering
of clothes and other fashion accessories in Fashionista
Company Ltd.**

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Investigation of role-based access in a web server enabled using database system of sale and delivering of clothes and other fashion accessories in Fashionista Company Ltd.



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Abstract

Nowadays, Online shopping are very trending and successful business area in Myanmar. Therefore, I got an idea of “Online Fashion Shop”, online shop website to expand old manual offline retail sales from online. As with this new implementation, the new market will be gained in more advanced system than old manual paperwork. There can be more opportunities in business area and the company can also gained good image via offline retail stores.

In developing the system, I have met some issues and some expected results are not finished and some are left for the future development. By using DSDM methods, it helps a lot to progress and some backtracking has useful for the project. As from this project, backup and recovery process for the development are the most important. At the end of the project, most of the functions are finished well and some are left for the future development. So , customers can order the products without any problems.

Acknowledgement

I really special thanks to my supervisor, U Zin Wine Shein (KMD Institute), who helps and guided to me all the time for improvements of this report about Investigation of role-based access in a web server enabled using database system of sale and delivering of clothes and other fashion accessories in Fashionista Company Ltd and he always provided and give ideas what I needed and when I have difficulties with this paper.

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Chapter (1) Introduction

1.1 System Background and Current Business Process

System Background

The Fashionista is a successful fashion shop in Myanmar which is established in 2012. In 2012, the Fashionista began to expand and today the shop has franchise in Yangon, Mandalay, Taunggyi, Pyin Oo Lwin in Myanmar. The first branch is in Yangon in Myanmar. The products are mainly clothes directly from Korea, Thai, Chinese and other fashion accessories which are now trending. The customer can choose the sizes and clothes based on their fashion senses freely.

Current business process

The **Fashionista** shop is now currently working as manual system. They record the stocks of items, sales, payments in books. The shop imports the items from Thai and Chinese by ordering with phone and they record the inventory and supplier payments in book. The ordering items from supplier are paid with visa card with card payment systems. The shop keeps the customer record with manual system in record book. In purchasing systems from customer, the shop gives a receipt of purchasing items with paper to the customer. Therefore if there is some problem in purchasing, they can show the receipt and our shop will solve the problem.

1.2 Proposed System Scope

1. Customer registration

This is the one of the most important for this online shop system. For buying the items from our shop, the customer must to register account first by filling the detail information. Need to be correct information for processing order items and make delivery to the customers' place. For our "Fashionista" website, the customer can view the items first no need to do anything but if he decide to buy something, he need to register account. So customer need to register by clicking register button and filling the form. If customer filling is something wrong, there can be some problem in making delivery process because of lack of information. So ordering process can be denied by lacking information

2. Product managing

This is the most essential part of the whole system. For the customers to view the items and buy from our shopping website, there need to be product. The staff admin will manage the products by register, update or delete. The products will be categorized by sub category and main category.

3. Purchasing

The retailers can easily purchase products from supplier. The Fashionista company purchase most of the items from Thai and Chinese which are from oversea. As our system is changed to the computerized system, we can easily contact to the suppliers.

4. Ordering

Online shopping website now very a lot from both oversea and local. Most of the people are also very interested in online ordering nowadays. Because it can save time and can buy from online everywhere and every time they are. So our company need to change to computerized system which include order process. For ordering process, customer can add to cart their items what they want to buy, can add to wish list and before ordering they can also checkout their items are correct or not. After that they can choose payment method and confirm to order.

5. Delivery

Our company need to have delivery system for delivering the products to the customers' place. The admin will look order report and make delivery to the customer's place.

1.3 Aims and Objectives

The aim of the system for my company is to open other brunches not only in our Yangon but also in other countries in Myanmar. Therefore we must need customer to use our systems very comfortably, easily and get enjoyment. Our system aim is that the customer can order about any types of clothes and fashion accessories from online using our systems. Therefore they don't need to come to our shop to order items. And the customer can also make order freely at anytime and anywhere by using new system. They can choose the various types of clothes which are grouped as with each category. They can use our systems very easily. For doing above processes, the customers only need to register account and log in. By doing this system, I strongly believed that the customer can be enjoyed for shopping at our shop. And then the system will also be comfortable and easy to use by the staffs. The staff can know which customer orders exactly and so they will not wrong record for the orders for customers. Changing the manual way to the best way which is the computer system, the online method. Ordering items such as clothes and accessories from the website and delivering process are very easy and comfortable for the customer than the manual method. And then it is more unique than manual system. It will reduce man power that they don't need to go to the shop to buy clothes and they can reduce the wasting time. On the manual system, if there are crowded people, they do need to wait long time. But in online system, they only need internet and phone and they can order items within minutes and there is no crowded people. The website is created user-friendly. The website is designed clearly for the user because this is the first time for the user to use the system. If the design is complicated, the users cannot understand how to use and they don't want to use the system. It need internet for the users to use the system to order items. The customers need to fill their information to register and then login. They can paid on cash on delivery or card systems and so the customers can choose the paying method they like.

1.4 Current Problems

The **Fashionista** shop is now popular and so there are many customers who they want to buy from online because it is easy to shop from online. That is because the customers have problem is finding the designs that they want. They want to shop easily by using online systems from anywhere. And then there is also so much delay in manual processing. When there are many customers to shop at the same time, our shop staffs cannot handle very well and there is not enough manpower. For the recording, they need to record inventory stocks, payments, customers, purchasing, supplier payment with manual system in book. Then we need to copy these data to store and not to lose. Therefore it makes a waste of paper using and not necessarily need. In purchasing for the customers, some customer do not want to interact with staffs directly and they want to buy from online, so there can be some problems. There can be delay in finding the items what the customers want.

Order problems

Nowadays, there are so many online shops and deliveries systems are increased and most of the youths like to use online shopping more than going outside to shopping. The company's brand and profits will be increased rapidly when online shop system is successful and well-known. For my system, the **Fashionista**, fashion retail shop, it currently run the business with manual and offline system. Therefore the customer need to order the items by making directly phone call. Sometime, the staffs record the wrong calls with wrong customer and delivery the items wrongly and the staffs also forgot to record the order sometimes. So if the wrong orders arrive or did not arrive the order, the customers contacted to the shop and problems begun. As my system use only traditional method of ordering and delivery system, we only accept the cash on delivery service and there is no online payment system yet.

Payment problems

Now our company is using the manual system in payments. Therefore sometimes staffs may make some mistake in calculations. This is the weak point of the manual system that decreased manpower and take a lot of times. Therefore customer need to wait for the calculations long time because the staffs in cashier need to records the data in the book and give receipt to the customer.

Delivery problems

Sometimes the staffs from our company make wrong place to deliver the items or wrong items deliver to the customers. That can happen issues in between customers and owner. In manual system, we only record with book so staff may record the wrong data for delivery.

1.5 SWOT Analysis of Current business system

Strength

Easy for staffs

As our system is originally doing as manual system and so every record are keep with books. So every staff can do because it does not need any technical skill and IT knowledge to use. They only need enough knowledge to record data with book.

Easy for every customer to buy

As a manual system, for buying the items from our shop, the customers only need to make phone call and come to our shop to buy. This is easy for every education level of customers. There can some customers who cannot use internet well.

Weakness

Take a lot of time for finding data

As a manual system, our data, information, payments are only recorded with book. Therefore there can be a lot of record books. So if we need to find some record, the staffs need to take a lot of time to find the data and cannot be found easily.

Not available for data backup

In manual system, we don't have data server to back up data information. So if some record books are lose or ruined because of unexpected conditions, we will lose the data forever and can get issues.

Opportunities

Get customer trust

As a manual system, we don't need to afraid of server breakdown. So customer do not need to afraid of losing their payment. Some people afraid of online shop because they afraid of losing their money and not getting the items. In manual system, customers do not need to worry about these problems.

Exchange products available

If the customer buy the items from our shop and some problems occurs in our items, they can bring back to our shop and we take the responsibility and exchange the new items back easily. But it is only available for 24 hours.

Threats

Due to unreliable and fake staff , data can lose

Our current business system is doing as manual system, there is no need to register the staffs. So we cannot know which staffs are real or not. And every record are book and there is no great enough security, so fake staff can copy release these data to other places easily.

Company places rental price for the shop are expensive

In manual system, we need to rental the place for the shop to show the items and selling to the customers. These rental prices are expensive and sometimes if business is not good, we can ruin the business process. So we cannot afford a lot of discount for the items for the customers to get more sale growth rate.

1.6 Estimated Cost

Business Cost

As this system will be changed from manual to computerized online system. This system is both for staffs from the “Fashionista” fashion company and customers to buy from our shop. So firstly, the company need to train the staffs to use technical devices. The training cost will be estimated about \$2000 as there are many staffs in our company. Sometimes our system may need to upgrade the functions or errors may occur so for hiring the software developers will be cost a lot about \$10000.

Software and Hardware Cost

No.	Software	Price	Unit	Duration	Total Price
1.	Microsoft Office	\$150	6	1 year	\$900
2.	Windows 10 license	\$129	6	1year	\$774
3.	Bitdefender Antivirus	\$59.99	6	1year	\$360
4.	Browser	Free	6	Unlimited	Free

Table (1). Software Estimated cost

No.	Hardware	Price	Unit	Total Price
1.	Dell laptops	\$789	10	\$7890
2.	Dell Computer	\$500	6	\$3000
3.	Intel Core i7 motherboard	\$300	6	\$1800
4.	Printer	\$400	4	\$1600

Table (2). Hardware Estimated cost

Chapter (2) Literature Review

2.1.1 Methods

Dynamic Systems Development Method (Agile)

An agile project delivery framework, DSDM, which is used as a software development method. The DSDM Framework covers a wide range of activities across the whole project lifecycle and includes strong foundations and governance. DSDM is sought to provide to the RAD, rapid application development method. DSDM is an iterative and incremental that embraces principles of Agile development, including customer involvement. It fixes quality, time, cost at the outset. It is used for non-IT solutions and developing software.

There are eight principles underpinning DSDM . These principles direct the team in the attitude they must take and the mindset they must adopt in order to deliver consistently.

1. “Focus on the business need”
2. “Collaborate”
3. “Deliver on time”
4. “Never compromise quality”
5. “Develop iteratively”
6. ‘Build incrementally from firm foundations’
7. “Communicate continuously and clearly”
8. “Demonstrate control”

(agileKrc, n.d.)

Object-Oriented analysis and design (Waterfall)

Object-Oriented analysis and design ,a technical approach is used in the analysis and design of a system through the application of the object-oriented concepts including visual modeling. OOAD is applied throughout the fostering better product quality, development life cycle of the application system, and encouraging stakeholder participation and communication.

Since there is no clear process involved OOAD is best applied iteratively, but each aspect where OOAD is applied is refined as it is reused. This reason is major portions of the designs are based on the entire aspects of the system and on the entities rather than on individual functions and code. This makes it easy to add functionality and behavior and allow the system to gracefully accept change. The modular approach of OOAD is enforced whose goal is to break down the system into smaller units, called objects, or the problem that can stand on their own and be changed without affecting the ones around them too much.

(Anon., 2020)

Comparison of Agile and Waterfall

Agile (DSDM)	Waterfall (OOAD)
Changes oriented	Carefully planned
Product Mindset	Project Mindset
Minimal Paperwork	Comprehensive and extensive documentation
Iteration, all processes	Fixed and separated stages
Short feedback loop	No feedback until the testing stage
Unit testing	End Product testing
Unclear Requirements	Fixed Requirements
Concentrated on revenue	Concentrated on cost
Full of transparency	Lack of transparency
Constant researching	Preliminary researching
Efficient and timely risk-preventing	Risk-averse

Strengths of Waterfall

- It is easy to use and understand.
- It provides requirements stability.
- It provides a reference to inexperienced staff.
- It facilitates strong management control, such as staff, plan
- Works well when quality is more important than cost or schedule.

Weaknesses of Waterfall

- All requirements are to be known upfront.
- Integration is one big-bang at the end.

- It can give a false impression of progress.
- It has less opportunity for the customer to review the system.
- Every step is final and so developers can't go back to previous stage and make changes.

Strengths of Agile

- It is team-based approach
- It allows developer to make changes, can add new features and keep with evolving trends.
- Testing can be performed at each stage. Meanwhile project priorities can be evaluated at the end of each sprint.
- Project can be launched sooner Since testing happens almost simultaneously

Weakness of Agile

- If it is mismanaged, projects can turn out to be code sprints with no end in sight.
- For management vision, lack of definite plan calls and final project could be different from what was planned with documentation.
- Lack of emphasis on documentation.
- The sprint, team based approach might look much like shooting a movie. For an outsider, it's almost impossible to tell who's working on what.

Recommendation of one methodology to be used

After comparisons of above the two methods, the methods that should be used is Agile methodology. The reason is that it is easy to understand, easy to use for both customers and developers. For my system, I think Agile method is the most suitable. While developing with agile method, we can return to the previous stage and we can update and fix the programs if it is needed.

(Kukhnavets, 2019)

2.1.2 Language

PHP

The most famous language, PHP which is a script language and interpreter that is freely available. PHP is originally derived from Personal Home Page Tools, now it is stand as Hypertext Preprocessor. PHP executes on the server, while a comparable alternative, JavaScript executes on the client. PHP is an alternative to Microsoft's ASP Technology. As with ASP, the PHP is embedded within a Web page along with HTML. Before the page is sent to a user that has requested it, the Web server calls PHP to interpret and perform in the PHP script. PHP is free and offered under an open source license.

(Anon., 2020)

Java

Java was developed in the mid -1990s. Java which is also the most successful and famous programming language can produce software for multiple platforms. Java produces applets which facilitate the graphical user interface (GUI). It is the best for providing android applications and it is object-oriented programming language. Java can be run easily not only in single computer but also for distributed servers.

(Rouse, n.d.)

Comparison of PHP and Java

Java	PHP
Complied programming language	Interpreted Language or script
Complied into bytecode and run on a virtual machine.	Code can be run as in their respective environments i.e. server.
More difficult than PHP	Easier to use and favor programmer productivity.

(Anon., n.d.)

Strength of PHP

- It is very easy to use .
- It is fast since it uses system resources.
- Open source language which is developed by a large group of PHP developers, which will help in creating a support community, extension library.
- Can connect to database easily using PHP, since websites are data driven, therefore we use database frequently.
- Can be run on many platforms, such as Windows, Linux and Mac.

Weakness of PHP

- It is not suitable for large applications.
- Since it is open source, all people can see the source code, if there are errors in the source code, it can be used by people to explore the weakness of PHP.
- Hard to maintain because it is not very modular.
- Need to learn a lot about PHP frameworks

(Solutions, 2018)

Strength of Java

- It is easy to write, use, compile, debug.
- It is easier to learn than other programming language.
- It uses automatic memory location and garbage collection.
- Can transfer easily from one computer system to another.
- Has the features of Stack allocation system which help the data to be stored and restored easily.

(Onwardacademy, 2018).

Weakness of Java

- The look and GUI applications written in Java using the Swing tool is very different from other programming language
- It is much slower and more memory consuming than complied languages such as C and C++
- Not a web language and need a lot of layers and frameworks to create web page.

(Habib, 2016)

Recommendation of one language to be used

Among the two languages that I mentioned above, PHP is the best to be choose. It results in faster site loading speed. Php can run codes much faster than other languages because it runs in its own memory space. PHP is most flexible for database connection. In PHP, most of the tools associated with the programs are open source software therefore you don't need to pay. It can connect to several databases. PHP can run on both UNIX and Windows servers. PHP is cheap, secure, fast and reliable for developing web applications.

2.1.3 Database

MySQL

MySQL, an Oracle-backed open source “RDBMS”, Relational database management system which is based on SQL(“Structured Query Language”). It can run on almost all platforms such as Windows, Linux and UNIX. It is associated with web applications and online publishing.

MySQL mainly base on a client-sever model. The core is MySQL server which handles all of the database instructions. It is available as a separate program for use in a client- server networked environment and as a library that can be linked into separate applications.

(Glossary, 2020)

Oracle

It is one of the largest vendors in the IT market. And it is the shorthand name of RDBMS that's called Oracle database. It is one of the most trusted and widely-used relational database engines. It is built in which data objects may be directly accessed by users through SQL.

(Anon., 2017)

Comparison of MySQL and Oracle

MySQL	Oracle
Free download and installation	Cost for download. It is not free.
Does not support XML.	It supports and uses XML.
Does not have the audit vault feature in the server.	It provides audit vault facility.
Does not offer tools at enterprise level	It offers tools at enterprise level
Has only table locking facility.	Provide the row locking facility.

Strength of MySQL

- Open-source method.
- Very easy to use.
- It is incredibly cheap.
- It is an industry standard.
- Support is available whenever necessary.

Weakness of MySQL

- It has a few stability issues.
- It suffers from relatively poor performance scaling.
- Development is not community driven,
- It tends to be heavily dependent on addons.

(Anon., 2020)

Strength of Oracle

- Oracle databases is stable.
- There are a lot of support and documentation for it.
- It is relational database which has a mathematical basis.
- It is reliable and competent database system.

Weakness of Oracle

- Complexity and complicated in building oracle database.
- Its cost is expensive for using.
- Difficult to learn and use.
- Oracle is not suitable for small and medium projects

(Sullivan, n.d.)

Recommendation of one DBMS to use

For these two databases, I think Oracle is better to use because it has many sources to learn. Oracle has many benefits. But my recommendation for my system is a MySQL software to be used. MySQL is suitable for my system to be used because it is easy to use and price is cheap. MySQL is user friendly system and easy to train the staffs to use.

2.2 How to apply DSDM 8 Principle

Principle 1. Focus on business need

The software developer need to understand what are business priorities and main requirement of the process. Before making the system, they need to make the decision which are for achieving the goals of the project. And our current business is in manual and so the developer need to know well what the owner want to upgrade and what function what they want to added to the web system. The developer need to make survey for getting requirements of what the owner want to do.

Principle 2. Deliver on time

For delivering the project on time to the owner, the developer need to use MoSCoW prioritization. MoSCoW technique helps the teams member to make prioritse of the business requirements. For developing the system, we need to have deadlines for controlling in changing requirements. The teams need to use timeboxing, MoSCoW to manage their time. So if we use these techniques, the developers can deliver to the shop owner on time.

Principle 3. Collaborate

Staffs from our shop who are working with manual system should need to make collaboration with the DSDM team. The teams and staff need to work as one unit for getting higher performance, to encourage understanding and shared ownership.

Principle 4. Never Compromise quality

Before starting the system, DSDM projects need to be fixed on quality and must be decided at the start of the project. The final deliverable product should not be less than the quality that are already decided. DSDM teams always need to make testing and testing should be early in the project. As our system is online shop, the quality of the system is essential. There must be nothing wrong in every process. The quality of the system is best for the customer to use easily, comfortably. The system must be great and easy to understand for the customers to use.

Principle 5. Build incrementally from foundations

DSDM requires the foundations of the project to be agreed early not like other agile methods. But the foundations does not need in detail , but to know what the problem is and how to solve them. After foundations are established, solutions must be delivered incrementally. The team member test the system which are not finished and give feedback what there was errors or what process are need to add in the system.

Principle 6. Develop Iteratively

This is the best for DSDM developing methods and easy for the team members. DSDM method can go back to previous stage and they can change everything by iteration. If the owner want to update the requirements or process that they want to change, the DSDM team members can easily go back and fixed.

Principle 7. Communicate continuously and clearly

If the team members and owner had bad communication, it can lead project to be failure. DSDM need improve communication by making face to face discussion, show prototyping and make workshop sessions.

Principle 8. Demonstrate Control

For this principle , the project need to be controlled by all the time. The team need to show the incremental process and iterative process to the stakeholder and other member from the business team. So both business team and developer teams need to control the project all the times.

(Buehring, 2020)

2.3 DSDM Filter Question

1. New system project need to have prototyping or not need?
 - Yes
 - The project developer need to make prototype first for the owner to show that the system is suitable for the business and satisfied about the system or not. The team can make project after showing the prototype

2. New web system is complex in computational or not?
 - No
 - In this project, computational complex cannot be found because the data of calculation can be fixed and updated easily in this system.

3. New system have time box or not have?
 - Yes
 - The system will be make by using timebox techniques for delivering the system to the owner. The DSDM developer need to make timebox plan for each process.

4. New web system should have user involvement or not?

- Yes
- Both current manual business process and new system have user involvement.
This system is target for both staff from the Fashionista and customers.

5. New system project have collaboration or not have?

- Yes
- In this new system, both business team and developer teams need a lot of collaboration to reach the goal of the system and to be the successful system without any error.

Based on these DSDM filter questions, the new online shop system is suitable with DSDM methods to develop the system.

1.7 Legal, Social, Ethical, Professional Issues

Legal Issues

Copy right issues

Our system web page is only for the shop. There are also many similar systems like our project in website. There are also design and coding which is open source in website. Therefore if the software developers writing the project and without noticing copy rights law. Our shop, Fashionista can get issues and our images can be ruined. So if it is happen, the developer need to take responsibility for breaching the law, and our system also must have copy right law for not copying and taking data by others.

Cyber attacking

As our system is web based online shopping system, we need to take care everything. In our system, we have customer information , payments and other important information. We need to make the system with best security not hack by internal or external hackers. Internal problems is that sometimes if the virus is on our computer and our system can break down or information can be released to the public. Therefore, employees need to install anti-virus software, firewall, and security for the system.

Social Issues

Payment Confirmation

For getting customer trust, our system need to give alert for payment confirmation without taking money by not showing anything. Sometimes our system has already give confirmations but causes of internet connections or something errors, it may not show the alert. This can be issues between customers and company.

Product Quality

Our company must need to sell the correct items from online. If the products from online and getting the items after buying are completely different, we can lose customers. That's why we need to sell items with suitable price.

Ethical Issues

Staff lacks in ethical

Our company need to hire the staffs who are good ethical and responsibility. The staffs may break the laws by making leaking customer information. If the customer information is leaked to the outside, the staffs must take responsibility.

System standard

This system is mainly used by the customers. So the system need to be good quality and high standard for getting impression by customers. The system need to be neat and simple.

Professional Issues

Lack of staff technical skill

Our system, fashion shop is originally doing as manual system. And then we change to the online web-based system. Therefore, there can be some staffs which are lacking in technology knowledge and enough IT skill in using websites, updating information and solving the errors if something happened. That's why before using the system, we need to give training for the staff to use our web system easily.

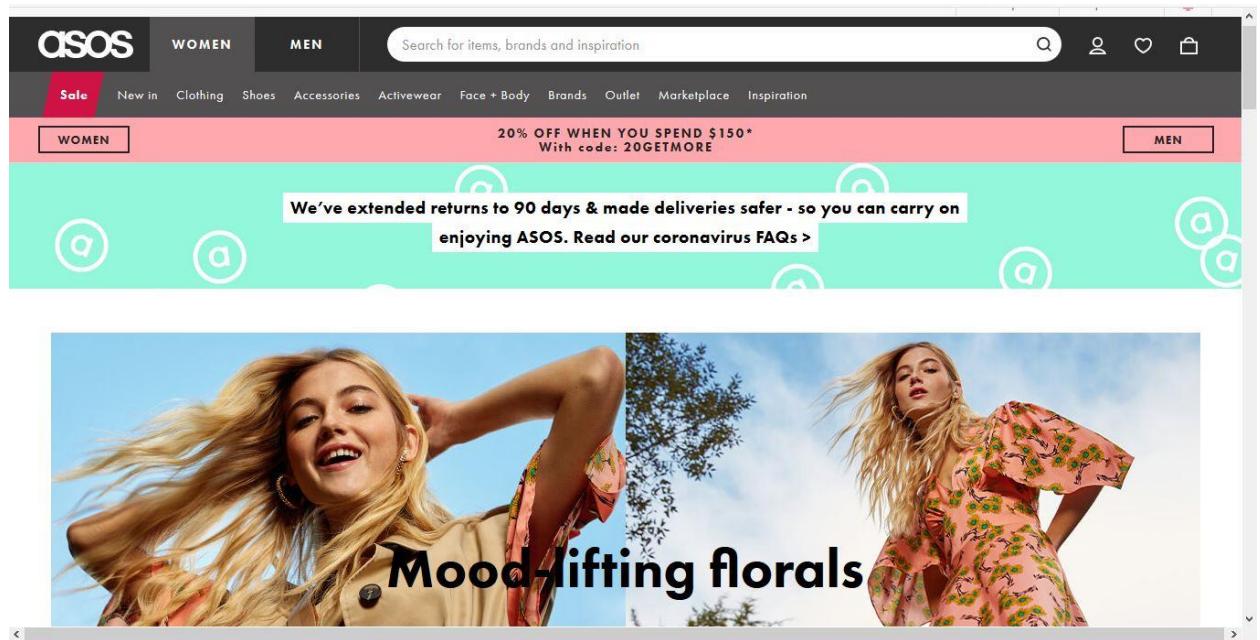
Server Breakdown

Our web -based system is based on internet access and sometimes there can be server shutdown because of a lot of customer registration, internet condition, and unexpected weather condition. Sometimes sever can breakdown because of hackers to make our system ruin. If this happens, we need to time to solve and fix the problem. And it can make customers not satisfied.

Chapter (3) Investigation of the similar system

Comparison of Similar Systems

Asos.com



<https://www.asos.com/us/women/>

Asos shop is based on UK but it is one of the biggest online retailers shop. It founded in 2000 and the website give a lot of range from designer and selections. This shop is leading in this industry and for clothing most of the people know this shop.

Urban Outfitters.com

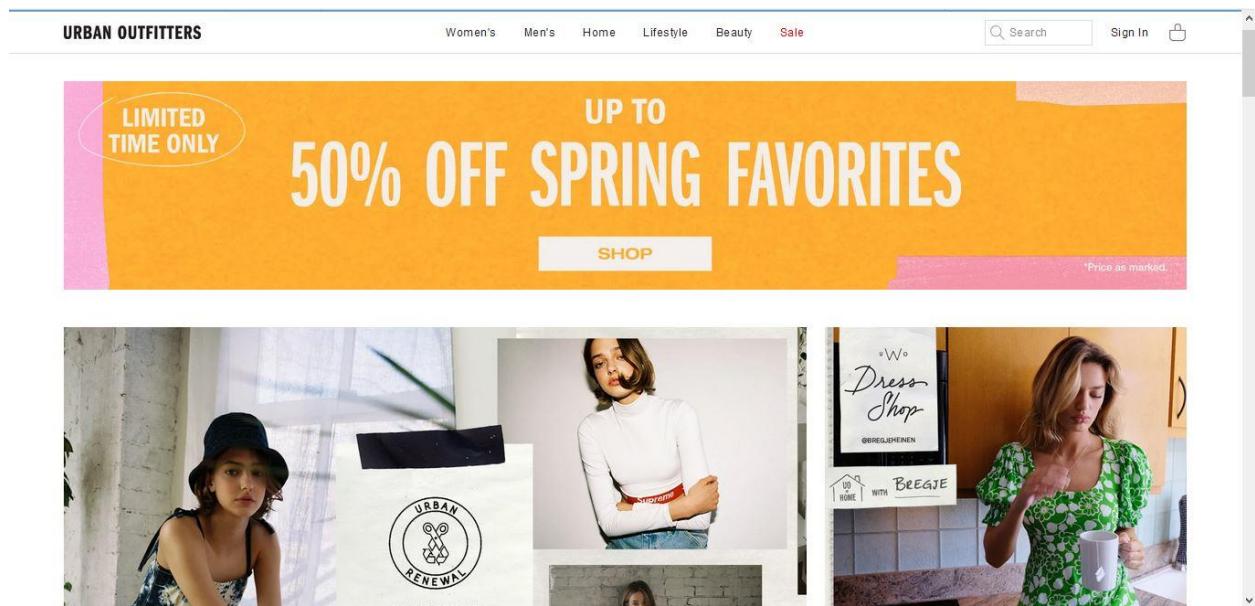


Figure2. Similar system two

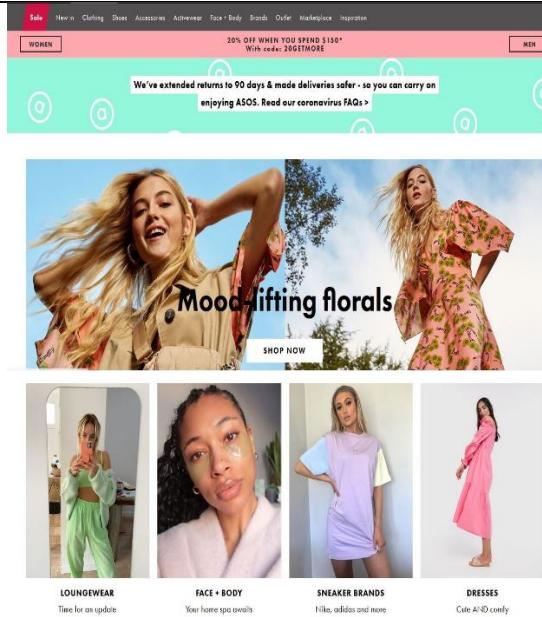
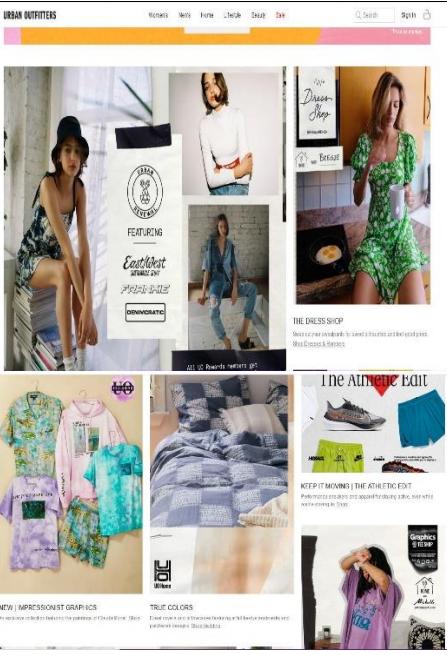
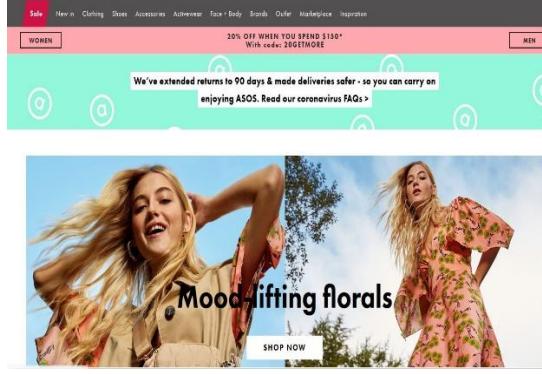
<https://www.urbanoutfitters.com/>

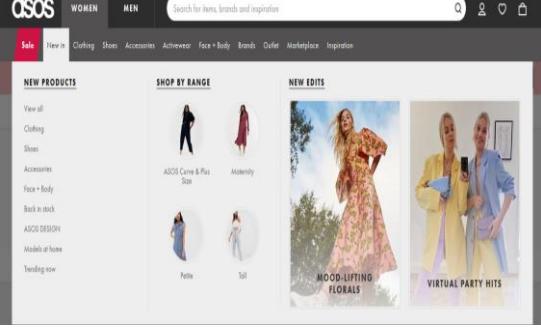
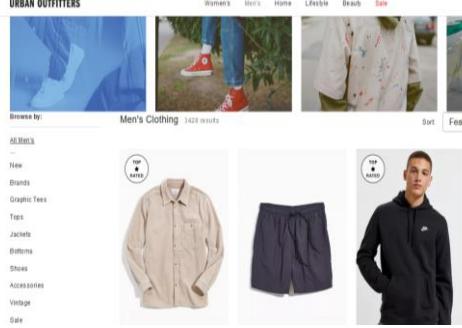
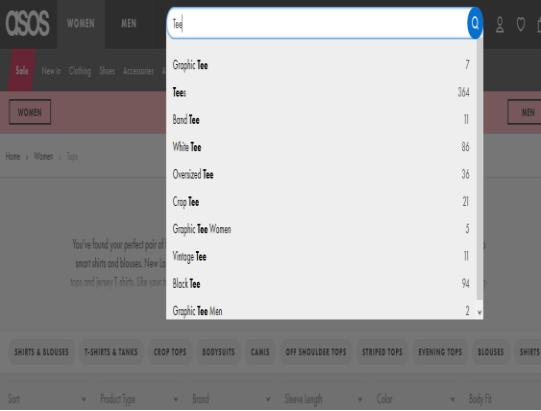
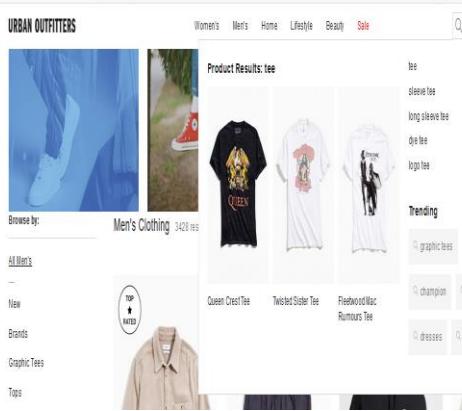
Urban Outfitters is a online retailer shop which is located in American. In this store, available for both men and women of clothing and accessories which focus on Bohemian vibes. In this brand, they also sell some homegoods like bedding and furniture. This shop sent not only in their country but also ship to other countries. They are working as world wide business.

Navigation bar

For this Asos website, the header color is designed with black and categories label are designed with white color which are matched each other. In this navigation bar, the viewer need to choose the gender. They have drop down menu bars which are sales, New in, clothing, shoes, accessories, face and body, brands for each gender. The sign in button, add to cart are on the right side. In the middle of the navigation bars, there has big search box. I think this navigation bars is pretty to view.

For the Urban Outfitters website, the header is also using white color, and the header design is simple. The navigation text use black color which is matched with the background for the customers to satisfiable. It makes the viewers to see the menu buttons clearly. In Menu bar, it include Women's, Men's, Home, Lifestyle, Beauty and sale which are kinds of categories. And the navigation

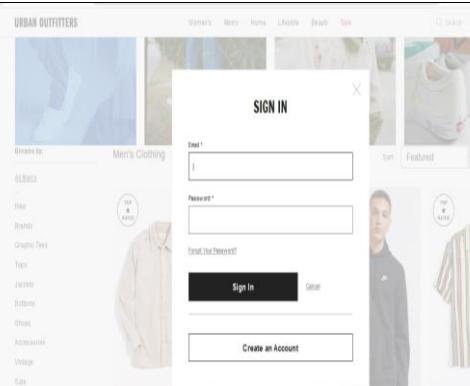
		bar has search button to find the items faster.
Home Page	 <p>For the homepage, this website show few images which show the items they are selling to advertise their viewers. They show the images which are clearly with the categories name for the customers to know clearly. The viewer can click the image with label of categories to view which items are available to buy. They use simple design in showing the image with link. The image do not change, and sometimes it may make the customer to be bold.</p>	 <p>The Urban Outfitters website' home page is much prettier than Giordano. They also use the simple design. But they use nice gridline and showing the great photography which can clearly know the users what they are selling. They can show all the menus what they are selling in home page while Giordano page show in general. The images and the background are matched and so the views can get satisfy in viewing our websites. But this home page has a lot of images so it can be a little complex</p>
Color	 <p>The web page background is designed with white color and black color for</p>	 <p>For this website, only one color is used which is White for both</p>

	<p>navigation bar. And use pink color for choose what gender are you to buy which show the users clearly with different color. The background color match with the image of products. But using more than three color can make the customer to confuse.</p>	<p>navigation and body. This is simple design but it matches with each other. They also use the great photography.</p>
Display Menu		
	<p>In this asos website, drop-down menu are used to pull of the all pages with categories in one frame of organized element. The drop -down menu bar is very wide, large in styling which include both label and image. It is easy to find the items clearly. The drop-down menu's background with white color for the clear vision.</p>	<p>In Urban Outfitters website, the menu bar is only one click and the categories are display at the left side. The menu design is very simple and not so brilliant. Although it is easy to use, the viewers can be bored at using the website because of very simple design.</p>
Search box design		
	<p>For the search box design, when the user input the keywords, they only show suitable keywords with text. This design is very simple .</p>	<p>For the Urban Outfitters, when the user input the key words, the web page show with both images and label to know exactly. This search box desgin is much nicer than asos webiste.</p>

Register Account

The ASOS Women's Tops sign-up form is located on the right side of the page. It features a white background with black text and input fields. The fields include: EMAIL ADDRESS, FIRST NAME, LAST NAME, PASSWORD, and DATE OF BIRTH (DD, Month, YYYY). Below these fields, there is a note: "You need to be 16 or over to use ASOS". There is also a section titled "MOSTLY INTERESTED IN:" with radio buttons for "Womenswear" and "Menswear". Under "CONTACT PREFERENCES", there are two columns of checkboxes: "Discounts and sales", "Your exclusives", "New stuff", and "ASOS partners". A link "Tell me more about these..." is provided. At the bottom, there is a note: "By creating your account, you agree to our Terms and Conditions & Privacy Policy" and a large "JOIN ASOS" button.

In sign-up form, the first step to choose the sign-up button is nice because it appear with drop down menu. But for the signup form, they use a lot of form to fill to register and color usage is not very good. They use only white color background and it look like it becomes another website. The design is not matched.



For the urban outfitter, it is easy to register account. They choose sign up button from navigation bar and sign up form will appear. It only need to fill a few information to register account.

Add to cart display

The ASOS Women's shopping cart summary is located on the right side of the page. It shows a single item: "Noise May Curve longline denim shorts with paperbag waist in black" with a price of \$45.00. The cart summary includes: Sub-total (\$45.00), Shipping (\$0.00), Sales tax (\$0.00), and a "CHECKOUT" button. Below the cart summary, there is a "WE ACCEPT:" section with payment method icons: American Express, Visa, MasterCard, and Discover. A note "Get a discount code! Add it in the next step." is present.

The Urban Outfitters order summary is located on the right side of the page. It shows a single item: "Mike Sportswear Anorak Gilet" with a price of \$54.00. The order summary includes: Item Price (\$54.00), Quantity (1), Total Price (\$54.00), and a "Proceed to Checkout" button. Below the order summary, there is a note: "Only available for delivery within the United States." and a "PayPal" logo.

	In asos, shopping cart show full page and this page is for the customers to view the items and check they are right or wrong before buying. The shopping cart button is right top side of navigation bar with logo only. In shopping cart, it also calculate auto for the amount of items to pay .	The website also show the full page of shopping cart. There is also remove button for the customer to remove unwanted items. This website show more clearly shopping cart page than asos.
--	--	---

Evaluation of Functional and Nonfunctional based on similar system

Requirements	Asos website	Urban Outfitters	Description
Navigation Bar	1 2 3 4 5	1 2 3 4 5	Both of the websites have pretty navigation bars and include all needed functions
Home Page	1 2 3 4 5	1 2 3 4 5	Both of the home page have great taste and background images are matched and not very complex.
Color	1 2 3 4 5	1 2 3 4 5	The asos website color usage is more matched than urban outfitters website which use white color only.
Display menu	1 2 3 4 5	1 2 3 4 5	I prefer the display menu on asos website because it uses drop down menu and design is very good.
Search bar	1 2 3 4 5	1 2 3 4 5	The search bar functions are same.
Register Account	1 2 3 4 5	1 2 3 4 5	For asos website, it needs to fill a lot of information and design is not good. Urban outfitters much better.
Add to cart display	1 2 3 4 5	1 2 3 4 5	Both of the websites have add to cart display and customer can remove the items or increase the number of items amount.
Final Mark	26	25	

That's why I recommend the asos website has the better-quality website than urban outfitters website.

Chapter (4) Requirement Analysis

4.1 Target User Analysis

The Fashionista Online Shop system mainly aim for the customers who want to buy from only using internet every time they want and not to need to go shop. Sometimes the customer want shopping but they don't have enough time to go out and buy and so we make this system for them to buy freely anytime they want. This can save a lot of manpower to shop. They only need few steps to buy the items.

Type of user

User Type	Computing Skill	Language	Age
Primary User-Customer	Need to know how to use internet and have computing skill and technology knowledge	Intermediate level of English	18-50
Secondary User-Staff Admin	Must got bachelors in about business or computing and need to have enough technical skill	Intermediate level of English	Above 23

Target user analysis of cusotmers

Gender	Unisex
Age	18-50
Religion	Any
Education	From middle school to University education level
Language	English
Standard	Medium to high level
Location	Yangon in Myanmar countries
Technology Knowledge	Need to be familiar in using internet and have a enough amount of technology knowledge
Income Level	Start from 50000MMKs

Interview to staff who are working as manual system

Question from developers	Answer from staffs
Will users be satisfied for using this new system?	The answer is of course. Because nowadays online system are very well – known and very easy to use. I think it will be more effective to business more than before
What kind of problems is occurred with current business system?	Complexity becomes because of a lot of record book and there are also lost of records. Sometimes we make mistake in calculation of payments and make wrong delivery to the customers.
If the current system change to business system, what kind of situation can occur?	Staffs in this shop are still work with books and so they don't use computer a lot. So after making this system, we need a lot of training to use. And we also need to inform all the customers from our shop that the system is change to online system and they can also buy from our shop by making ads or calling them
Any advice for new system	Everything will be better than before but staff need training for using the system.

Interview with customer who buy from our shop regularly with current business system

Question from developer teams	Answer from customer
What will be the requirements for the customer to use the system?	The system need to be used easily, trust website, great security for payment and user information.
What are the problems of buying with manual system?	For shopping, we need to go to shop to buy the items and it takes a lot of time. And if there was a lot of customers, we cannot choose the item freely.
What issues can happen if suddenly change to online system?	Some customer cannot use internet very well. So there can be problem in buying from internet.
Any advice for changing?	Need to maintain the products quality and services as well as before.

4.2 Functional Requirements

High Level requirement

1. Display product with categories

This process is part of the system what the customer can view the items with categories. So customers can find items what they want easily. Managing of the products which will be done by staff will also be included in this part.

2. Ordering products

This part is the most important in this online shop system. In this part, there need to have add to cart process, checkout process to buy. The customer can choose every thing they want and put in the cart before buying. They can choose from the cart what they only want to buy. In this part, managing of the products will be made by staff. After customer ordering the products, the staff need to check the order and customer information that is right or wrong. If there is any wrong, they can contact to customer and order again or put the information right. The staff need to check the order that are out of stock or not. After completion of managing of order, they can contact to delivery service to deliver to customer.

3. Manage Customer

In this part, the process is about customer registration and login process. For buying the items from our online shop, customers need to register account and log in to buy. They need to fill the detail information about themselves and our system will record these data for ordering process. If the customer filled information exactly, there can be problem while ordering the system. For log-in , they only need Gmail and password to buy. Customer managing will be make by staffs and staff can only view the customer information from the database server. But staffs cannot change about customer information without knowing from the customers. If customer information is something wrong, customer can contact to the staff directly and can fix back. Admin staff will do these managing process.

4. Searching items

This process for the customers to find the items easily. This part is also important because customer want to find the items only inputting the key words. So they don't need to find all the products to find what they want.

5. Manage payment

This process will be performed while making ordering the products. In this part, check out function will be included. After the customer click check out , the customer need to check their information again and choose payment method. In payment method, they can choose pay with card or cash on delivery. If they choose card payment, they need to input card number correctly. After these steps, ordering process is finished and the shop will deliver to your home.

6. Review of products

This part is not very important in this system. The customer can review the rates of products or feedbacks from other customers and they can know the products quality by views these feedbacks.

4.3 Non-functional requirements

(i) Global

Performance

The system need to meet latency, resource utilization requirements and throughput. The requirement of performance mainly focus on issues of response time, reliability and capacity. For improving web pages' performance, the system need to minimizing the number of round trips which is the most important. Customer want to get response quickly in ordering process. If the system is not fast enough, the customer will not be satisfied in using our system. And then the system should need to have save password to remember, so if the customer open the web page again, they don't need to input the password again.

Usability

Usability is also very important for the system. It indicates how easy and great user interfaces to use. The users can learn how to use the systems and complete the processes. Using beautiful designs and photos in the web page will be one of the best way to improve usability. And it can help in browsing our system and shopping more enjoyable.

Scalability

This requirement is the system's ability to handle and save large amount of data. As our system has a lot of record to save products and customer information, we need to have scalability. When the size of data are change to meet a user requirement, the website need to be continue to run well.

Security

Our system is online shop system, so we need the strong security for preventing the customer information from disruption and loss data which are caused by intentional act . For the payment system, especially card payment, the security need not to lose money by hackers or other unexpected actions. So the systems need to be automatically log out from all customers after all parts of buying are finished and close the web page. The system should not use cookies systems because on customer's computer which contain user's password.

Recovery

The system should need this requirement for every ordering data records and customer information. The system can be backup these data if these are lost and ruined when unexpected natural disasters are happened.

(ii) Individual

Registration and Login

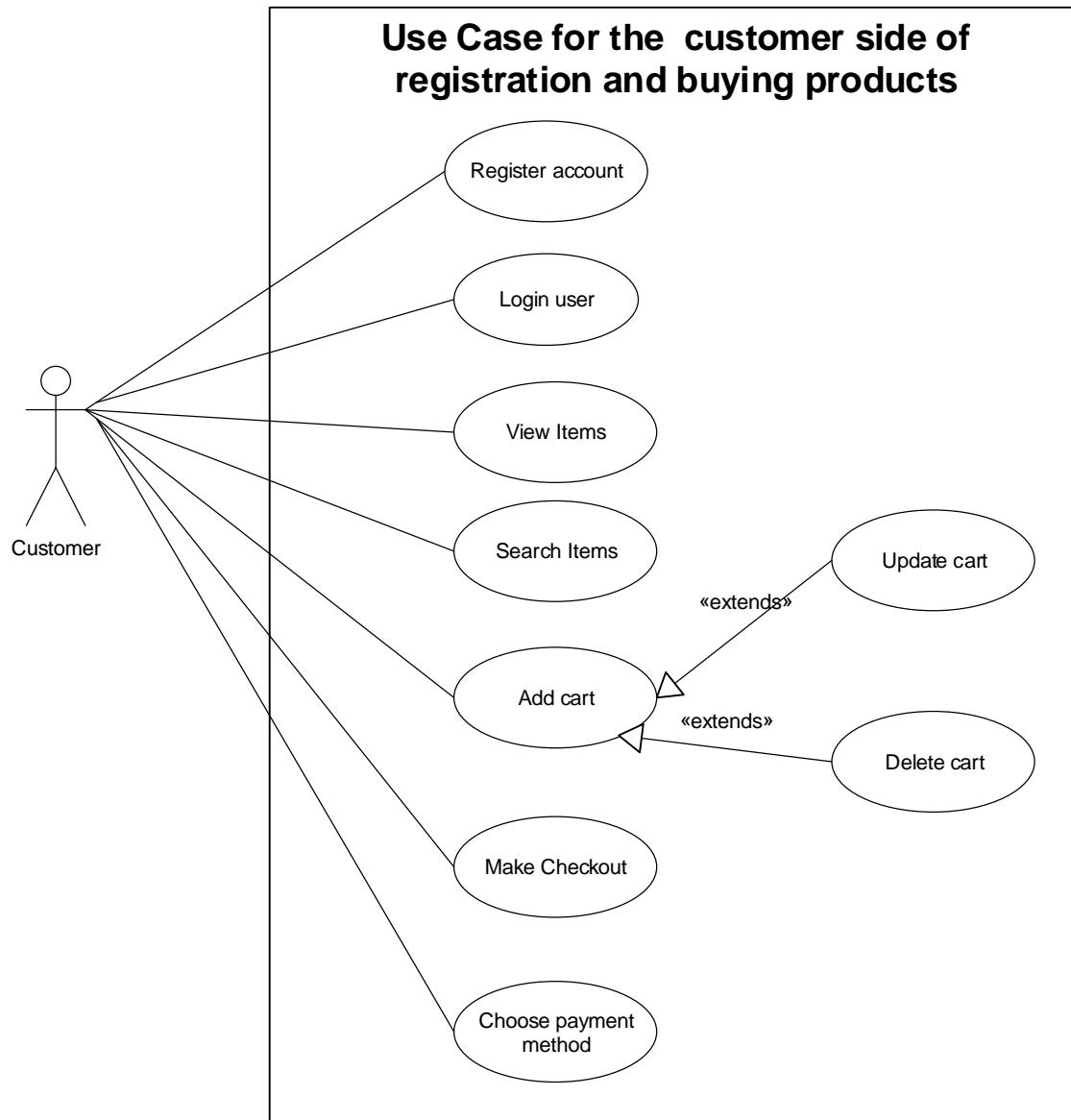
Customer registration should be response within 30 seconds. Customer can log in by inputting username and password for shopping. For the staffs, they have only one account to log in for managing the system that are for staffs. This login action should response correctly and if there is something wrong, the system need to alert to input the data again.

Order

For online ordering, the most important is the response time. Because sometimes it can take a few minutes in checkout process in website for sending customer's information to the credit card processing and receive a response that the customer tries to place order. Most of the web users wait a page for loading about 3 seconds but if it takes more than 3 seconds, mostly of the users leave. Sometimes the users do not wait and submit order button again and again and so customer' orders can be multiple times and their amount of money from credit card will be changed multiple times. So if the web page loading speed is slow, they will be likely to buy from another online shop.

4.4 Use Case Diagram

Use Case (1) for Customer side



Use Case Description (1)

Use Case Name	Register account
Actor	Customer
Pre-condition	To record the customer information to purchase
Events flow	<ol style="list-style-type: none">1. Insert Customer Name2. Insert Customer Email3. Insert Customer Password4. Insert Customer Address5. Insert Customer Phone6. Click submit button to register
Post-Condition	Customer account is successfully record.

For more use case description, see at Appendix(B)

Use Case (2) for staffs



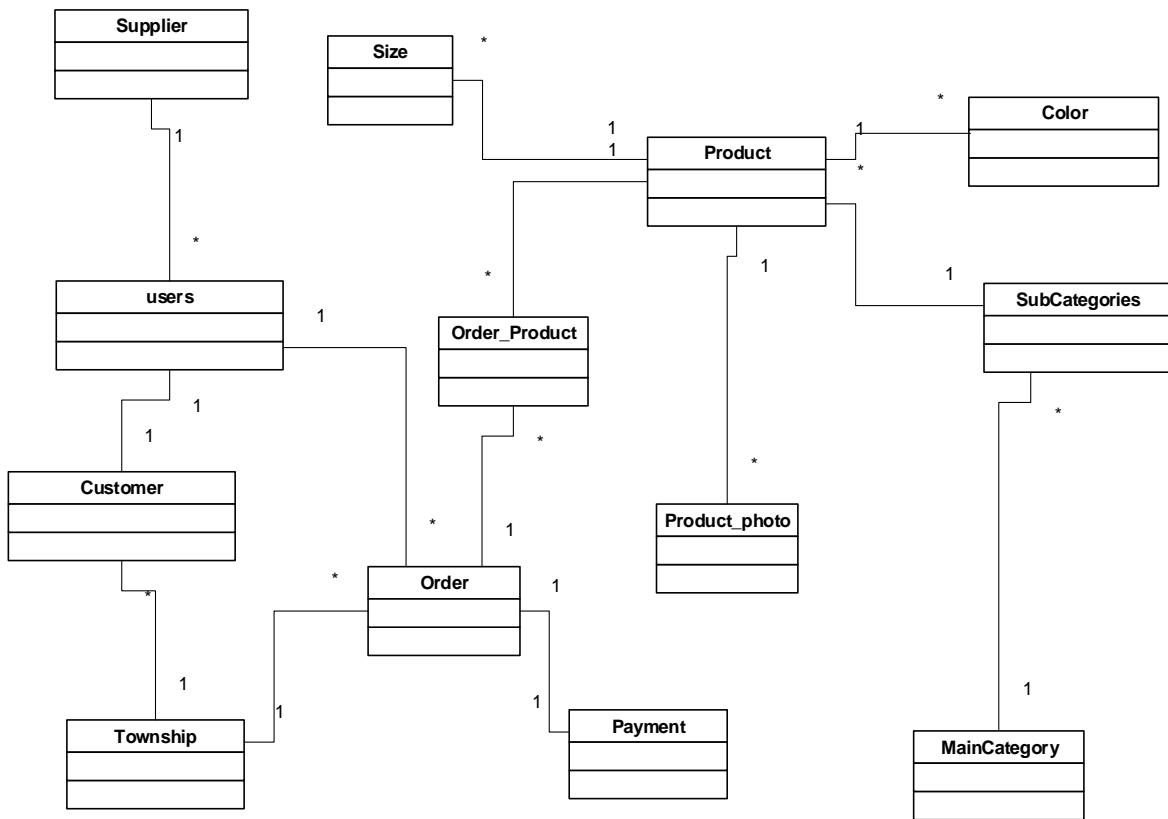
Use Case Description (2)

This use case is for the staff to manage the system. Staffs have only one account to manage the system.

Use Case Name	Login
Actor	Admin Staff
Pre-condition	To manage the system as products and customer information.
Events flow	<ol style="list-style-type: none">1. Enter staff name2. Enter password3. Click login button
Post-Condition	Staff is successfully login to the system and mange data.

For more use case description, see at Appendix (B)

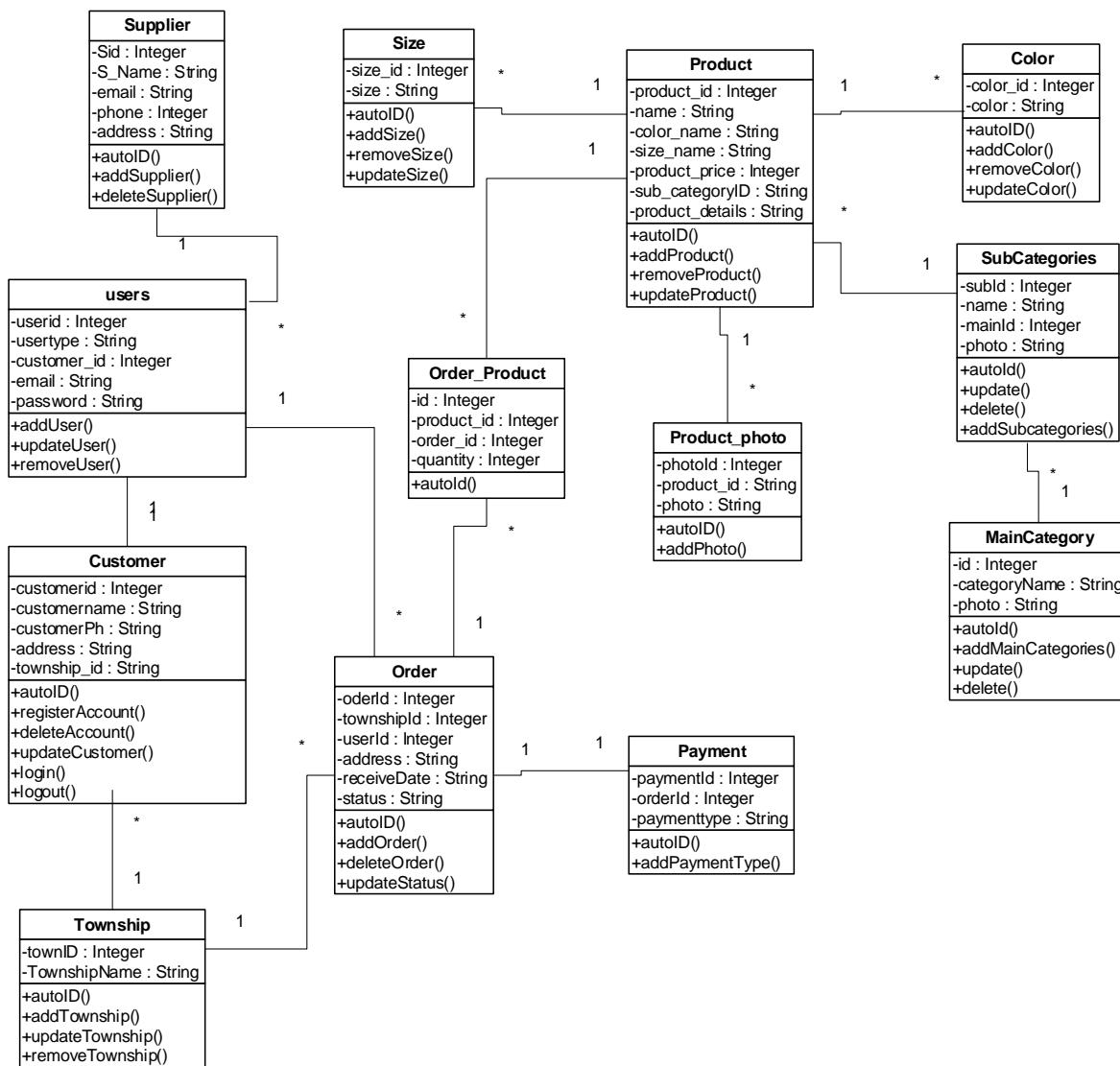
4.5 Initial Class Diagram



Explanation of Initial Class Diagram

Initial class diagram is also included in the Unified Modeling Language (UML), like use case diagram. This diagram is important for the system because this will be used actually for the programming, the interactions between class and objects need to be correct. Customer table for registering account to buy the items. Customers can order not only one product but also many products can buy at the same time. For the products, they are managed with subcategories and main categories for the customers to easy to view and include size and color categories. Staff manage order and produce order report. Staff check the customer information and make delivery.

1.6 Detail Class Diagram

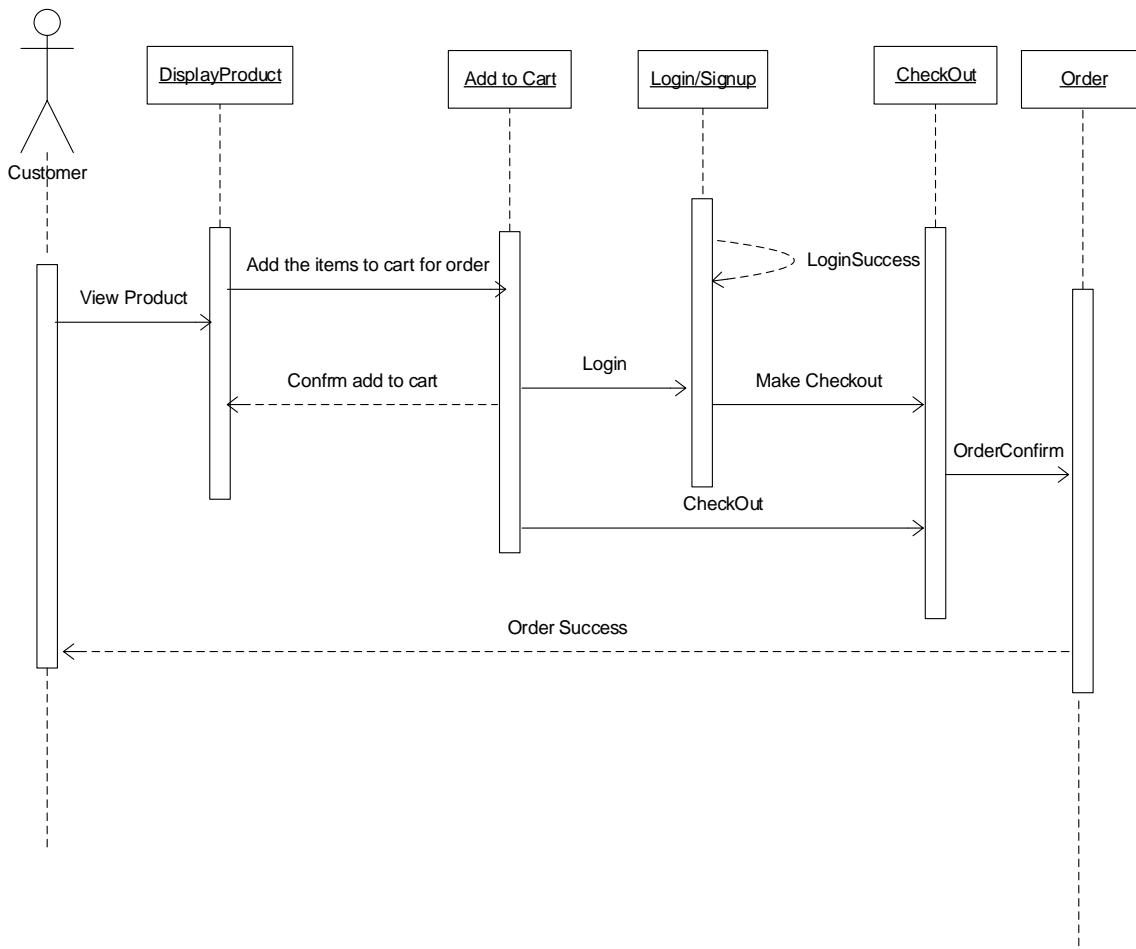


Detail Class Diagram Description

Class Name	Customers
Attributes	CustomerID, CustomerName, CustomerPh,Address, Township_ID
Operations	autoID(), registerAccount(), deleteAccount(), updateAccount(), login(), logout()
Explanation	The customer class is to keep detail customer information of each customer. After customer register account, the data will be saved in this class. The customers can make log in and log out function. The staffs can view the customer information in admin panel. The customer can view their information when making checkout and can update information to make delivery.

For the rest of descriptions for class diagram, see in the Appendix (C).

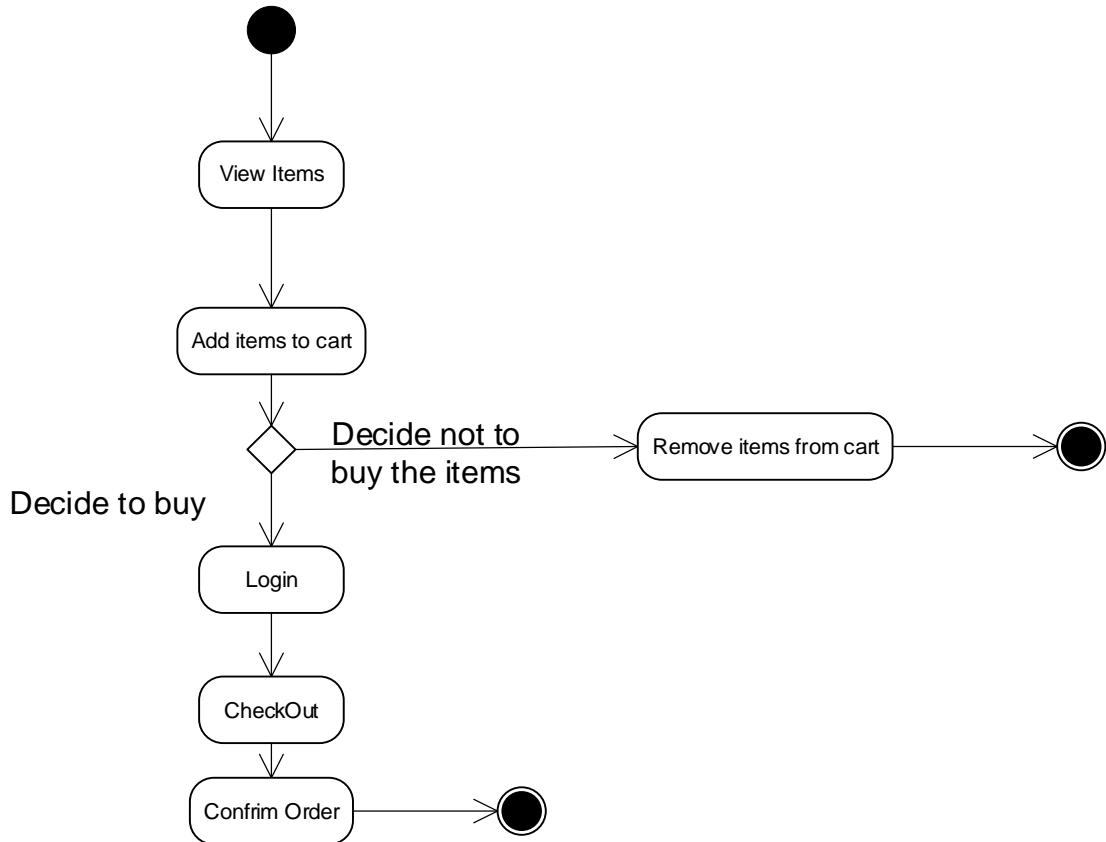
4.7 Sequence Diagram



Explanation of Sequence Diagram

This sequence diagram can be known as Behavioral model, this is the process of how customers buy the products step by step. The customers don't need to register or login account first. They can view the items with suitable categories and if they see the products they want to buy, they can add to cart first. After putting the products to buy, the customer go add to cart page and can make remove products that they don't want to buy. After that, the customer need to login account or register if they don't have account. Then the customer can make checkout to fill detail information for delivery and check the amount of prices is right or wrong and the products they put are right or wrong. After all check, they can click the order confirm button and success order. The customer can buy again don't need to login again. They also can make log out from the system for the security.

4.8 State Diagram



Explanation of State Diagram

This diagram shows how the process flows and above I implement the diagram is about the flow of ordering products from the customer side. The first step is viewing the products in display screen, and add items to cart. In add to cart step, the customer may decide not to buy and stop shopping and reach to final state which is leave from the system. If the customer decides to order, they will do next step of login or signup and make checkout. As all the steps are right , the order is success and reach to final state where customer can log out from system or shopping again.

4.9 MoSCoW Prioritization

High functional requirement	Must	Should	Could	Would
Customer registration	✓			
Product Register	✓			
Categories Register		✓		
Payment	✓			
Order	✓			
Checkout	✓			
Add to cart	✓			
Search		✓		
Review			✓	

4.9.1 Evaluation of MoSCoW prioritization

As I described the prioritization with MoSCoW strategies, 9 functions are must to include for this online shopping system and another function Review could be include because this is not very important in this system. The system must have staff registration for managing the process in this system. For customer to buy, customer registration is essential as a main part. The product need to be registered and they need to be categorized by the staffs members for the customer to view and buy. Order functions is the most important for the customers to buy as this system is online shop. And payment process is for the customer to choose payment method, card or cash on delivery.

Checkout function must need to be include for the customer to check the items again before making ordering for not to be buying wrong items. Add to cart function is for the customer to choose the items the items what they want to buy and add to cart. And they can remove products and increase the amount of items. Search function is also essential for the customers to search the items what they want. This is also the quality of the web page system. And Review functions, show customer's feedbacks of the items which is not very important can be later after above these processes are done. So I put this function in could stage. Because this can be added to the system or not.

4.10 Time box plan

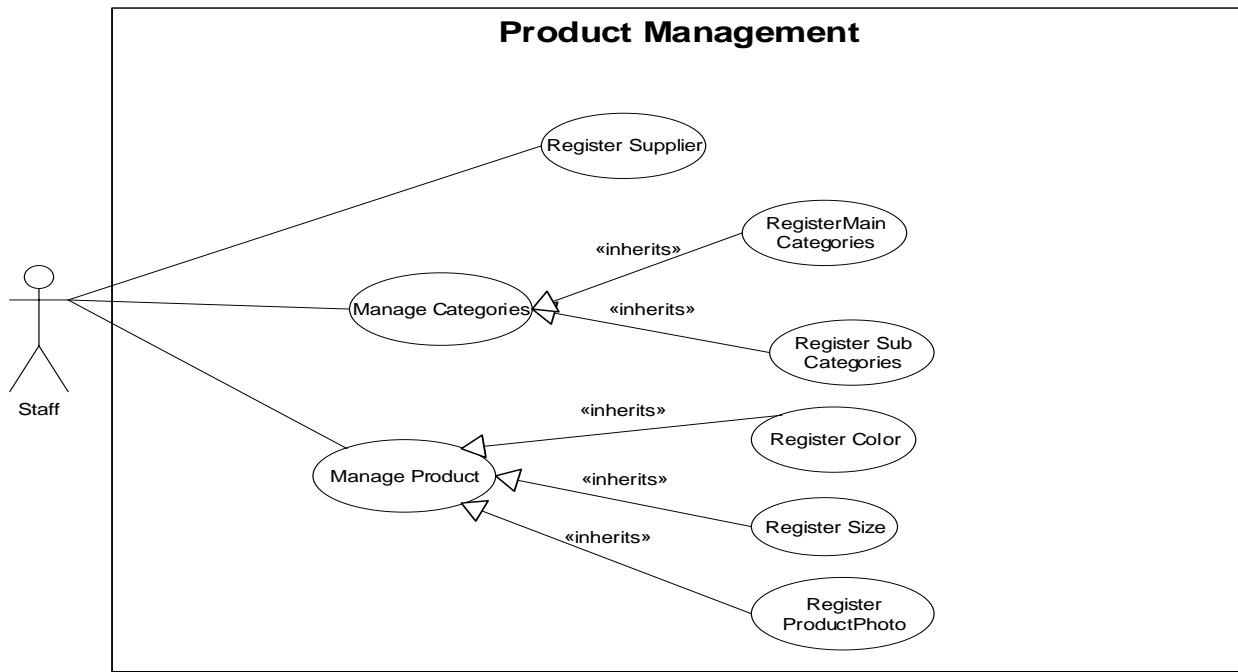
I will make project plan with Timebox after prioritizations based on MoSCoW method.

Timebox1

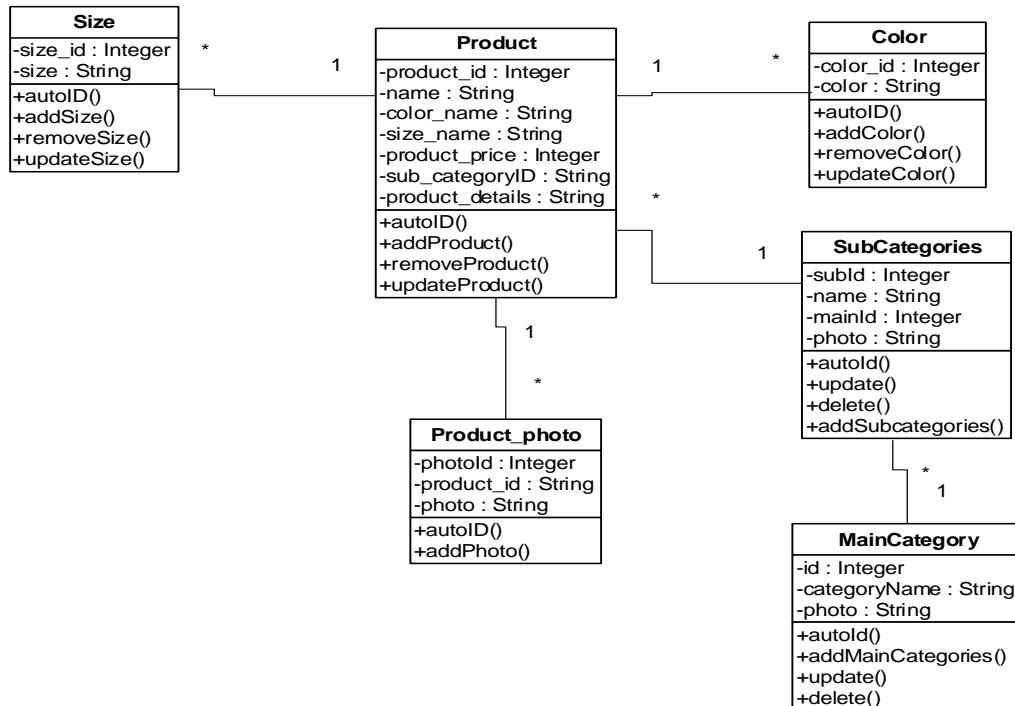
Timebox for Product Management

Time box Name	Manage Product		
Starting Date	February 28, 2020		
Ending	March 26,2020		
Task	Duration	Starting Date	Ending Date
Functional Requirement	1 day	February 28, 2020	February 28, 2020
Class Diagram	2 day	February 29, 2020	March 1, 2020
Use Case Diagram	2 days	March 2, 2020	March 3, 2020
Coding	5 days	March 10,2020	March 15,2020
High Level Prototype	6days	March 20,2020	March 26,2020
Description: This timebox 1 is purpose to develop products management which is part of the website. Related this part with use case, class diagram and high prototypes are made. Then the category with main and sub, color, sizes, suppliers, product photo database tables are made. Then this system will help to enter data for each table to record products.			
Key Acceptance: Before inserting the products in the table by admin, firstly need to register categories for both main and sub, colors, sizes, and suppliers steps by steps. After that the product can be added by using these tables and other as additional are description, price are added. Once the product was successfully added in product table , the admin can view these added products and these items will display on customer view.			

Use Case for Product Management



Class Diagram for product management



Screen Design for Product Register

Category

Main Category

NO	NAME	PHOTO
1	Accessories	
2	Women's	
3	Men's	

Previous 1 Next

Products

Products

NO	NAME
1	Striped Long Sleeve
2	SimpleSketch
3	Long Sleeve Tee
4	JapaneseWords

Create Product

Name:

Price:

Detail:

Products

Products

NO	NAME
1	Striped Long Sleeve
2	SimpleSketch
3	Long Sleeve Tee
4	JapaneseWords

Choose Category:

Choose Color:

Red&Black Orange&Black Grey
 Black & White Yellow & Grey White Black
 Yellow blue green Red

Choose Size:

XXL XL L (large) M (medium) S (small)

Browse... No files selected.

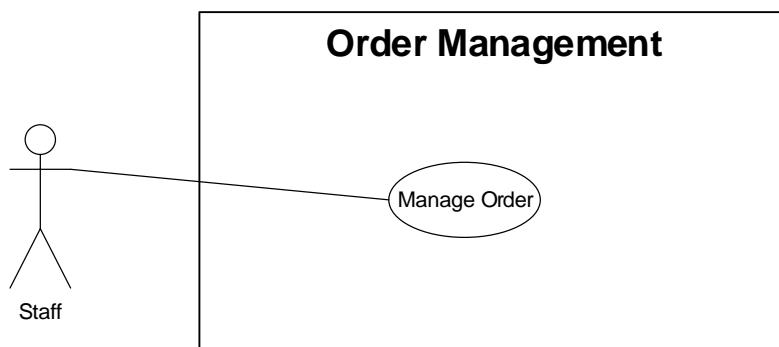
Close **Save**

Timebox2

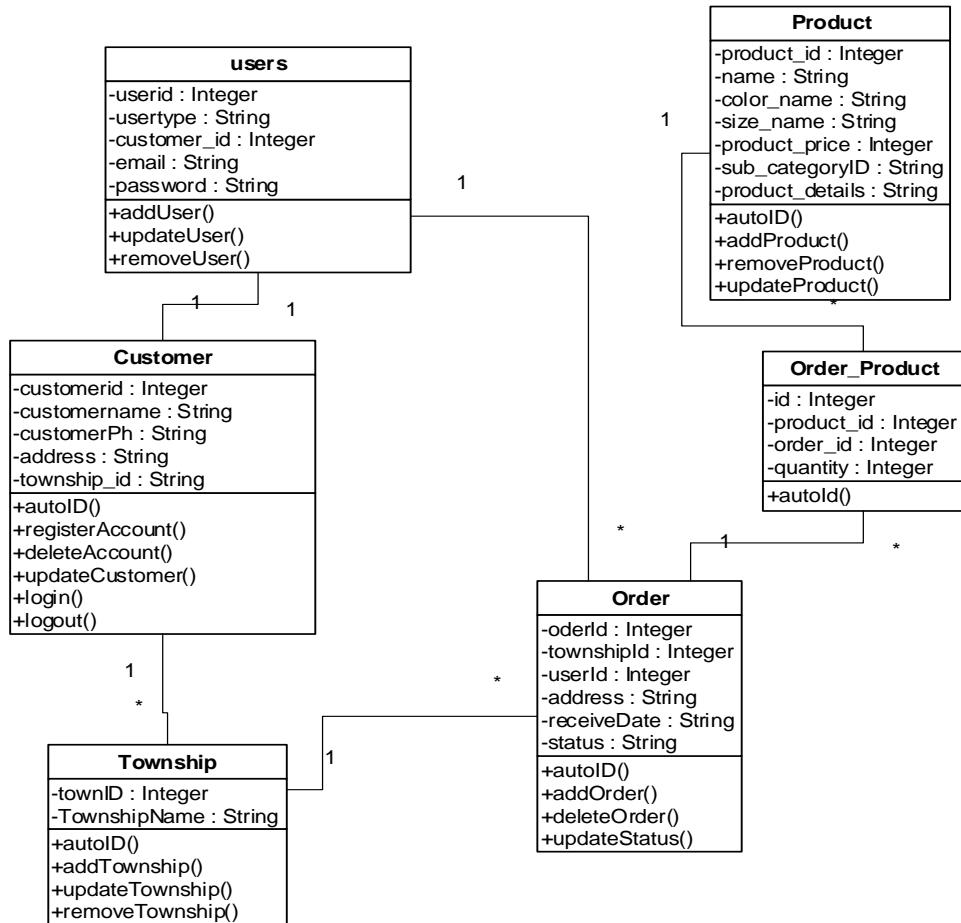
Timebox for Manage Order

Time box Name	Manage Order		
Starting Date	February 28, 2020		
Ending	March 30,2020		
Task	Duration	Starting Date	Ending Date
Functional Requirement	1 day	February 28, 2020	February 28, 2020
Class Diagram	2 day	March 1, 2020	March 2, 2020
Use Case Diagram	2 days	March 3, 2020	March 4, 2020
Coding	7 days	March 16,2020	March 22,2020
High Level Prototype	6days	March 23,2020	March 28,2020
<p>Description: This timebox is to develop manage order part on the system. Use case, Class diagram, prototypes are produced for this part. Order tables and order product tables are built. This tables is for both the customers and staffs. Customer can order the products online and staffs will view the order report.</p>			
<p>Key Acceptance: For the customer to order the products, they need to find the products and order the products they want. After choosing the products, they need to account login, and check the information address or refill it again for the delivery before completing the order. The order list will appear on the staff and they will arrange them.</p>			

Use Case Diagram for order management



Class Diagram for order management



Screen Design for Order process

localhost:81/fashionshop/public/checkout

Fashionista ▾ Contact Logout

Billing Address

NAME *	PHONE *
Thet Myat Noe	0912345567
TOWNSHIP *	Kyimyinding
ADDRESS *	N0.21 Kyaung Kyee
RECEIVE DATE *	mm / dd / yyyy
RECEIVE TIME *	-- : -- : --

Order List - Tables - Datatables

NO	CUSTOMER	TOWNSHIP	ORDER ADDRESS	RECEVIE DATE	PRODUCTS	ACTIONS
1	Thet Myat Noe	Kyimyinding	N0.21 Kyaung Kyee	2020-05-12	1	<button>Detail</button> <button>Accept</button> <button>Delete</button>

Order Report By Product

Start Date: 05 / 11 / 2020 End Date: 05 / 13 / 2020 Show

Show 10 entries Search:

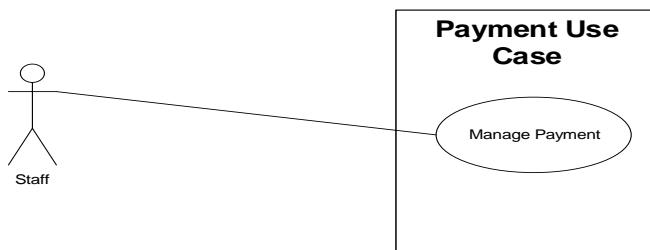
NO	NAME	PHONE	ADDRESS	TOTALAMOUNT	ACTIONS
1	Flower	8000	1	8000	<button>Product Detail</button>

Time box3

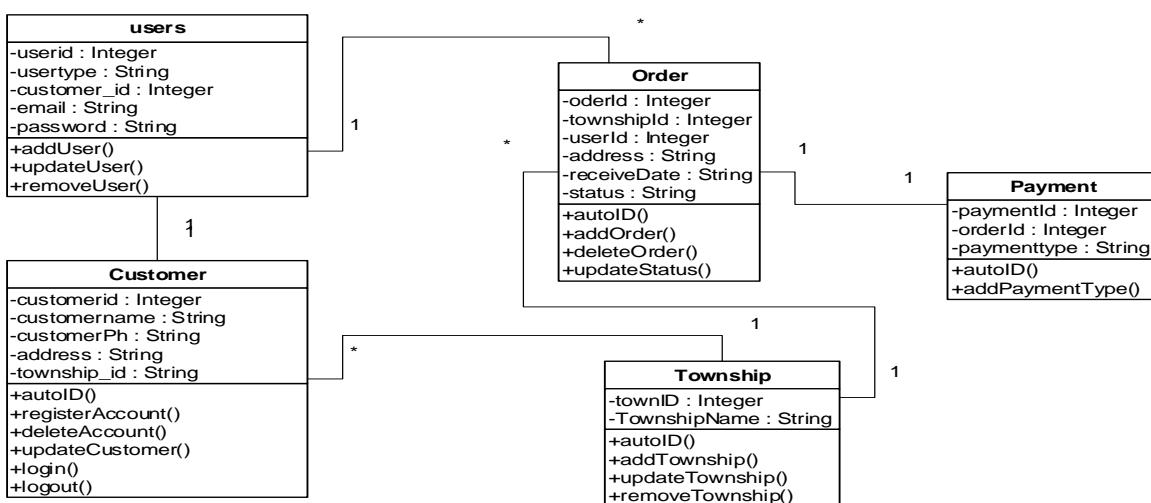
Timebox for management payment

Time box Name	Manage Payment		
Starting Date	March 5, 2020		
Ending	March 20,2020		
Task	Duration	Starting Date	Ending Date
Functional Requirement	1 day	March 5, 2020	March 5, 2020
Class Diagram	1 day	March 6, 2020	March 7, 2020
Use Case Diagram	1 days	March 8, 2020	March 9, 2020
Coding	3 days	March 10,2020	March 12,2020
High Level Prototype	3days	March 14,2020	April 16,2020
Description: This timebox is for manage payment for the order processes. In this process, there will be payment table in the database. The customer will choose payment type while making ordering. The payment type will be appear on the order table.			
Key Acceptance: The customer must choose payment type for completing order.			

Use Case Diagram for payment



Class Diagram for manage payment



Screen Design



Fashionista ▾ Contact Logout

Database Design for payment

Server: 127.0.0.1 » Database: fashionshop » Table: payments

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#)

Showing rows 0 - 8 (9 total, Query took 0.0010 seconds.)

```
SELECT * FROM `payments`
```

<input type="checkbox"/> Show all	Number of rows:	25	Filter rows: <input type="text" value="Search this table"/>				Sort by key:	
+ Options - T ↑ ↓								
		id	order_id	type	created_at	updated_at		
<input type="checkbox"/>	Edit	Copy	Delete	1	48	cash	2020-05-08 04:57:19	2020-05-08 04:57:19
<input type="checkbox"/>	Edit	Copy	Delete	2	49	cash	2020-05-08 06:28:59	2020-05-08 06:28:59
<input type="checkbox"/>	Edit	Copy	Delete	3	50	cash	2020-05-08 06:32:17	2020-05-08 06:32:17
<input type="checkbox"/>	Edit	Copy	Delete	4	51	card	2020-05-08 06:34:56	2020-05-08 06:34:56
<input type="checkbox"/>	Edit	Copy	Delete	5	52	cash	2020-05-08 07:32:43	2020-05-08 07:32:43
<input type="checkbox"/>	Edit	Copy	Delete	6	53	card	2020-05-08 07:35:22	2020-05-08 07:35:22
<input type="checkbox"/>	Edit	Copy	Delete	7	54	cash	2020-05-08 08:31:20	2020-05-08 08:31:20
<input type="checkbox"/>	Edit	Copy	Delete	8	55	cash	2020-05-11 08:53:52	2020-05-11 08:53:52
<input type="checkbox"/>	Edit	Copy	Delete	9	56	cash	2020-05-11 12:37:23	2020-05-11 12:37:23

4.9 Risk Management Analysis

Identify critical success factors

As our company change to computerized online shopping system is to upgrade the people standards and solve the issues that are happened in manual system like wrong payment calculations, data recording, order process. Changing to the web based online shopping system can get success although it can get some problems for both users and staffs at first. The success factors for this system are-

- The staffs should be trained for getting experienced in the IT skill and IT systems
- The system needs to have pretty, simple and easy interface for the users.
- The system needs to display the clothing and accessories with suitable category.
- The system may allow the users to check out the process.
- The system needs to make accurate calculation in order processing.
- The system must have the report of ordering process for the staffs

Possible Risks for the project

Staff training plan wrong

As our system change to computerized system, the staffs need to be trained for IT knowledge and IT skill. This is not an easy task for the company. Everyone learning style is not the same and they need to know how to make it easier. Time is the most precious thing and staff needs to manage their training time for improving their technical skill. If staffs cannot be trained well, this can impact to the company and it will lead to major issue for the business.

Environmental Risk

This risk may occur in everywhere due to unexpected conditions and it can cost a lot in resolving and preventing data not to damage. The database server that we store the data can be harmed anytime by unexpecting conditions of weather like earthquake, flood and so on and it can also be damaged because of server issues. Therefore we need to back up the data every time and because if there is some data lose, the company might get big issue in this business.

Late in problem and error detection

For the project, coding error might make delay for the whole project. When there are many errors in the coding and cannot fix in time , the project will not be able to finished on the deadline. If the deadline is very close and the team members cannot still fix the error, they might get a lot of stress and they may develop the system with low quality and standard due to the delay risk.

Poor in Management

This management is in planning phase. During planning, the poor management and poor planning can make big issues for the project which can be in poor estimation, lack in supporting business, poor scope control and poor management. The manager need to have great management skills and good visions in business for handling this project without making any problems. As not there can be many issues in developing the project.

Requirements is not detailed and lacked

For getting the good quality project, there need to have good and perfect requirements. The main reason of project fails are that they don't have enough requirements and have bad requirements. The requirements can be impact a lot of the project outcome.

Lack of security

As the company change to online computerized system, they need to think about the security for the project. The project with bad security can make the low quality for the system.

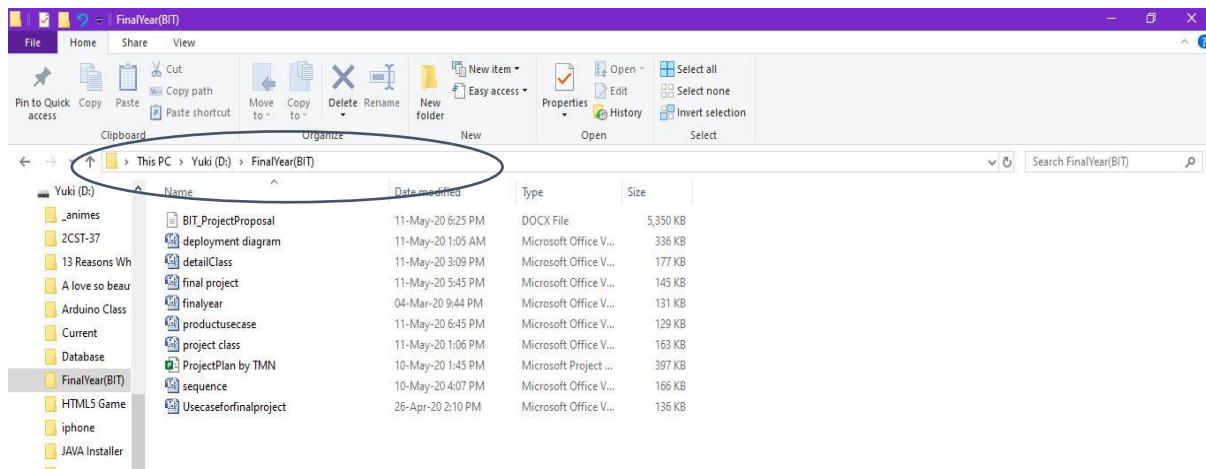
Risk Matrix

Risk rate => Low (0% to 35%), Medium(36% to 70%), High (70%to 100%)

Risks	Risk Rate	Possible Impact Rate	Preventive Action	Reactive Action	Owner
Environmental	Low	High	Need to backup data.	Need to check and notice about the unexpected conditions	Thet Myat Noe
Sever or system breakdown	Medium	High	Must connect with high speed connections	Need to check everyday	Thet Myat Noe
Virus Attack	High	Low	Need to install firewall, antivirus and backup data and make security better.	Scanning data everyday	Thet Myat Noe
Unauthorized staff try to use system	High	Medium	Need to install security software	Log out account every time after use and change password every week	Thet Myat Noe
Poor Requirement	Medium	High	At the start, they need to get good quality requirement	During the planning, they need to confirm the requirements again.	Thet Myat Noe
Staff are not skillful	Low	Medium	Make training before starting the project.	Ensuring that the staffs are familiar with IT systems	Thet Myat Noe
Hackers Attack	High	High	Install security software in every computer	Scan all the data every time	Thet Myat Noe
Leak Data	Medium	Medium	The system need to have high and strong password security system	Check the system regularly and change password each weak.	Thet Myat Noe

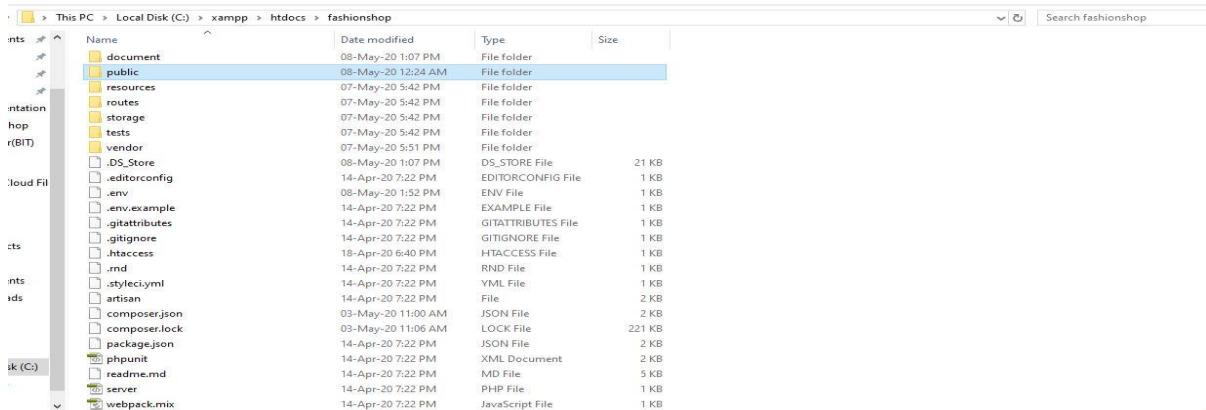
Chapter (5) Configuration Management Project Report

The directory structure of project report file.



Program

The directory structure of coding files.



Database using phpMyAdmin with Xampp

The screenshot shows the phpMyAdmin interface running on a local server. The top navigation bar includes links for Home, SQL, Status, User accounts, Export, Import, and Settings. Below the navigation is a toolbar with icons for New, Databases, SQL, Status, User accounts, Export, Import, and Settings. The main area displays 'General settings' and 'Appearance settings'. Under General settings, the 'Server connection collation' is set to 'utf8mb4_unicode_ci'. Under Appearance settings, the 'Language' is set to 'English' and the 'Theme' is set to 'pmahomme'. On the left sidebar, there is a tree view of databases: 'New', 'fashionshop', 'information_schema', 'mysql', 'performance_schema', 'phpmyadmin', and 'test'. The 'fashionshop' database is currently selected.

Website Directory

The screenshot shows a web browser window with the URL 'localhost:81/fashionshop/public/'. The page header includes a logo, a search bar, and navigation links for Home, Contact, and Logout. The main content area is currently blank, indicating the user has just navigated to the site's root directory.

Chapter (6) Testing

6.1 Testing Strategy

Type of testing	Expected Date
Integration Testing	April 30 th , 2020
Unit Testing	May 3 rd , 2020
Acceptance Testing	May 6 th , 2020
System Testing	May 9 th , 2020

6.2 Testing Plan

Test Plan 1: Database Creation

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
1.1	fashionshop Database	Create Database	fashionshop	Successfully created database.	April 20 th , 2020

Test Plan 2: Customer Registration

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
2.1	Customer registration form	Check Customer can be registered	<ul style="list-style-type: none"> -The customer fills name, email, address, phone, Township, Password, Confirm password. -The customer add “SignUp” button 	<ul style="list-style-type: none"> -The successful registration message will appear. 	April 20 th , 2020
2.2	Customer Name box	Check customer name can be null.	<ul style="list-style-type: none"> -The customer makes blank in name box and fills other information. -Then click Signup. 	<ul style="list-style-type: none"> -The message of “Please Fill Out this Field” need to be appeared. 	April 20 th , 2020

2.3	Customer Email	Check customer email can be null.	-The customer nothing adds in email and click "Sign Up"	- The error message needs to be appeared	April 20 th , 2020
2.4	Phone text box	No Data added	-Make blank in customer phone box and then click Sign Up button	-Error Message need to be appeared	April 20 th , 2020
2.5	Password box	Password is not inserted and make blank	-Customer does not fill password and click "SignUp"	-The message of "Please Fill Out this Field" need to be appeared.	April 20 th , 2020
2.6	Confirmation Password box	Confirmation password is not matched with password box.	-Customer fills wrong password in confirmation password box	-Error message must be displayed	April 20 th , 2020
2.7	Confirmation Password box.	Confirmation password is not inserted	-Customer make null in confirmation password field.	-The message of "Please Fill Out this Field" need to be appeared.	April 20 th , 2020
2.8	Same email register	The already existed email is again register.	-Customer is inserted the existed email	-Error message should be appeared	April 20 th , 2020

Test Plan 3: Customer Login

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
3.1	Login Form	All data of Email and password are filled.	-The correct email and password that is already registered is filled. -Then click Login.	-The message box of "Successfully Login" is displayed.	April 21 st , 2020
3.2	Login Form	-Wrong data can be accepted or not.	- The wrong email or password which is not register is filled. -Click Login	- Error message of login fail should be appeared.	April 21 st , 2020

3.3	Login Customer email box	-Check email can be blank	- Customer does not insert email and click login	- The message of “Please Fill Out this Field” need to be appeared.	April 21 st , 2020
3.4	Login Customer password box	-Check password box can be null	No value added in password and click login button	-Error message of login fail should be appeared.	April 21 st , 2020
3.5	Logout	-Check the system can be logout	-Click logout button	-The display should be reach to the main screen	April 21 st , 2020

Test Plan 4: Admin Dashboard Login

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
4.1	Login in admin account	-The only one account for staff is filled.	-The staff filled admin account correctly and log in.	-The message of “Successfully Log in” will appear.	April 22 nd , 2020
4.2	Login in admin account	-Fill the email and password which is not about admin account.	-The staff filled other account which is not identified as admin account. -Click Login.	-Error message is appeared	April 22 nd , 2020
4.3	Admin email box	-Check email can be null	-The staff makes blank in email text box and click login	-The message of “Please Fill Out this Field” need to be appeared	April 22 nd , 2020
4.4	Admin password box	-Check admin password can be blank.	-The staff does not insert password and click login.	-The message of “Please Fill Out this Field” need to be appeared	April 22 nd , 2020
4.5	Logout Admin account	-Check log out can be made	- Staff make log out from admin panel.	-The system needs to reach login in form	April 22 nd , 2020

Test Plan 5: Admin Category Entry

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
5.1	Main Category adding	Check main category can be recorded	-The staff fills category name and choose photo. -Then click “Save” button	- The message of “Created Successfully” need to be appeared	April 24 th , 2020
5.2	Main Category name field	Check main category name can be blank.	-The staff does not insert category name and click Save.	- “Please Fill Out this Field” message need to be displayed	April 24 th , 2020
5.3	Photo choosing	Check Photo section can be blank.	-The staff do not choose photo and click save.	-The alert of “Please Fill Out this Field” to be displayed	April 24 th , 2020
5.4	Main Category name update	Check category name can be updated	-The staff click update icon and update name. -Then click “Update”	-The alert of successful update is appeared.	April 24 th , 2020
5.5	Main Category Delete	Check main category can be deleted.	-The staff delete main category by clicking “Delete”	-The alert of delete message shown. -The subcategories of that deleted main categories is also deleted	April 24 th , 2020
5.6	Sub Category entry	-Check sub category can be registered.	-The staff fills sub category name. -Choose main category and choose photo. -Then click “Save” button	-The message of successfully created need to be displayed	April 24 th , 2020

5.7	Sub Category name field	-Check name can be blank.	-The staff does not fill name and click "Save"	-The alert of "Please Fill Out this Field" to be displayed	April 24 th , 2020
5.8	Choose main category field in creating sub categories	-Check main category auto choose.	-The staff does not choose main category and Click save.	-The system will auto select the latest main category and so there can be wrong categories to put sub categories	April 24 th , 2020
5.9	Sub Category photo selection	Check Photo section can be blank.	-The staff do not choose photo and click save.	-The alert of "Please Fill Out this Field" to be displayed	April 24 th , 2020
5.10	Sub Category removing	Check sub category can be deleted.	-The staff delete sub category and then click "Delete".	-The alert of delete message shown.	April 24 th , 2020
5.11	The registering categories display	Check the recorded data are displayed or not	-The staffs record the data and click save button	-The data that are added will be displayed in the admin dashboard	April 24 th , 2020

Test Plan 6: Admin Color and Sizes Entry

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
6.1	Color adding	Check color can be added.	-The staff fill the name of color and then click "Save".	- The message of "Created Successfully" need to be appeared	April 25 th , 2020
6.2	Color name Update	Check color name can be edited	-The staff click update icon and update the color name. -Then click save button	- The alert of successful update is appeared.	April 25 th , 2020

6.3	Removing Color name	Check color can be deleted	-The staff click delete icon	-The alert of delete message shown.	April 25 th , 2020
6.4	Size adding	Check size can be added.	-The staff fill the name of size and then click "Save".	- The message of "Created Successfully" need to be appeared	April 25 th , 2020
6.5	Size name Update	Check size name can be edited	-The staff t update icon and update the size name. -Then click save button	- The alert of successful update is appeared.	April 25 th , 2020
6.6	Removing Size name	Check size can be deleted	-The staff click delete icon	-The alert of delete message shown.	April 25 th , 2020
6.7	The registering color and size display	Check the recorded data are displayed or not	-The staffs record the data and click save button	-The data that are added will be displayed in the admin dashboard	April 25 th , 2020

Test Plan 7: Admin Township and Supplier Entry

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
7.1	Township adding	Check township can be added	-The staff fill the name of township and then click "Save".	- The message of "Created Successfully" need to be appeared	April 26 th , 2020
7.2	Township name Update	Check township name can be edited	-The staff click update icon and update the township name. -Then click save button	- The alert of successful update is appeared.	April 26 th , 2020
7.3	Deleting Township name	Check township can be deleted	-The staff click delete icon	-The alert of delete message shown.	April 26 th , 2020

7.4	Supplier adding	Check supplier can be added	The staff fill the name, phone, email address, of supplier	The message of “Created Successfully” to show	April 26 th , 2020
7.5	Deleting supplier name	Check supplier can be deleted	The staff click delete icon	-The alert of delete message shown.	April 26 th , 2020
7.6	The register township display	Check the recorded data are displayed or not	-The staffs record the data and click save button	-The data that are added will be displayed in the admin dashboard	April 26 th , 2020

Test Plan 8: Admin Product add

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
8.1	Product Adding	Check products can be recorded	-The staff fills product name and add price, add description, choose category, choose color, size, photo. -Then click “Save” button	- The message of “Created Successfully” need to be appeared	April 26 th , 2020
8.2	Product Name field	Check name can be null	The staff does not insert name and click Save	“Please Fill Out this Field” message need to be displayed	April 26 th , 2020
8.3	Product price field	Check price can be null	The staff does not insert name and click Save	“Please Fill Out this Field” message need to be displayed	April 26 th , 2020
8.4	Product Photo filed	Check photo can be null	The staff does not insert photo and click Save	“Please Fill Out this Field” message need to be displayed	April 26 th , 2020
8.5	Product information update	Check product can be updated	-The staff click update icon and update product -Then click “Update”	-The alert of successful update is appeared.	April 24 th , 2020

8.6	Product Delete	Check product can be deleted.	-The staff delete product by clicking “Delete”	-The alert of delete message shown.	April 24 th , 2020
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Test Plan 9: Customer add to cart and check out procedure

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
9.1	Customer add to cart	Check customer can put the items to cart.	-The customer chooses products and details and click add to cart	-The message “successfully add to cart” show and display the items in add to cart	April 27 th , 2020
9.2	Add more than one product	-Check as much as items can be added	- The customer add not only one items	-It is accept and reach to cart	April 27 th , 2020
9.3	Calculation process	-Check the total amount is right or not?	- Look at the add to cart and prices are auto calculate	-The total amount needs to be right result	April 27 th , 2020
9.4	Check Out Process	-Can order or not?	-Customer check information and click checkout	-The message of “Order Success” to be displayed	April 27 th , 2020
9.5	Update Customer information	-Can change information	-When checkout, customer change some information	-There is no error message and accept order	April 27 th , 2020
9.6	Receive Date checking	-Check the day is to be the day after make order or everyday can be accept?	-Customer can only choose the day after ordering	-The calendar will be only for the days after ordering	April 27 th , 2020
9.7	Receive Time checking	-Check the time can be available for the set time from 9AM-5PM	-Customer choose wrong time that has not between the set time	-The error message will be showed	April 27 th , 2020

Test Plan 10: Admin panel order, order report, customer information

No.	Test Case	Test Objectives	Test Procedures	Expected Result	Date
10.1	Order list can be view	Staff can look order list or not.	Staff check the order list on dashboard with order detail	After customer make order, the order list will appear on admin panel	April 28 th , 2020
10.2	Order Report	Staff can view order report with product detail	Staff choose the start day to end day when he want to look which order are in pending stage	The orders which are in pending stage is appeared in dashboard	April 28 th , 2020
10.3	Order report by customer information	Staff can view the current date of order list	Staff choose the current date and township	The orders which are in pending stage is appeared in dashboard	April 28 th , 2020
10.4	Customer information	Staff can view of customer information	Staff can view account for to make contact	The register account are appeared in dashboard	April 28 th , 2020

6.3 Test Script

Test Case	1.1	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	To create fashionshop database
Test Procedure	Insert database name. Then create		
Expected Result	fashionshop database is created		
Actual Result	See figure a,b		

Before Testing



Databases

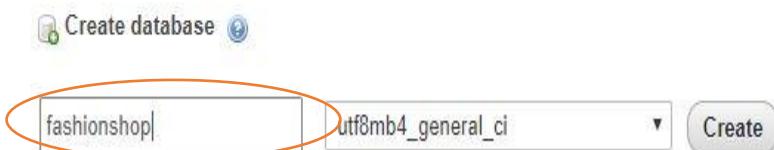


Fig (a)

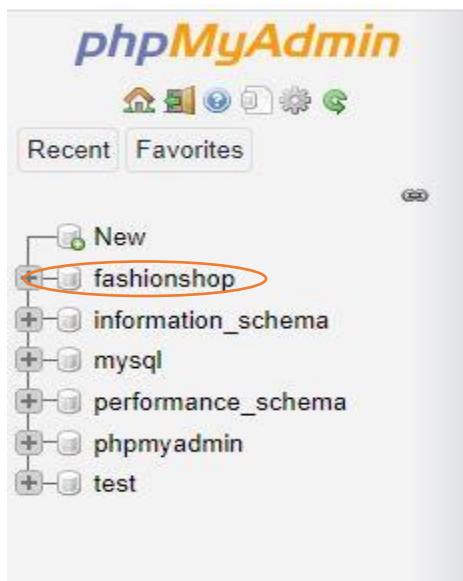
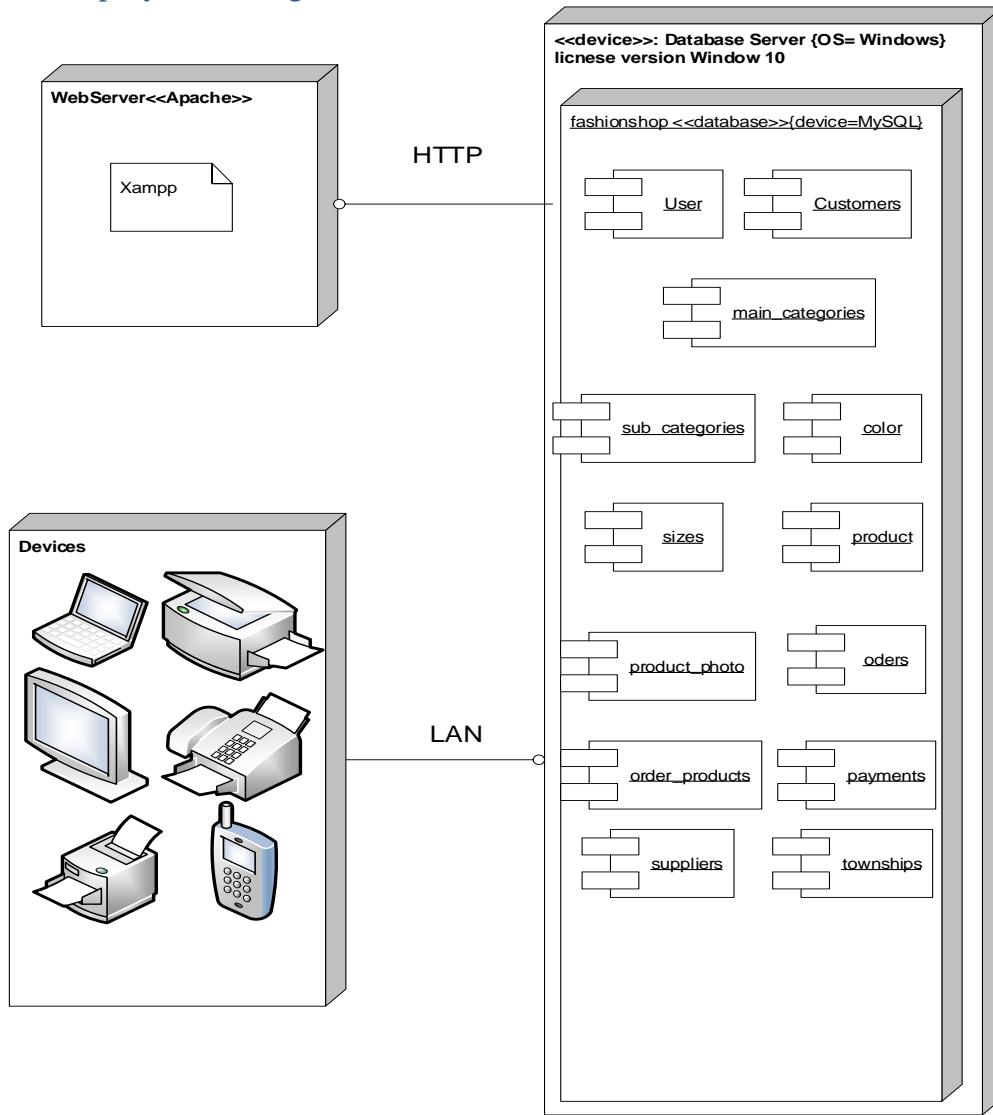


Fig (b)

For the rest of test scripts, see in Appendix (D)

Chapter (7) System Implementation

7.1 Deployment Diagram



Explanation of Deployment Diagram

The deployment diagram is also under one of Unified Modelling Language (UML). The deployment diagram is the physical deployment for information that is generated by web-based program on hardware component. As for the servers, there will be two servers – apache server and database mysql server using Xampp. In apache web server, all program files are kept and database files will be stored in mysql database server. In the database server, there will be 19 files for this project system that are described in the diagram. The two servers will be run with local host with HTTP protocol. For digital devices, laptops, computer, printers, faxes, telephone are suitable to connect and use LAN cable to connect for the safety.

7.2 Data Migration

It is the process of relocating stored information within data services like computers, data storage systems, and files formats while changing database, or storage is called data migration. Data Migration occur when upgrading servers or restoring, system maintenance, change of data center, and software upgrades. Data migration can reduce human resources from dull tasks and accomplished to achieve an automated migration.

7.2.1 Background of the project

This project is developing the web-based system using database system for the fashion online shop, the Fashionista. They are running their business currently as manual system which is mainly paper-based and now they are planning to change web system for online shopping. This system will make more comfortable and easier to both customers and staffs. Although the change is good, there may be some people who do not have technology skills and how to use websites system which are unfamiliar for them. As for this web-based system, Data entry staffs will insert all data and migrate to new system.

7.3 Strategy Plan for changing to new system

7.3.2 Strategy

The staff are not familiar with the use of technologies, and they are familiar with the manual system. Therefore, there are some difficulties for changing into computer system, and they afraid to use the computer system because if they make some mistakes, they don't know how to repair. In manual system, the system is running without computers then every data that writes down on paper, not record in computer and they only record on books. During this situation, Type-in strategy will be useful and comfortable for this current system. As for using Type-in strategy, data entry staffs will be needed as most of the staffs at customers' service. Then, data entry staffs will finish this task in a brief time as they are used for the data entry. It will take long time to teaching the staffs and make them to complete this task. Data migration on paper to computers will be finished within a month.

7.3.3 Planning

No.	Data to Migrate	Responsible	Duration	Description
1	Main Category	Data Entry staff	1 day	Very first to complete among others
2	Sub Categories	Data Entry staff	2 days	After main category added, sub categories need to be added
3	Color	Data Entry staff	1 day	Color for products are added
4	Size	Data Entry staff	1 day	Size of products are added.
5	Product Photo	Data Entry staff	4 days	Product photo needed to save to add product.
6	Product	Data Entry staff	4 days	Product data are able to be added now which take long time because need to choose categories and other that is concerned with product.
7	Townships	Data Entry Staff	2 days	This data is also needed for delivering places which is only available for the places to deliver by our shop.
8	Order Report	Data Entry Staff	3 days	Order Report also needed which record order detail information with date.

Chapter (8) Training

User Analysis

This system is to provide the online fashion shop from the Fashionista company. Therefore this system is aim for both customers and staffs who will get information from customer. This system has both the staff action and customer action. For staff, they need to have to get a degree from one university. Another one is they need to know the basic level in computing skill need to know how to use technology.

For the customer side, they can be various age and their education level will not be same. The customer who will use our system need to know how to use computer and know how to use internet. Therefore developer and designer need to design the system's user interface easily and clearly to use. User display need to simple, clearly, tidy and neat.

At first, staffs need to train in 1 month and half to use this program skillfully. All staff who will use our system need to get training. The manager also need to be trained. If there is some problem, he needs to solve the error. Therefore, manager need to know this program. For the customer side, the user interface design should be simple and clearly to use. If the customer who are old people, they can't use the complicated interface design. Therefore, this program need think for all level of customer. If the customer can't use this program easily, this program is not suitable for user.

The training will take 3 days in each week of Sunday, Tuesday, and Thursday and this programme will takes 2 weeks and times will be for the morning section (8AM- 10PM) and evening section (4AM-6AM). The manager and senior staffs will be trained at morning section and junior staffs will be trained at evening section. The training location will be held in MICT park. The trainers are IT specialists who are from outsource and they will train the staffs to use the system easily and perfectly in a short time and train the staffs to solve the problems if something wrong in the system.

Training Plan

Training plan for Manager and Senior Staffs

Time	Date	Location to train	Description	Type of user
8AM-10AM	5/4/2020	MICT park	Computer Basic	Manager and senior staffs
8AM-10AM	7/4/2020		Computer Basic	
8AM-10AM	9/4/2020		Main Category Entry	
8AM-10AM	12/4/2020		Sub Category Entry	
8AM-10AM	14/4/2020		Product Color Entry	
8AM-10AM	16/4/2020		Product Size Entry	
8AM-10AM	14/4/2020		Products Entry	
8AM-10AM	19/4/2020		Township Entry	
8AM-10AM	21/4/2020		Supplier Entry	
8AM-10AM	23/4/2020		Order Check	
8AM-10AM	26/4/2020		Order Report Check	

Training plan for Junior Staffs

Time	Date	Location to train	Description	Type of user
4PM-6PM	5/4/2020	MICT park	Computer Basic	Junior Staffs
4PM-6PM	7/4/2020		Computer Basic	
4PM-6PM	9/4/2020		Main Category Entry	
4PM-6PM	12/4/2020		Sub Category Entry	
4PM-6PM	14/4/2020		Product Color Entry	
4PM-6PM	16/4/2020		Product Size Entry	
4PM-6PM	14/4/2020		Products Entry	
4PM-6PM	19/4/2020		Township Entry	
4PM-6PM	21/4/2020		Supplier Entry	
4PM-6PM	23/4/2020		Order Check	
4PM-6PM	26/4/2020		Order Report Check	

Chapter (9) User Manual

User Manual Guide for Customers

Firstly, before opening and use this Fashionista, fashion online shop, there need to have internet connection as it is online service.

1. Display Screen for fashion clothing and accessories.

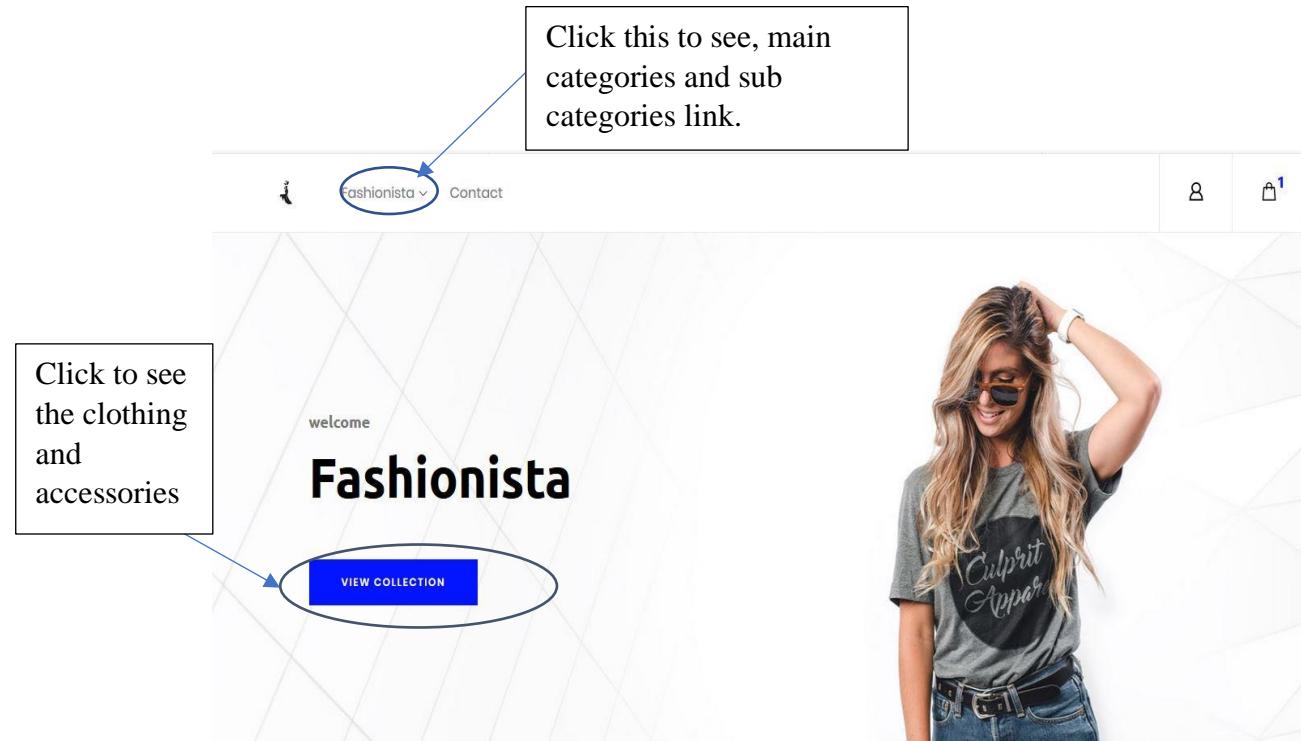


Figure (1).

This is the menu design for categories and click everywhere you want to choose

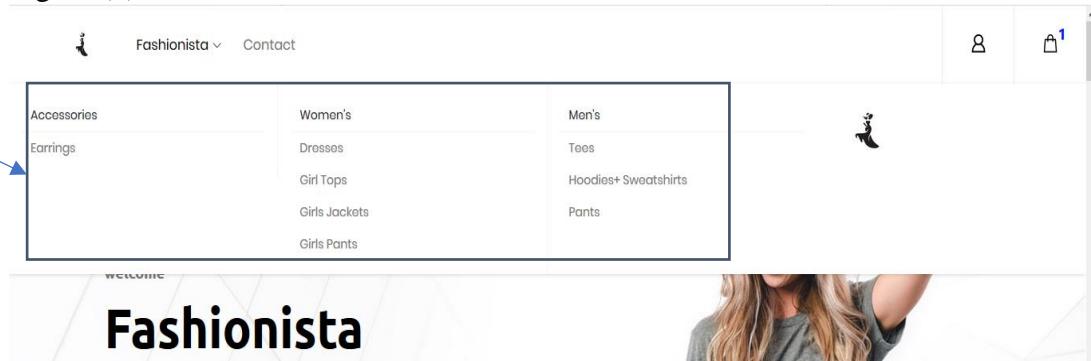


Figure (2).

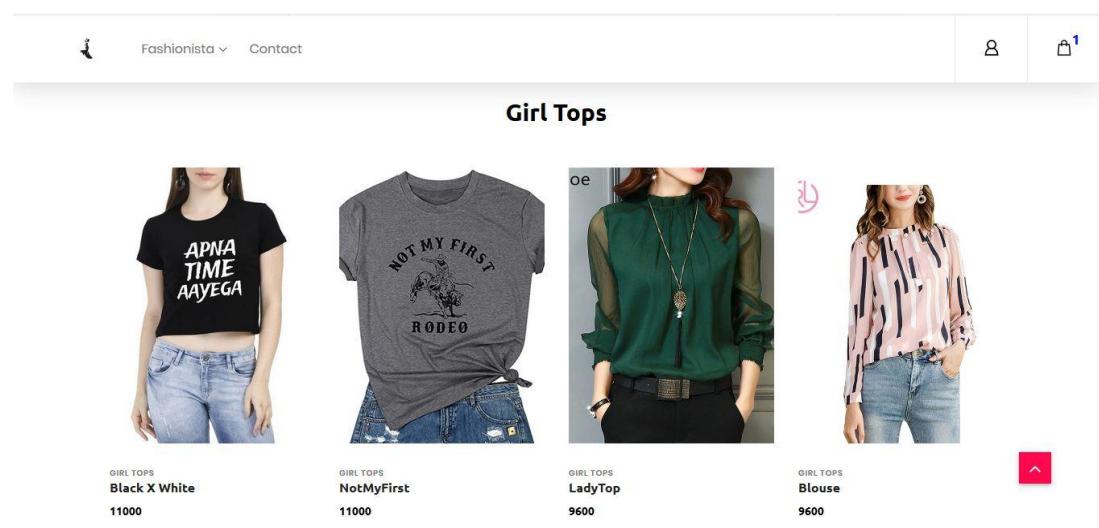


Figure (3) You can view the clothing and accessories by clicking view collection as I mentioned above and you don't need to choose categories. The items are display with slide image automatically after 2 or 3s.

For the rest of user manual guide, see at Appendix (E)

Chapter (10) Security

While the company run with manual system, there is no need about security problems, but changing to computerized system need a lot of security cause of some errors can occur during running the system. Therefore security system should need to install and apply in every employees' computer or laptops which they will use for managing the system. Need to train staffs to solve the problems with IT.

Hardware Data Security

Hard Drives

For the system we need to encrypt all the data file with Encrypting File System and make sure that everyone cannot opening the key to access. So if the files are stolen by someone, they cannot access cause of they don't have key. The system's owner need to have only key access for not leaking the data and there will be no problems.

Computer System

Hackers can hack the data from both inside and outside of the system. They might hack the customers' data and leak public and so there can be problems between customers and owners. And the business may also ruin. So for not being like that, the data need to be protected making higher security like making hard and strong passwords which can be easily hacked. The staffs need to know that they need to should divide the laptops with personal and business use. They should not use same laptops. The business laptops need to put great security for not easily access.

Keep data with removable drives

Sometimes we keep the data not only on the laptops but also keep in other removable devices like USB flash drives, CD, DVD. If we apply these devices to laptops, it can bring virus. So install Norton software to scan these devices that they have threats or not. This software can alert if virus detected in this device.

Software Data Security

Installing anti-virus software

There need to install anti-virus software which are licensed version for every staffs' computers of laptops. These software will protect from virus detected. There are some great anti-virus software like Kaspersky, Norton, MacAfee, Bull Guard and so on. I recommended Norton anti-virus software because it is the top seller which has reasonable prices. Norton run automatically as soon as opening the computer. Norton software protect computers from virus, protects data, prevent from hacker by scanning the computers constantly. Norton can also block phishing from websites and this will alert you when virus is occurred.

(Ayers, 2019)

Make strong security password

As our system need to record customers' data in the system, we need to apply strong security password system in our system. For the register and log-in function for customers, customers need to change their passwords every 3 month for data security. For the confidential data must have their passwords very strong and complicated ones which cannot be easily access by hackers. Strong and complicated password must include both upper and lower case, 1 or more digit and special characters. These complicated passwords are hard to guess and access by hackers. For e.g. the password should be “lighTT2\$\$” instead of putting passwords your name only or numbers only like “sarah” or”1234” which are very easy to guess by hackers.

Backup Data

To prevent data loss cause of database server error or lost from technical issues, backup data must be done. Make back up data files by installing “Kaspersky File backup and encryption” functions or manually backup data with USB flash drives or somethings. Check every time to ensure the backup data is updated regularly.

(kaspersky, 2020)

Security in Network

For making better security, need to block the websites which are not related or necessary and only allow for websites which are for business. This can be prevented from online hackers from malicious websites, malware software. We also need to install firewall for detecting any malware running on the computers or block from malicious connections.

Chapter (11) Backup processing and Recovery

Every business need backup and recovery system like making copy all the data files and keep in the USB hard disks, or other places not in the same computer and can also store in the database server for preventing data loss. There may be unexpected condition like server breakdown or system error, hacker hacked the data and delete file, unexpected weather conditions which can make data lost and impact to business. For that case, if we backup data regularly, we can make recovery system and implement again in time.

The main reason of backup processing is to ensure for preventing data which is accidentally delete, data loss cause of error or virus detected and so copying data and store in other place can help for recovery.

For the protection of backup data files, I recommend NovaStor backup software which protect all data files, folders, systems and applications from data loss. This software has also good security because this software has encryption options with various levels and so no one can open the files although they stole. The users can view their files and update data from NovaStor software. Although backup and recovery process is important, there also need to have great security and need to keep them safely. Most of the users backup data with external hard drives which can be easily accessed by the hackers and so instead of storing with these, using cloud drive service is much better because the security system is strong.

(Rivera, 2018)

Chapter (12) Evaluation

Evaluation against from Aims and Objectives

Our Fashionista online fashion retailer shop is now changing to computerized system to increase company profits and make customers feel comfortable. If the incomes and profits are increased by this project, this Fashionista retail shop will be more successful so the company need more customers than before. The company need a lot of customer's trust and strong relationship with shop and customers. Therefore, in order to gain success, firstly the Fashionista company need analysis of the current system, customer requirements. Analyzing is the most essential in developing the system. I then studied and make comparison of the literature review. I defined functional and non-functional requirements and make MOSCoW prioritization, Time box plan and which risk can be occurred are provided and made risk analysis. The company also want to develop coding for the system and make testing for finding and fixing errors. Another important process is giving training for the staffs to understand how to use this system usefully and easily.

What have been done

During the aims of the projects, I already made analyzing of this system to change online web system. And for becoming the successful project, payment system from manual is changed to computerized system which reduced manpower. Nowadays, technologies are always new and update and everyone cannot live simply without technology. For developing web based online shop system, programmer need to implement code for this system. The coding for this website had already developed. For the final, testing has been made for finding errors.

Problems occurred while developing the project

During developing the system, every stage has problem at least. Making which are functional and non-functional requirements are a little difficult. While making MOSCoW prioritization for this web system, think a lot about which system are most essential and need to do first, which are not very important and can do later and functions that is not essential for the projects. Therefore need to think carefully about the whole system. For the time box plan , it take a lot of time to consider dates carefully to provide functions. For the coding, some are not so familiar and so need to find resources in the internet for providing the system and it was difficult and it take a lot of times. For the designing the system, it is also one of the most difficult part because the system design need to best and easy to use and user familiar for every customer.

Lesson Learnt from developing the system

During developing the system, there are many new to learn and there are many unfamiliar processes. Analyzing and make collection of requirements are unfamiliar process. And project team are also not enough experience of this system and so they had made researching of similar systems from internet and investigated. For the system developing, the use of programming language, methodology, database, design are learnt. The other process that had learnt is making timebox plan for this system.

Evaluation against with comparison of similar system

Make Comparison of the system between Fashionista and asos fashion shop as follow-

- These two systems are both with internet.
- Both systems can view fashion clothing and accessories with suitable main category and sub category.
- Both systems can make add to cart their want to buy items.
- Both systems can make online registration and login account.
- Can make checkout functions and check the users information and can update.
- The customers just need only one log-in time for using this system.
- User manual is included.

Evaluation against of Project Plan

Is the project is on track with the plan?

As I am beginner, this project system is not easy and there are a lot of difficulties I had occurred during developing each stage of the project. Although there are so many issues during the progress, the project is on track with the plan. For analyzing requirements, it is successfully finished with company information and needed. The diagrams of Use case, Sequence, State , details class diagram are also successfully done for this project. For implementation stage, webpage outline, web design, coding and final stage have many issues for me during the progress. Testing process include code testing and web testing were also successfully done. I also managed well in training process which is very important for the staffs and it is success.

What was complete on time?

In this project, some processes were complete on time but some are not complete. Analysis stage is finished on time because it is the most important part `and it is need to be done in time. The diagrams about this project are also complete with both diagrams and descriptions for each diagram. And the process which is also very important, Testing process is also successfully completed on time and need only simple app, snipping tool for the picture in this stage. The staffs who are in our company and use this system were also trained on time with detail training schedule plan.

What was not complete on time and why can't complete?

The estimated time for the projects is not enough to finish the complete system. It was not complete on time because of coding errors and there are some functions I can't make on time due to my skills was not great enough. So for the process, there need to take long time to find coding errors during implementation. It makes them not to complete the projects on time and it can make some major problem. Because of insufficient time for the project, I left some functions unfortunately because the deadline is near. I solved the coding errors first for the finished functions and so I can't make complete some functions on time. Due to my poor time management for this project, some of the implementation process are left to complete on time.

What Lessons Learnt?

I have learnt that time management is the most important part of the project to make complete on time. Now I learnt how to manage the time skillfully and how to make time balance for each process to success the project. There were some coding errors which make very stressful but I made solving these errors. I also learnt not only coding errors but also project planning management. For design process, I learnt and can make well in implementing use case diagram, detail class diagram, sequence diagram and state diagram. I also learnt well how to solve the issues in each stage.

Evaluation against of Justifications made

Methodology

- **Selected Methodology**

After making comparison of Waterfall and DSDM(Agile) methods, Agile methods was selected to be developed for this system. Because agile is very flexible and easy to use and understandable system. For using Agile, the development process is more clearly and visible immediately. The main reason of choosing agile is that cause of iteration approach. During the developing, programmer can go back easily to previous stages. So DSDM is more convenient and suitable methods for this system because during the developments, there can be some changes because of users requirements.

- **Problems occurred**

This Agile methodology is not familiar a lot with the project teams and they don't know some facts about this method. In agile, there is no detailed documentation and so project teams cannot write the project report easily and took a long time to complete that report. Therefore, they need to make research from the internet. And then this can get iteration process and so users want to change requirements again and again and so it make inconvenient for the project teams.

- **What lesson learnt from this methodology**

I make research and learnt of strength and weakness of agile method. We need to learnt from internet to know better about this method. We learnt how to concentrate the information of agile method and how to use this method more usefully and make time management for this project. We also learnt from making comparison of Waterfall and Agile which is easier and convenient for developing the system.

Programming Language

- **Selected Language**

With making comparison of Java and PHP to choose for implementing this system, I choose PHP language for this system because it is such online web system. And PHP is easier language to implementing and also easy for connecting with database language like MySQL. There is no need to paid fees for using this language and it is free to implement. So it is cheap to use and use together with PHP and MySQL is best on apache server which is free to use. We can also easily find resources and references about that language on the internet.

- **Problems Occurred**

We had learnt simple coding about php language and we had made only simple projects. We are not so familiar with some advanced functions and nowadays there are many frameworks which use with PHP like Laravel. The project team desired to use Laravel framework which is easy to design and faster to implement. But it is not familiar with us so we got a lot of problems with this while implementing this system. Sometime there was error in coding and need long time to fix errors.

- **What lesson learnt from this language**

During developing system, we learnt a lot about advanced and complex functions. We also learnt about design framework and better to know than before. For learning we cannot only learn PHP but we also need to know well about HTML which is the basic for web pages.

Database

- **Selected Database**

I made comparison with Oracle and MySQL. And I select MySQL as database language for the most suitable for this system. Because it is easy to use and free license so it was make great for us. For using Oracle we need to paid a lot to get license and so I rejected Oracle. And then PHP is better to use with MySQL database while connecting database and doing other database functions. It is easy to set up and configure to use. No need many steps and just install Xampp app for this system and run apache server and mysql.

- Problems Occurred**

As this system is big and there need a lot of tables to create for the whole system. And the relations with each table are more complex and so while creating there are some issues like wrong creating tables, wrong attributes and so on. As this database system is the most important part of the system so need a lot of care while creating the database tables and make relations. Sometimes connecting local host port number are need to change back and there is some problems with that.

- What lesson learnt from this database language**

Firstly, learning how to connect with PHP and MySQL server. The features and options of this language had been learnt and now can use easily. I learnt a lot about advantages and disadvantages of using MySQL which are important in developing the system. Then learnt about how to import and export database .sql file.

Pros and Cons of the new system.

Pros for this new system	Cons for this new system
<ul style="list-style-type: none"> -Easy to navigate. -User-friendly and clear interface. - Clear and easy recognizable functions -Work perfectly on all OS like windows, macOS, Linux. -Users can buy easily from this website, -As this systems has internet, there is cookie system for keeping user login. 	<ul style="list-style-type: none"> -Some functions are left undone for future development. -does not support other languages and only English is available. -Currency is only with MMK (Myanmar kyat). -there is only one share user account for all staffs to use this system so if the admin password change, all the staffs need to know. -Server can lack due to internet condition. -sometimes it take more than 3 seconds to load the actions cause of internet.

Chapter (13) Future Amendments

Details plan for future of this project

Although the functions are good enough and satisfied for this system but still need to develop new functions and upgrade some functions for better results. Now this system is only available with desktop version and I want to develop this system with mobile application in the future which make the users to use easier and this mobile application can make easy access to users. For accessing to the website it need more steps because they need to log in every time they want to use our web sites. For the mobile application, it will be easier just only open the app and no need log-in for access again. For the webpage, the users need to remember the website link. So I think mobile application development will make users to use easily. For adding more functions, I want to add in delivery process which can show detail time and date to deliver to the customers. I want to add card payment system which allow all types of card from local or other countries because now it is only available for the cash on delivery. For the payment results, I want to add new function about giving digital receipt to customers from email for customers to know that payment is right or wrong. If there is some problem, they can come to our company with that receipt to solve the problem. Therefore I want to add this feature in the future. Then I want to add purchasing system from supplier with inventory management system because this system is mainly focus for customers and so for the staffs they need to purchase the items from distributors with manually. I also want to add the features of view customer information and order list from the customer side in the future. Although my system has a little functions there is no error in my system and I will try best in the future.

For the design part, I want to add more features in the design for the customers' vision. So we need to make detail sitemaps, hierarchy diagrams for the better system design in the future. As the online shop system, the design is very important. The website need to have good quality in processing to do everything by users and not so complicated design. As our system has good design, I need to upgrade some places like showing items with nice design, detailed grid lines, color usage, creative background. The system needs to have both great standard in vision and easy to use by customers. I want to upgrade the logo for the shop which can be seen clearly and beautiful and easy to remember.

As for the future plan of this project, I want to describe why I want to launch the mobile application in the future. The company can get more profits from developing mobile applications and there can be more customers to buy from our shop because it is easier to access the application and no need to paid for that application. As we can launch the application in the future, we may gain more customers' trust and loyalty. The customers just need to download the application and just easy installation. And the process, design are consistent with website version for the users not to confuse. The users only need one time to register account and log in and they don't need to log in again and again while trying to use that application. They can easily search the items as the mobile phone are touch screens and so it is easy to find. They can also add to wish list of their favorite and add to cart like web site version. All the processes are same as website version and so users need to learn again how to use.

Chapter (14) Conclusion

Conclusion for the project

As for me, developing web-based system with database for Fashionista fashion shop was not very easy in beginning because this is not real shop and for requirements, I need to research a lot. As this system is changed from manual system to websites system, I need to decide what methods will use, what programming language and what database language will be used. I tried in both report and coding for giving the website with better qualities and no error to customers.

During implementation of the system, there was a lot of difficulties in coding errors, system error, problem in laptop, design coding errors, data problems and so make data backup. I draw the future plan of this system which will be better in the future. User analysis is also important to this system and build mainly focus on customers who will use the most. So making target user analysis for getting their requirements. The system needs to make users' satisfactions in using and buy from our shop.

For choosing the programming language, need to think about first what system will be make and as our shop is desired to build website, so I choose PHP and MySQL language for building this system. While implementation the system, the website design and processes need to attract customers' interest which has neat design and user-friendly system.

As final, I made detail plan for the system in the future and explained in this report. The main aim of developing this system is to provide users and staffs to use IT system as the technologies are now very developing. Our company also want to communicate with customers with IT for better way.

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Appendix (A)

Project Proposal

Overview

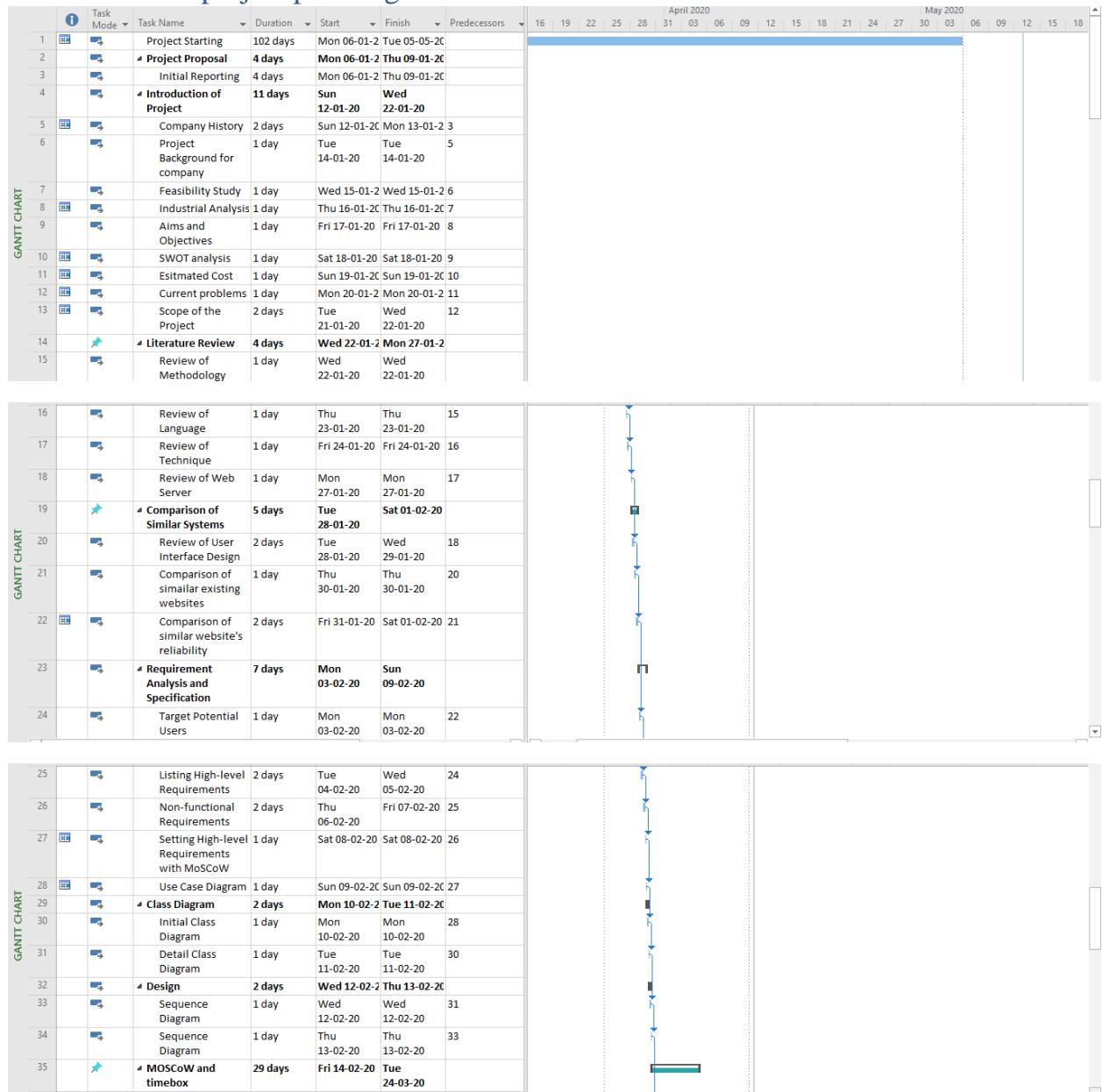
The system of sale and deliver clothes which are worked as manual will develop to online ordering system. This new system will be implemented as web-based system.

In this new system, the customers can be able to view the items with each category. The customer can find by inputting the labels of clothes and fashion accessories in search bar. The system will have the function of showing prices and detail information about the items. There has also the process of making favorite items. When the customer want to buy the items, there have shopping cart function and they can input as much as they want and they can also remove the items which they don't want from the cart. For the payment process, the system has the functions for both cash on and card payment system. The customers can choose one of the ways they like. Some customers do not like credit card payment because they afraid of losing money. That's why the system need to have both paying method. After ordering the items, they can also pick up from the shop by themselves if they don't want deliver to their homes. They can choose freely.

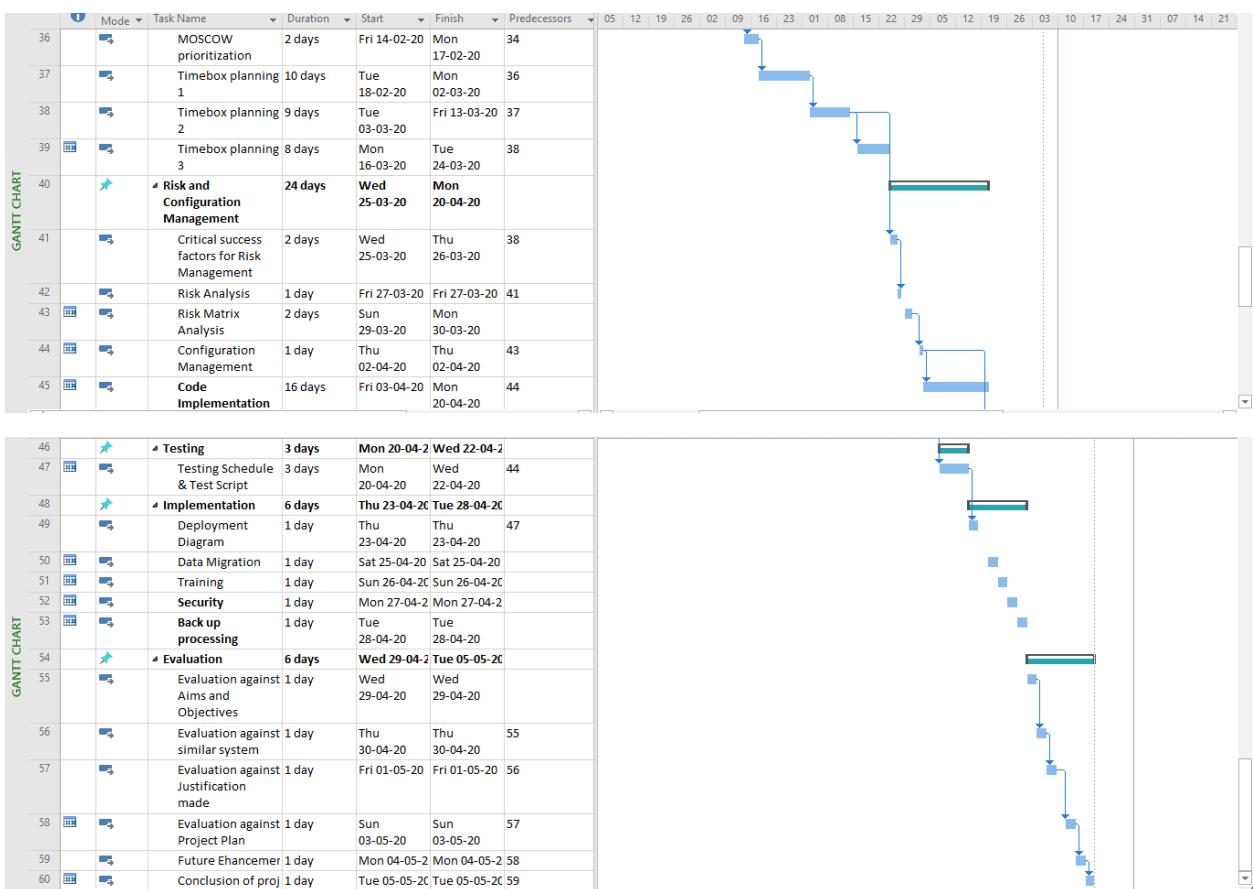
And then the new system will be both used by staffs from our company and the customers. The display will be different. The staffs can know the orders made from customers by using this system. And then they make the delivery from the delivery report which includes information.

This ordering and delivering system is need to be work in reality. Therefore this system should be perfect with the needed process without any fault. Then the software developer need to make this system easy to use for the customer because some of the customer do not know technical very well. Then we need to upgrade the system as the customer feedback and if there any error in using reality we need to fix the function fast. As the ordering is changed into the computerized system, the staff in our company need to be trained to use computer and other devices very well and need to know how to use technical devices easily. As this system is the ordering, deliver and payment system, network is need to be used. In our company, we need to put the computers and connect with wireless network to deliver the items that the customer orders and to connect with the customers network is needed. After implementing system, the company need to make advertising about the new system on social media such as Facebook, Instagram or manual marketing strategy.

Gantt Chart for project planning



UNDERGRADUATE FINAL YEAR PROJECT



Appendix (B)

Use Case (1)

Use Case Name	Login account
Actor	Customer
Pre-condition	To buy the products
Events flow	<ol style="list-style-type: none"> 1. Input username that is already registered. 2. Input password that is already registered.
Post-Condition	Successfully login

Use Case Name	View Items
Actor	Customer
Pre-condition	To add cart and buy the products
Events flow	<ol style="list-style-type: none"> 1. Choose Categories. 2. Choose product to add to cart for ordering
Post-Condition	

Use Case Name	Search the items
Actor	Customer
Pre-condition	To search the products they want to buy
Events flow	<ol style="list-style-type: none"> 1. Click search box 2. Input keywords 3. Click search button
Post-Condition	The items with suitable keywords are appeared and if there is no such items, there will be blank in viewing the items

Use Case Name	Add Cart
Actor	Customer
Pre-condition	To add to cart the items that customer want to buy. In add to cart, they can update the items, amount of added items and remove the items
Events flow	<ol style="list-style-type: none"> 1. First Choose the products they want to buy. 2. Click Add to cart button. 3. Customer can view the items in the cart and choose what they want to buy
Post-Condition	The product is successfully add to cart.

Use Case Name	Check out
Actor	Customer
Pre-condition	To confirm the customer information of address and phone number and if there is card payment, check the card number
Events flow	<ol style="list-style-type: none"> 1. Check the order items 2. Check the address 3. Click confirm button to order the product
Post-Condition	Check out is confirmed. And order success.

Use Case Name	Choose Payment method
Actor	Customer
Pre-condition	To pay the order products
Events flow	<ol style="list-style-type: none"> 2. Choose method of payment 3. If customer want to paid with cash, choose cash on delivery. 4. For card payment, customer need to add card number correctly. 5. Clicked submit button.
Post-Condition	

Use Case (2)

Use Case Name	Register Supplier
Actor	Admin Staff
Pre-condition	To insert the supplier name of they buy the products from supplier
Events flow	<ol style="list-style-type: none"> 1. Fill the supplier name 2. Fill the supplier phone
Post-Condition	Supplier is now registered to the list.

Use Case Name	Manager Categories
Actor	Admin Staff
Pre-condition	To divide the items with suitable main category and sub categories for the customer to view
Events flow	<ol style="list-style-type: none"> 1. Record the main category name. 2. Register the sub category name. 3. Click save button.
Post-Condition	Categories are successfully register.

Use Case Name	Manage Product
Actor	Admin Staff
Pre-condition	To register products that they will sell and they can update the products and remove the products which are not available in shop
Events flow	<ol style="list-style-type: none"> 1. Register Product Name 2. Choose Category 3. Choose Color. 4. Choose Size. 5. Write Description of the product, 6. Register Price 7. Click save button
Post-Condition	Products are successfully registered.

Use Case Name	Manage Customer Information
Actor	Admin Staff
Pre-condition	To view the customer information which is right or wrong for the delivery
Events flow	<ol style="list-style-type: none"> 1. Check customer information with address and phone number.
Post-Condition	Can make delivery now.

Use Case Name	Manage order
Actor	Admin Staff
Pre-condition	To manage the order from the customer and check the order products if it is instock or out of stock.
Events flow	<ol style="list-style-type: none"> 1. Check Order Products 2. Check Order Reports which are still pending. 3. Check Customer Address and Phone
Post-Condition	Confirmed Order.

Use Case Name	Manage payment
Actor	Admin Staff
Pre-condition	To check what type of payment method customer use.
Events flow	<ol style="list-style-type: none"> 1. Check payment method
Post-Condition	

Appendix (C)

Class Name	Users
Attributes	Userid, UserType, Customer_ID, email, password.
Operations	addUser(), updateuser(), removeuser()
Explanation	The users class is for both admin and customers and describe with user type. The email and password of customer and staffs are stored in this database. There will be one admin account and if the admin want to change account, they can update at the database.

Class Name	Township
Attributes	townId, townshipName
Operations	autoID(), addTownship(), updateTownship(),removeTownship()
Explanation	This Township class is mainly control by admin dashboard. The admin can register township, update township and delete. This townships are deliverable places and the customer need to choose these townships when register account.

Class Name	MainCategories
Attributes	Id, categoryName, photo
Operations	autoID(), addMainCategory(), update(), delete()
Explanation	This class is to add main category name for the products from admin. Admin can add new category , update category name and delete the category. Admin can add category with photo.

Class Name	SubCategories
Attributes	Subid, name, mainId, photo
Operations	autoID(), addsubcategories(), update(), delete()
Explanation	This class is to add sub category name for the products from admin. Before adding sub categories, there need to have main category. Admin can add sub categories and choose the main category to put, can update name and change main category and add photo. Admin can also make delete. If the main categories delete, the sub categories which are under main will all delete. They are connected each other.

Class Name	Sizes
Attributes	Size_id, size
Operations	autoID(), addSize(), removeSize(), updateSize()
Explanation	This class is to add color for the sizes from admin. Admin can add the sizes name, update and delete sizes. Products can choose not only one size but also many sizes.

Class Name	Color
Attributes	Color_id, color
Operations	autoID(), addColor(), updatecolor(), removecolor()
Explanation	This class is to add color for the products from admin. Admin can add the color name, update and delete color. Products can choose not only one color but also many colors.

Class Name	Product_Photo
Attributes	Photoid, product_id, photo
Operations	autoID(), addphoto()
Explanation	This class is for adding photo for the products. The products can add not only one photo but also many photos. That's why I make Product_photo class.

Class Name	Products
Attributes	Product_id, name, color_name, size_name, product_price, sub_categoryID, product_details.
Operations	autoID(), addProduct(), removeProduct(), updateProduct()
Explanation	Above the class I mentioned are register, the products can be registered steps by step. The admin can add product with choosing sub_categories, write name, price, can choose more than one color they want to add and also sizes and choose photos for the product. The admin can add more than one photo in the products, write descriptions and click confirm. The admin can update products about name, prize, subcategories and can also delete products.

Class Name	Order
Attributes	orderId, townshipId, userId, address, receivedate, status
Operations	autoID(), addOrder(), deleteOrder(),updateAddress(),
Explanation	This class will be for both customer and admin. The customer can order the products by checking address, township and choose receive data. The customer can also update address here. For the admin, they will check the order with each status like pending, accept and complete. The admin can update these status and after the delivery, the status can be complete.

Class Name	Order_Product
Attributes	Id, product_id, order_id, quantity.
Operations	autoID()
Explanation	This is the dummy table from orders and products table. Because in one order there can be products include and also one product can be include in many order. That's why dummy table appear.

Class Name	Payment
Attributes	PaymentID, orderID, paymenttype
Operations	autoID(), addtype
Explanation	The class is for the ordering payment. This is connect with order table. When the customer make order, they need to choose the payment type for payment.

Class Name	Supplier
Attributes	Sid, S_name, email, phone, address
Operations	autoID(), addsupplier(), deletesupplier()
Explanation	This class is to register supplier information to contact by the admin. The admin can add supplier and also delete the supplier information.

Appendix (D)

Test Case	2.1	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	To register customer account
Test Procedure		<ul style="list-style-type: none"> - Insert name, email, address, phone, Township, Password, Confirm password. - Then create 	
Expected Result		Successfully Register message appear.	
Actual Result		See figure a, b	

Before Testing

The screenshot shows a 'Sign Up Form' with the following fields:

- First Name: Kimmy
- Email: kim@gmail.com
- Phone: 098887652728
- Address: 17 Insein Street
- Township: Kyimyinding
- Other Fields: Two empty dropdown menus labeled '...'.
- Buttons: A blue 'Sign Up' button and a link 'Already Sign Up? Go to Sign In Page'.

Fig (a)

After Testing

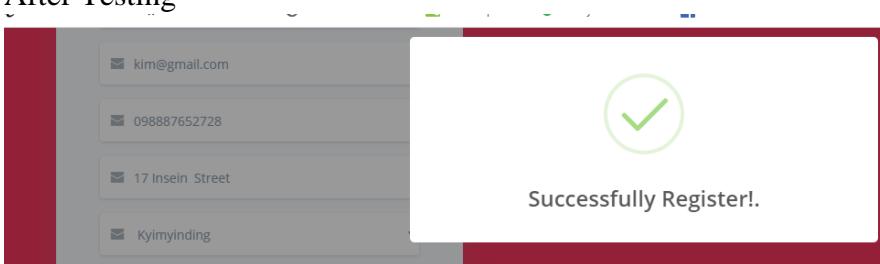


Fig (b)

Test Case	2.2	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	Check customer name can be null.
Test Procedure	<ul style="list-style-type: none"> -No insert data in customer name. -Then click Sign Up. 		
Expected Result	<p>The message of “Please Fill Out this Field” need to be appeared</p>		
Actual Result	See figure a, b		

Before Testing

Sign Up Form

Name:

Email:

Phone:

Address:

City:

...

...

Sign Up

Fig (a)

After testing

Sign Up Form

Name: ! Please fill out this field.

Email:

Phone:

Address:

City:

...

...

Sign Up

Fig (b)

Test Case	2.3	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	Check email can be null.
Test Procedure	<ul style="list-style-type: none"> -No insert data in email -Then click Sign Up. 		
Expected Result	<p>The message of “Please Fill Out this Field” need to be appeared</p>		
Actual Result	See figure a, b		

Before Testing

Sign Up Form

Kimmy

Email

098887652728

17 Insein Street

Hlaing

...

...

Sign Up

Fig (a)

After Testing

Sign Up Form

Kimmy

Email

09888765 Please fill out this field.

17 Insein Street

Hlaing

...

...

Sign Up

Fig (b)

Test Case	2.4	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	Check phone number can be null.
Test Procedure	<ul style="list-style-type: none"> -No insert data in phone -Then click Sign Up. 		
Expected Result	The message of “Please Fill Out this Field” show.		
Actual Result	See figure a, b		

Before Testing

The screenshot shows a 'Sign Up Form' with the following fields filled or present:

- Name: Kimmy
- Email: kim@gmail.com
- Phone: (empty)
- Address: 17 Insein Street
- City: Hlaing
- Two additional empty input fields below the address.
- A blue 'Sign Up' button at the bottom.

Fig (a)

After Testing

The screenshot shows the same 'Sign Up Form' after testing. The 'Phone' field is now highlighted with a yellow background and a red border, and a tooltip message 'Please fill out this field.' is displayed above it. The other fields and the 'Sign Up' button are identical to Fig (a).

Fig (b)

Test Case	2.5	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	Check password can be null.
Test Procedure	<ul style="list-style-type: none"> -No insert data in password -Then click Sign Up. 		
Expected Result	The message of “Please Fill Out this Field” show.		
Actual Result	See figure a, b		

Before Testing

Fig (a)

After Testing

Fig (b)

Test Case	2.6	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	Confirmation password is not matched with password box
Test Procedure		<ul style="list-style-type: none"> -Customer fill wrong password in confirmation password and not match. -Then click Sign Up. 	
Expected Result		Error message display	
Actual Result		See figure a, b	

Before Testing

Fig (a)

After Testing

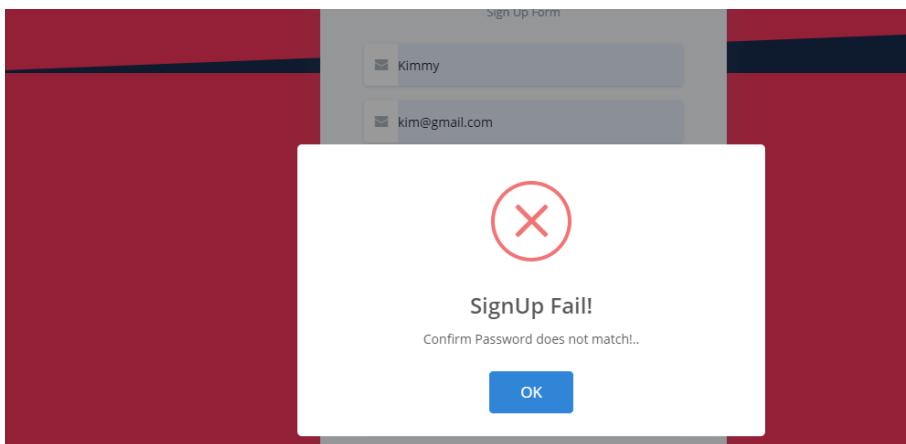


Fig (b)

Test Case	2.7	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	No value added
Test Procedure		<ul style="list-style-type: none"> -No insert data in confirmation password -Then click Sign Up. 	
Expected Result		The message of “Please Fill Out this Field” show.	
Actual Result		See figure a, b	

Before Testing

The screenshot shows a sign-up form with the following fields:

- First Name: Kimmy
- Email: kim@gmail.com
- Phone Number: 098887652728
- Address: 17 Insein Street
- City: Hlaing
- Country: ...
- Confirm Password: (empty)

A blue "Sign Up" button is at the bottom right.

Fig (a)

After Testing

The screenshot shows the same sign-up form after testing. The "Address" field is highlighted in light blue, indicating it is the current target or has an error. A red-bordered box contains the error message: "Please fill out this field." The other fields remain empty.

Fig (b)

Test Case	2.8	Tester	Myat Noe
Date	April 20 th , 2020	Test Objectives	The already existed email is again register.
Test Procedure	Customer is inserted the existed email		
Expected Result	-Error message should be appeared		
Actual Result	See figure a, b		

Before Testing

The screenshot shows a 'Sign Up Form' with the following fields:

- Name: James
- Email: kim@gmail.com
- Phone: 876898
- Address: 21 nyaung tone
- Gender: BaHan
- Birth Year: ...
- Other: ...

A blue 'Sign Up' button is at the bottom right.

Fig (a)

After Testing

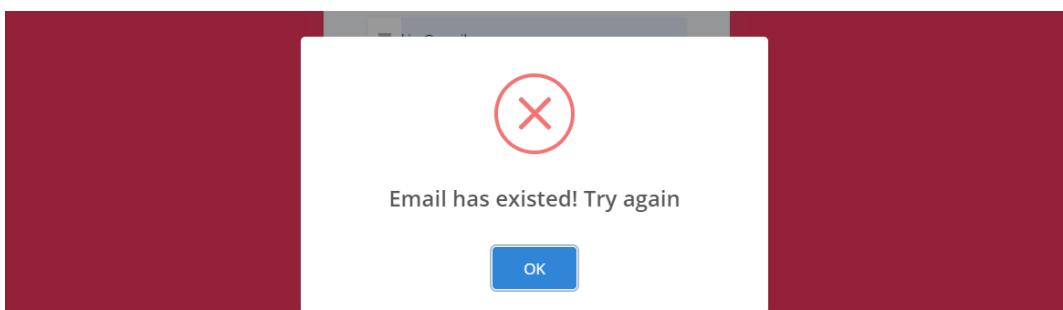


Fig (b)

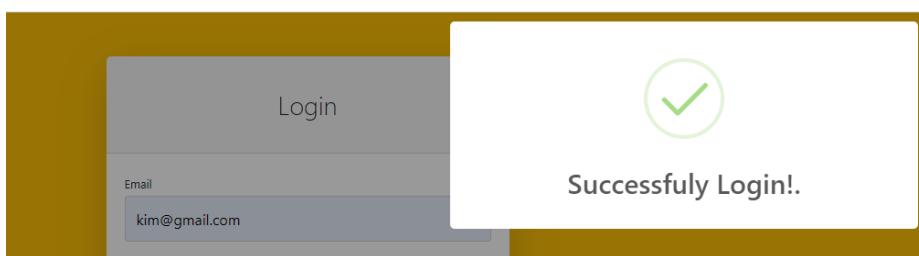
Test Case	3.1	Tester	Myat Noe
Date	April 21 th , 2020	Test Objectives	Login for customer
Test Procedure		<ul style="list-style-type: none"> -The correct email and password that is already registered is filled. -Then click Login. 	
Expected Result		The message box of “Successfully Login” is show	
Actual Result		See figure a, b	

Before Testing

The screenshot shows a 'Login' interface. It has fields for 'Email' (containing 'kim@gmail.com') and 'Password' (containing three asterisks). There is a 'Remember password' checkbox, a 'Forgot Password?' link, and a blue 'Login' button. Below the button is a link 'Need an account? Sign up!'

Fig(a)

After Testing



Fig(b)

Test Case	3.2	Tester	Myat Noe
Date	April 21 th , 2020	Test Objectives	Wrong data can be accepted or not.
Test Procedure	<ul style="list-style-type: none"> - The wrong email or password which is not register is filled. -Click Login 		
Expected Result	<ul style="list-style-type: none"> - Error message of login fail should be appeared. 		
Actual Result	See figure a, b		

Before Testing

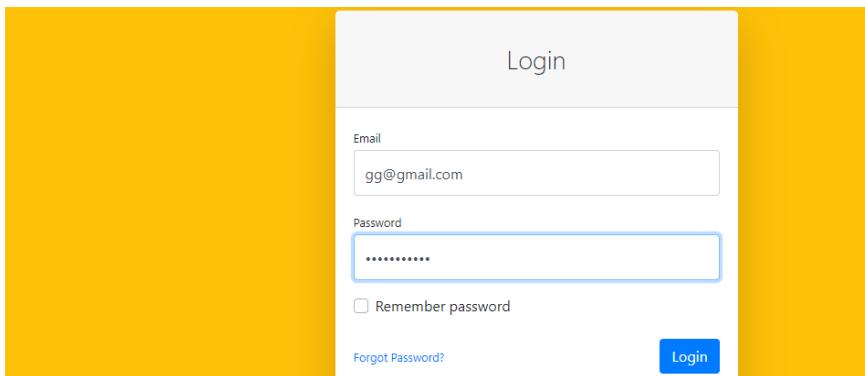


Fig (a)

After Testing

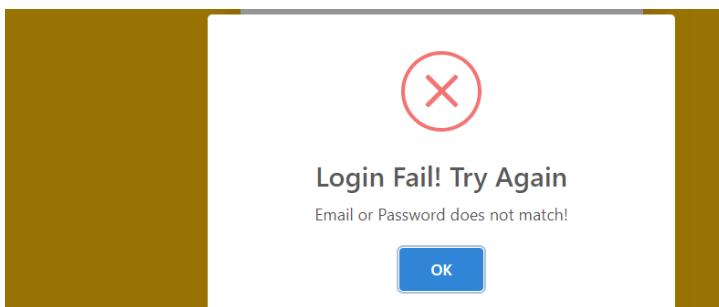


Fig (b)

Test Case	3.3	Tester	Myat Noe
Date	April 21 th , 2020	Test Objectives	Make email blank
Test Procedure	Customer does not insert email and click login		
Expected Result	Error message is displayed		
Actual Result	See figure a, b		

Before Testing

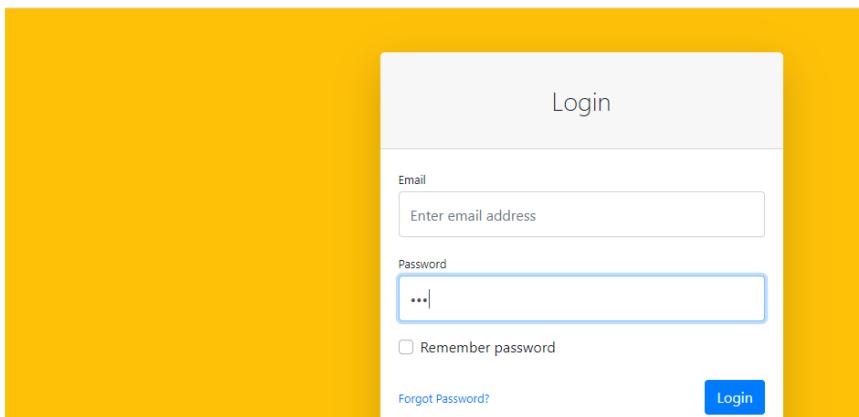


Fig (a)

After Testing

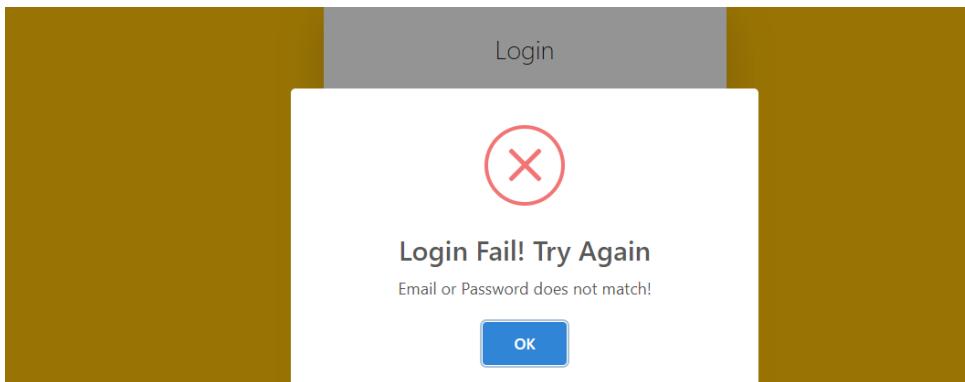


Fig (b)

Test Case	3.4	Tester	Myat Noe
Date	April 21 th , 2020	Test Objectives	Make password blank
Test Procedure	Customer does not insert password and click login		
Expected Result	Error message is displayed		
Actual Result	See figure a, b		

Before Testing

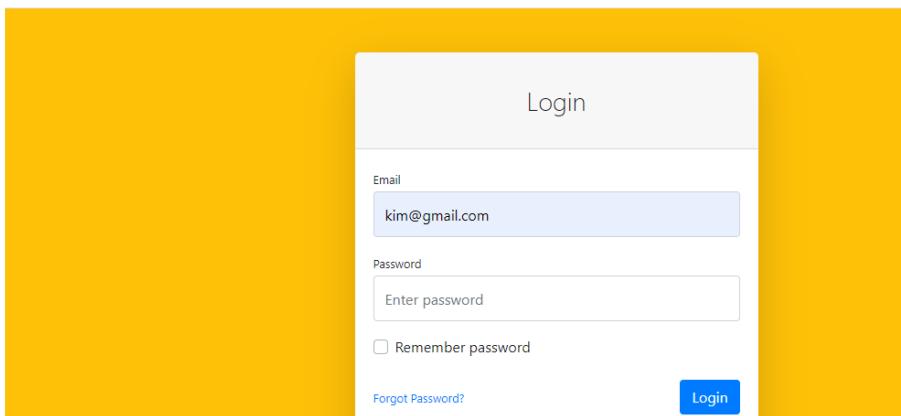


Fig (a)

After Testing

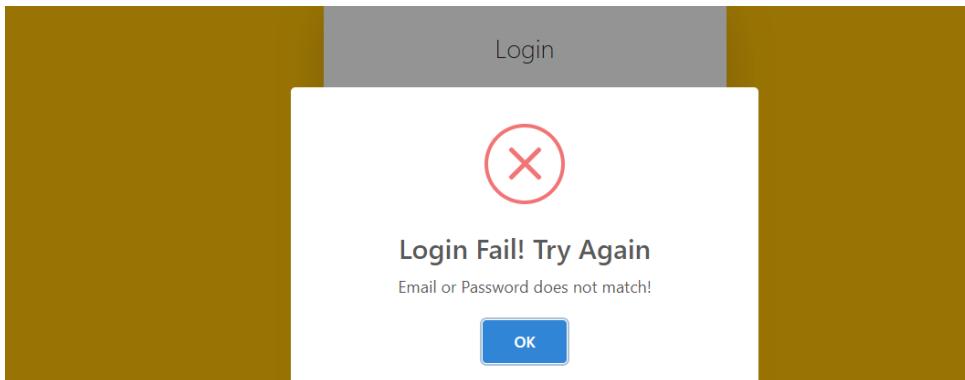


Fig (b)

Test Case	3.5	Tester	Myat Noe
Date	April 21 th , 2020	Test Objectives	System Logout
Test Procedure	Click log out button		
Expected Result	The display should be reach to the main screen		
Actual Result	See figure a, b		

Before Testing

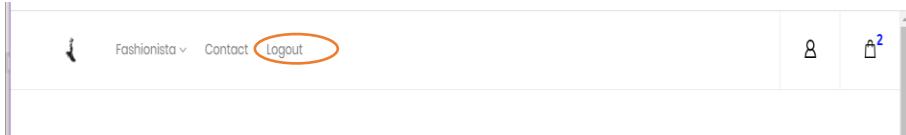


Fig (a)

After Testing



Fig (b)

Test Case	4.1	Tester	Myat Noe
Date	April 22 nd , 2020	Test Objectives	The only one account for staff is filled
Test Procedure		The staff filled admin account correctly and log in.	
Expected Result		The message of “Successfully Log in” will appear.	
Actual Result		See figure a, b	

Before Testing

Fig (a)

After Testing

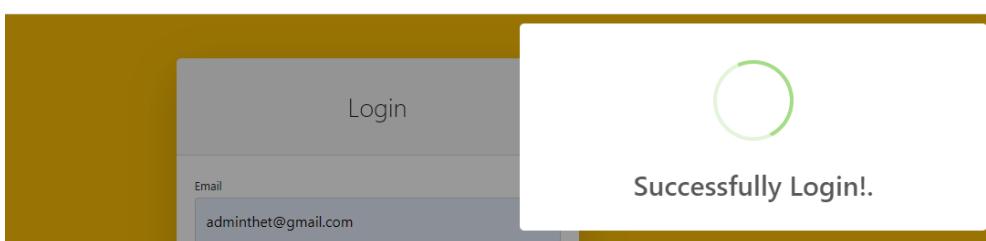


Fig (b)

Test Case	4.2	Tester	Myat Noe
Date	April 22 nd , 2020	Test Objectives	Fill the email and password which is not about admin account.
Test Procedure		The staff filled other account which is not identified as admin account and log in.	
Expected Result		-Error message is appeared	
Actual Result		See figure a, b	

Before Testing

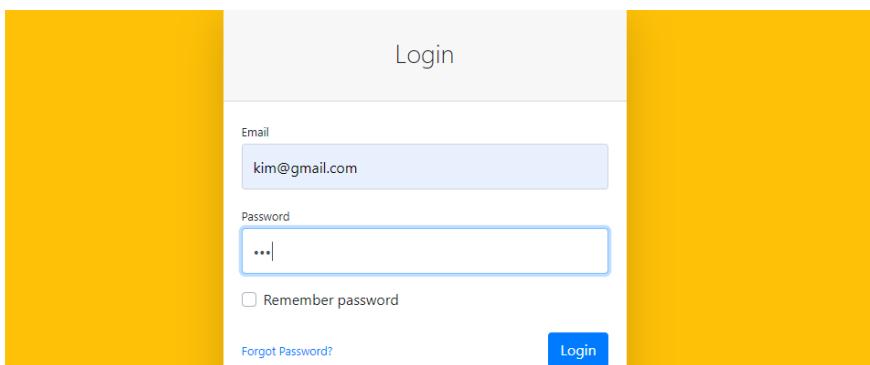


Fig (a)

After Testing

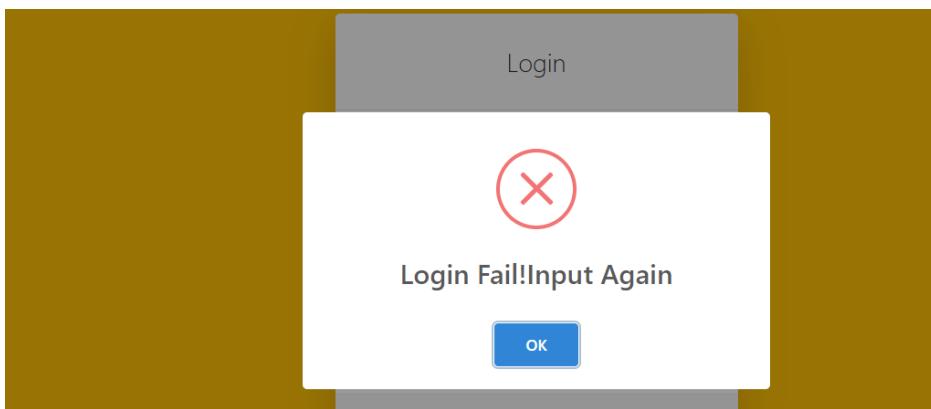
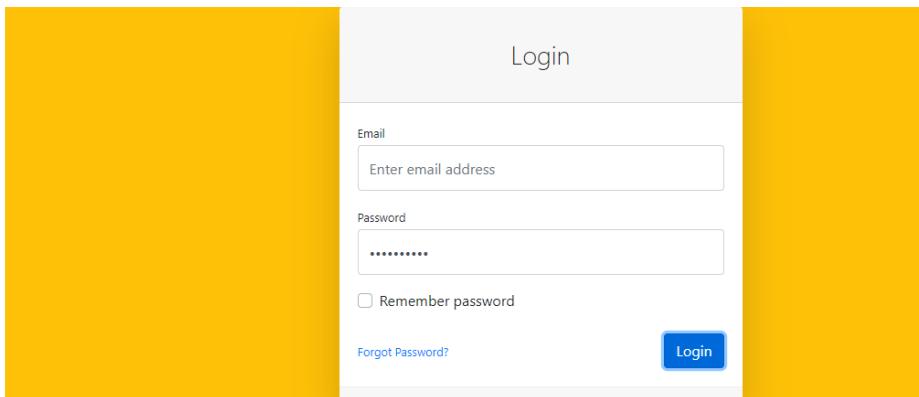


Fig (b)

Test Case	4.3	Tester	Myat Noe
Date	April 22 nd , 2020	Test Objectives	Email not inserted
Test Procedure	Check email can be null		
Expected Result	-Error message is appeared		
Actual Result	See figure a, b		

Before Testing



The image shows a login interface. At the top center is the word "Login". Below it is a form with two input fields: "Email" and "Password". The "Email" field contains the placeholder "Enter email address". The "Password" field contains several dots. Below the fields is a checkbox labeled "Remember password". At the bottom left is a link "Forgot Password?", and at the bottom right is a blue "Login" button.

Fig(a)

After Testing

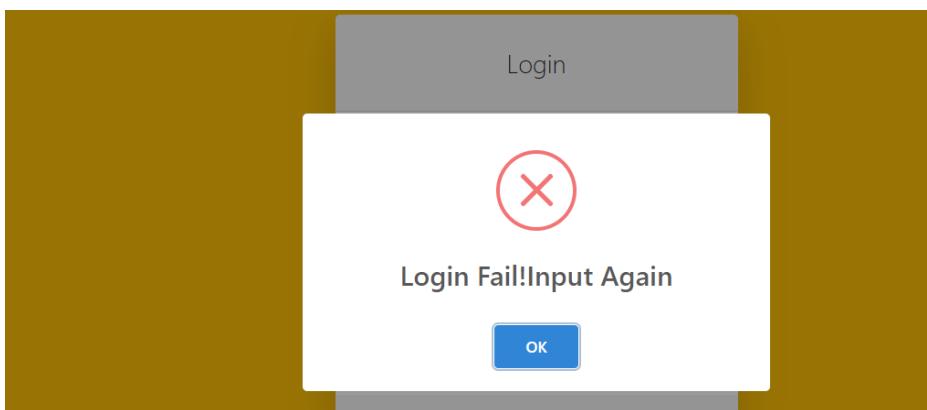
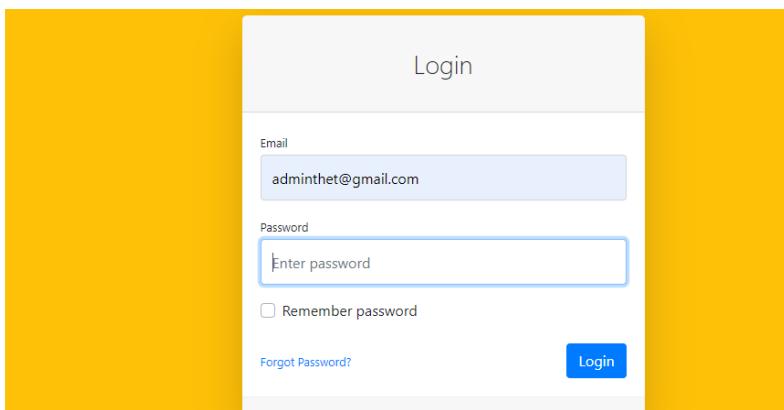


Fig (b)

Test Case	4.4	Tester	Myat Noe
Date	April 22 nd , 2020	Test Objectives	admin password is blank.
Test Procedure	The staff does not insert password and click login.		
Expected Result	-Error message is appeared		
Actual Result	See figure a, b		

Before Testing



After Testing

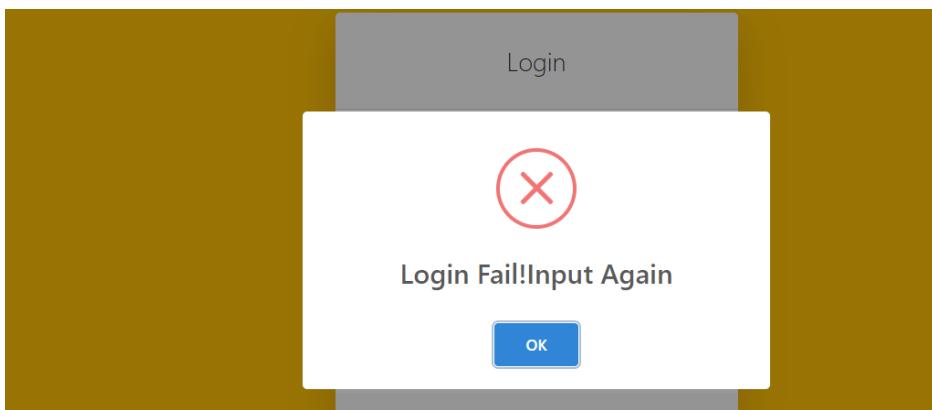


Fig (b)

Test Case	4.5	Tester	Myat Noe
Date	April 22 nd , 2020	Test Objectives	Make admin account log out
Test Procedure		Staff make log out from admin panel.	
Expected Result		The system needs to reach login in form	
Actual Result		See figure a, b	

Before Testing

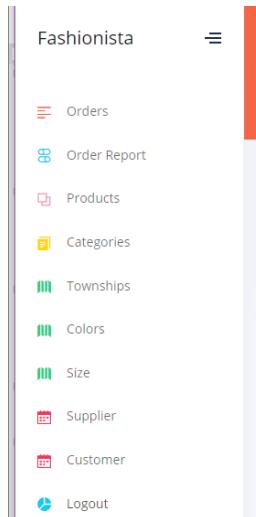


Fig (a)

After Testing

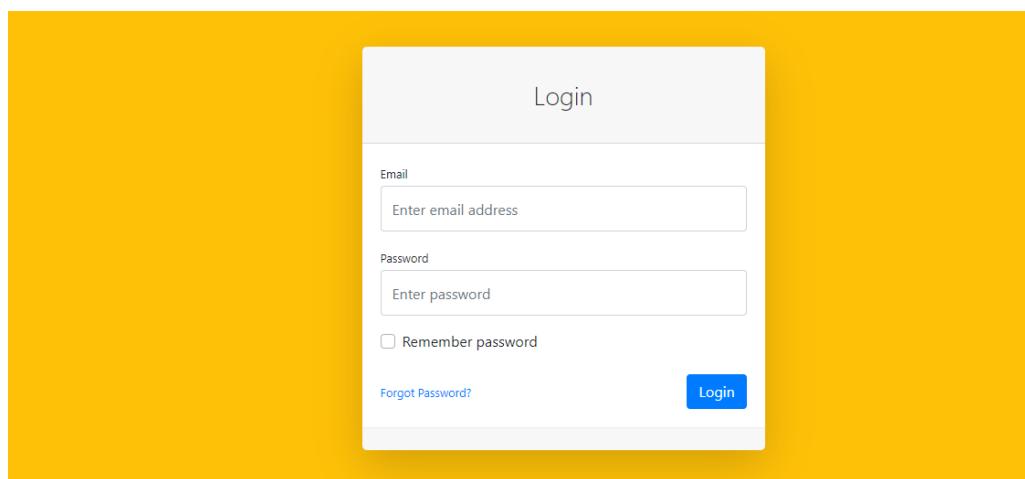


Fig (b)

Test Case	5.1	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check main category can be recorded
Test Procedure		-The staff fills category name and choose photo. -Then click “Save” button	
Expected Result		The main category added will appear.	
Actual Result		See figure a, b	

Before Testing

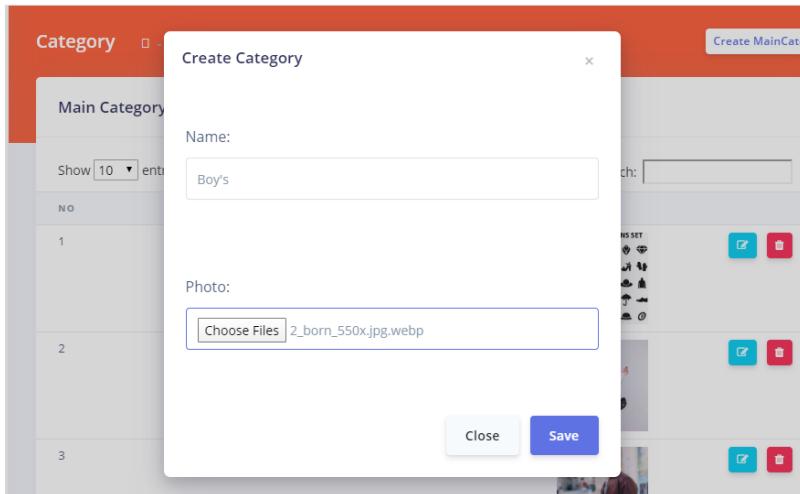


Fig (a)

After Testing

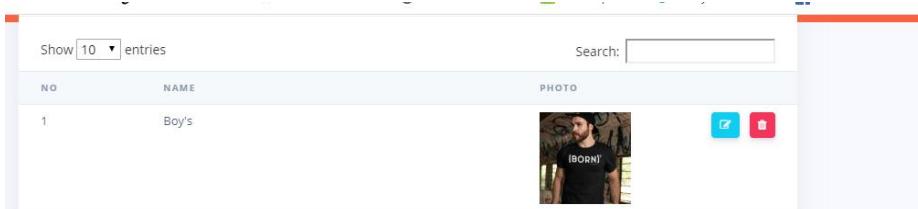


Fig (b)

Test Case	5.2	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check main category name can be blank.
Test Procedure	The staff does not insert category name and click Save.		
Expected Result	- “Please Fill Out this Field” message need to be displayed		
Actual Result	See figure a, b		

Before Testing

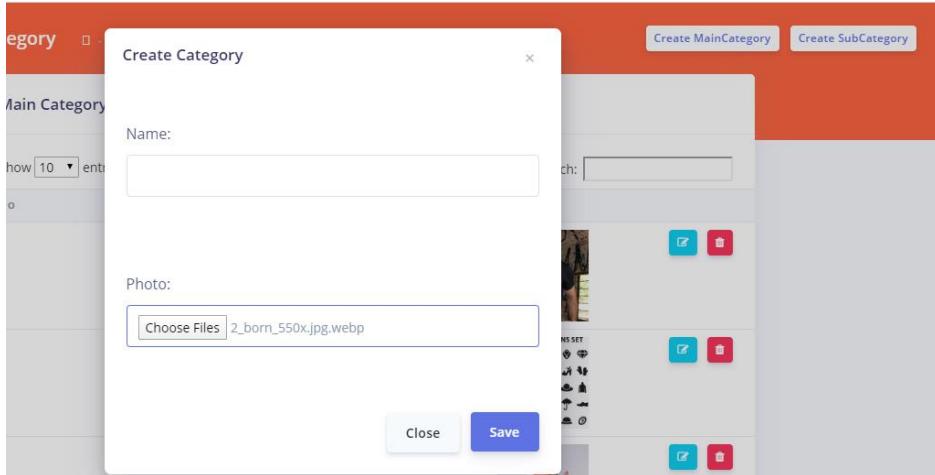


Fig (a)

After Testing

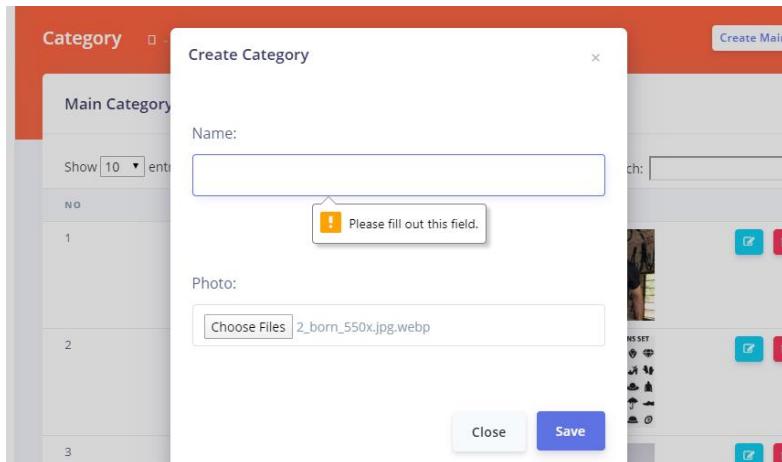


Fig (b)

Test Case	5.3	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check Photo section can be blank.
Test Procedure	The staff do not choose photo and click save.		
Expected Result	The alert of "Please Fill Out this Field" to be displayed		
Actual Result	See figure a, b		

Before Testing

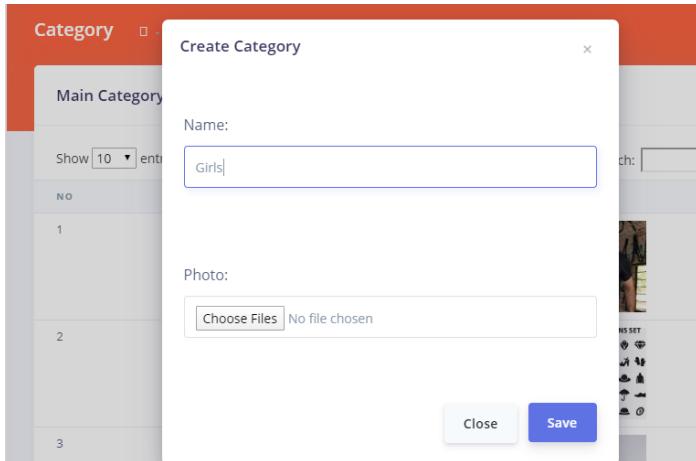


Fig (a)

After Testing

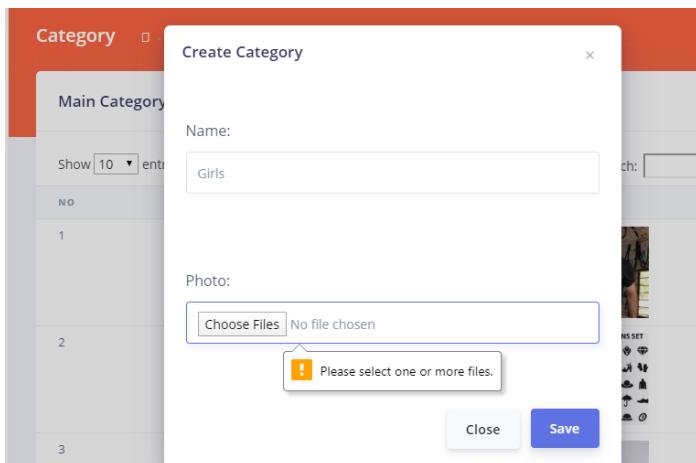


Fig (b)

Test Case	5.4	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check category name can be updated
Test Procedure		-The staff click update icon and update name. -Then click “Update”	
Expected Result		-The alert of successful update is appeared.	
Actual Result		See figure a, b	

Before Testing

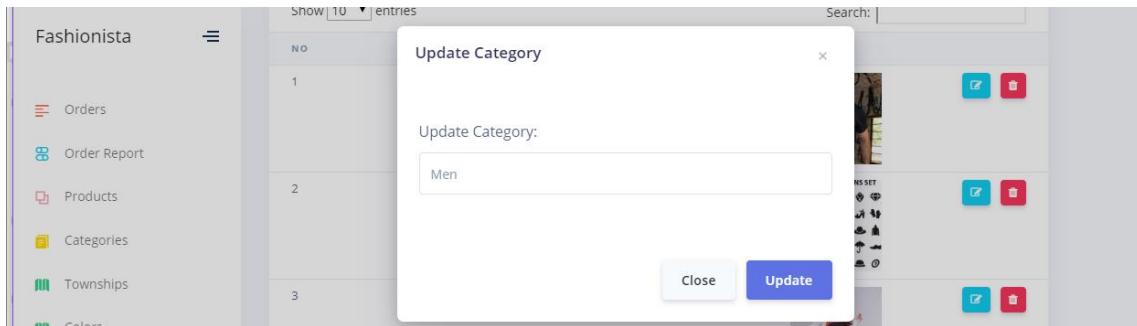


Fig (a)

After Testing

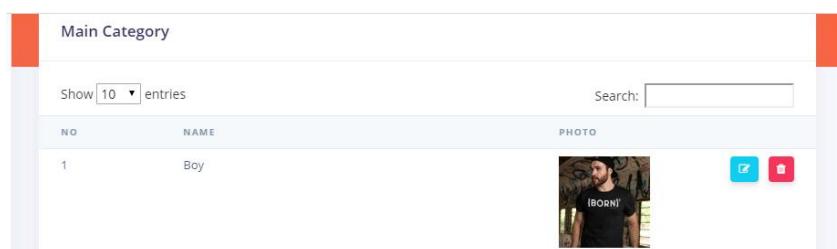


Fig (b)

Test Case	5.5	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check main category can be deleted.
Test Procedure	The staff delete main category by clicking “Delete”		
Expected Result	<ul style="list-style-type: none"> -The alert of delete message shown. -The subcategories of that deleted main categories is also deleted 		
Actual Result	See figure a, b, c,d,e		

Before Testing

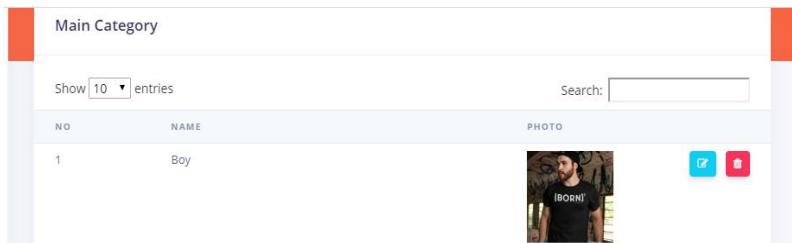


Fig (a)



Fig (b)

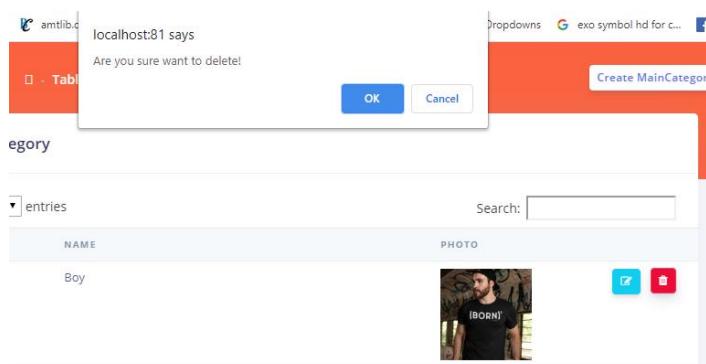


Fig (c)

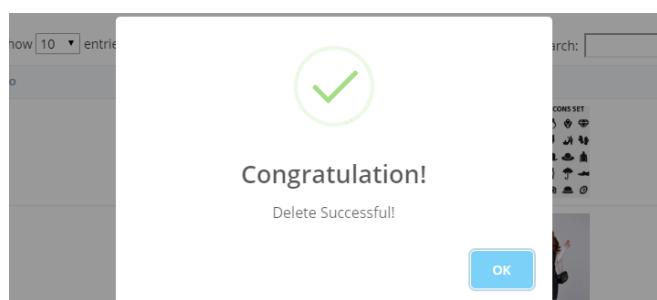


Fig (d)

Show 10 entries		Search:
NO	NAME	PHOTO
1	Pants	 A small thumbnail image showing a person from the waist down, wearing dark jeans and white sneakers. To the right of the thumbnail is a small red square icon with a white camera symbol.

Fig (e)

Test Case	5.6	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check sub category can be registered
Test Procedure		<ul style="list-style-type: none"> -The staff fills sub category name. -Choose main category and choose photo. -Then click “Save” button 	
Expected Result		The added sub category will appear.	
Actual Result		See figure a, b	

Before Testing

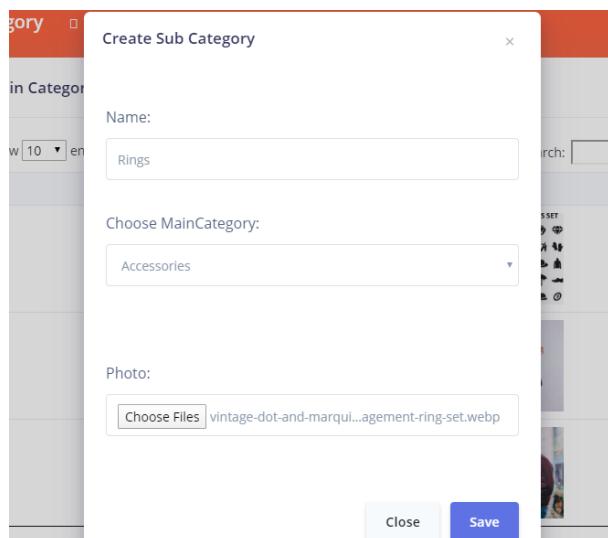


Fig (a)

After Testing

Sub Category		
Show 10 entries	Search:	
NO	NAME	PHOTO
1	Rings	

Fig (b)

Test Case	5.7	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check name can be blank.
Test Procedure		The staff does not fill name and click “Save”	
Expected Result		-The alert of “Please Fill Out this Field” to be displayed	
Actual Result		See figure a, b	

Before Testing

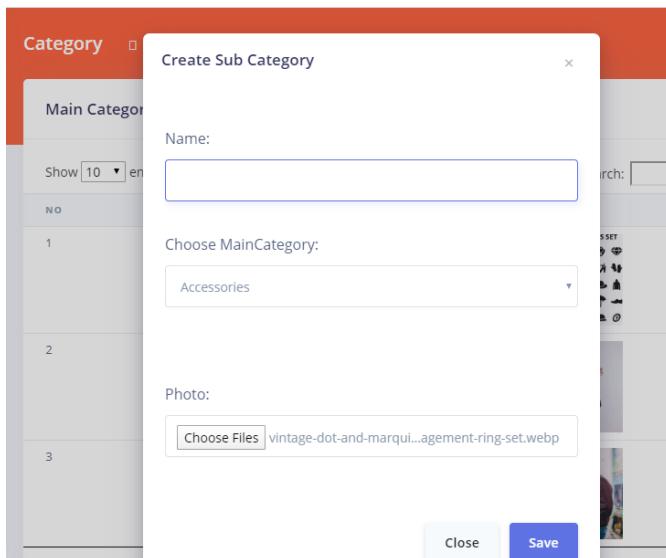


Fig (a)

After Testing

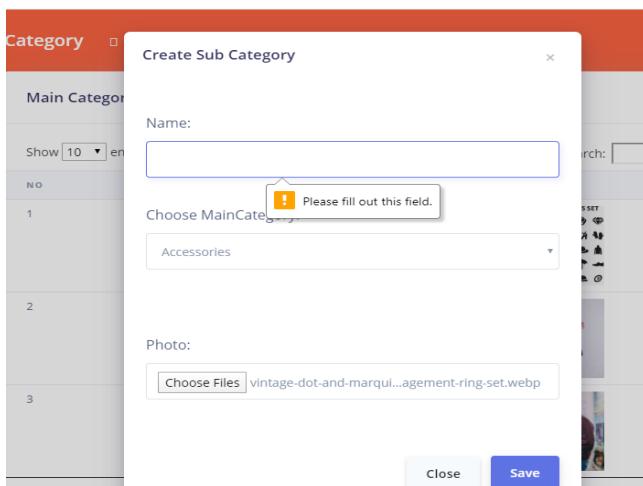


Fig (b)

Test Case	5.9	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check Photo section can be blank.
Test Procedure		-The staff do not choose photo and click save.	
Expected Result		-The alert of “Please Fill Out this Field” to be displayed	
Actual Result		See figure a, b	

Before Testing

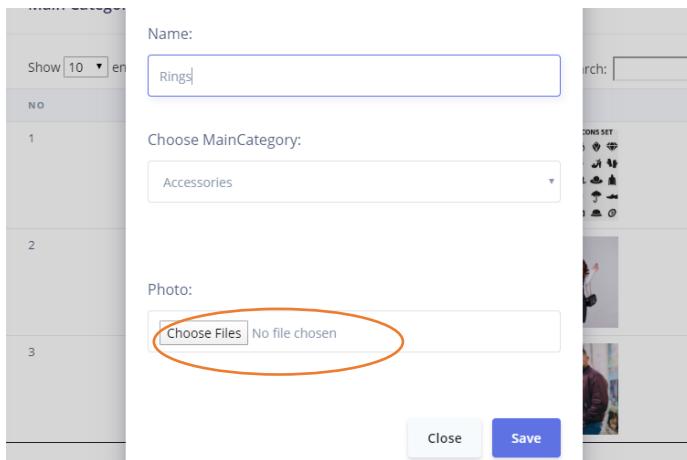


Fig (a)

After Testing

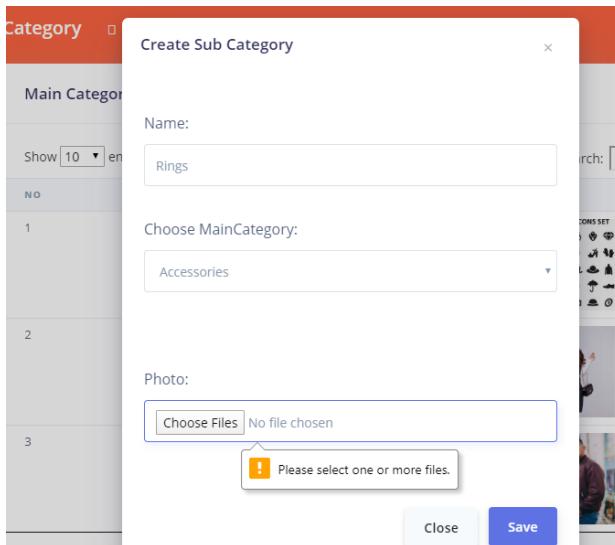


Fig (b)

Test Case	5.10	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check sub category can be deleted.
Test Procedure		-The staff delete sub category and then click “Delete”.	
Expected Result		-The alert of delete message shown.	
Actual Result		See figure a, b	

Before Testing

The screenshot shows a web browser window. At the top, there is a navigation bar with links for 'dropdowns', 'exo symbol hd for c...', and 'Facebook'. Below the navigation bar, a modal dialog box is displayed with the text 'localhost:81 says' and 'Are you sure want to delete?'. There are 'OK' and 'Cancel' buttons at the bottom of the dialog. In the background, a table titled 'Sub Category' is visible. The table has columns for 'NO', 'NAME', and 'PHOTO'. One row in the table shows '1' and 'Rings' with a small thumbnail image of a diamond ring. A red delete icon is located next to the 'Rings' entry.

Fig (a)

After Testing

The screenshot shows the same web application interface after the deletion process. The left sidebar menu is identical to Fig (a). The main content area now displays a modal dialog box with a green circular icon containing a diagonal slash. The text 'Congratulation!' is displayed below the icon, followed by 'Delete Successful!'. A blue 'OK' button is at the bottom right of the dialog.

Fig (b)

Test Case	5.11	Tester	Myat Noe
Date	April 24 th , 2020	Test Objectives	Check the recorded data are displayed or not
Test Procedure		-The staffs record the data and click save button	
Expected Result		-The data that are added will be displayed in the admin dashboard	
Actual Result	See figure a, b		

Before Testing

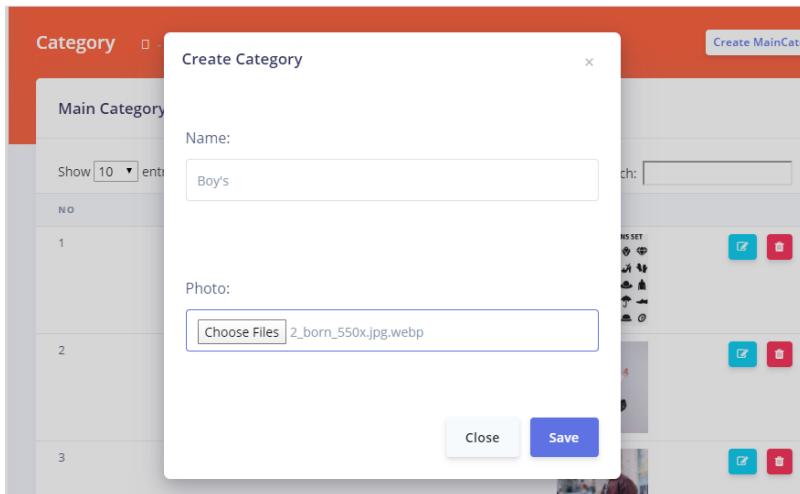


Fig (a)

After Testing

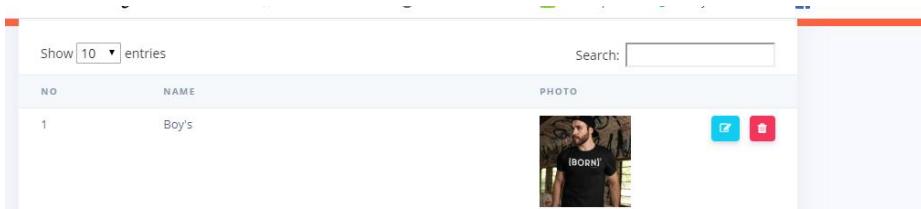


Fig (b)

Test Case	6.1	Tester	Myat Noe
Date	April 25 th , 2020	Test Objectives	Check color can be added.
Test Procedure		-The staff fill the name of color and then click “Save”.	
Expected Result		The color added will be displayed.	
Actual Result		See figure a, b	

Before Testing

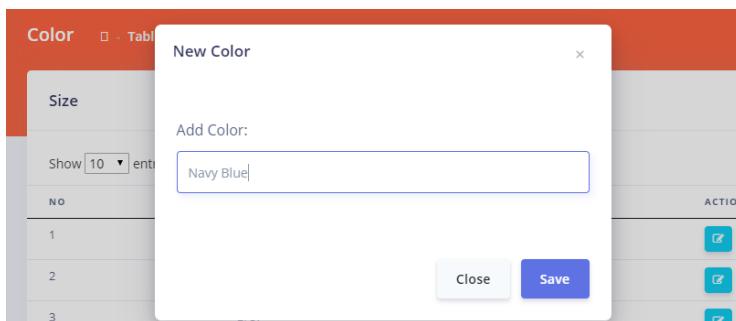


Fig (a)

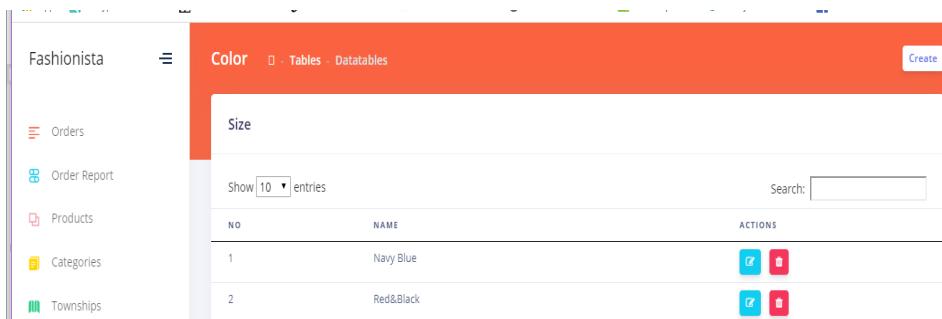


Fig (b)

Test Case	6.2	Tester	Myat Noe
Date	April 25 th , 2020	Test Objectives	Check color name can be edited
Test Procedure		-The staff click update icon and update the color name. -Then click save button	
Expected Result		The updated color is appeared.	
Actual Result		See figure a, b	

Before Testing

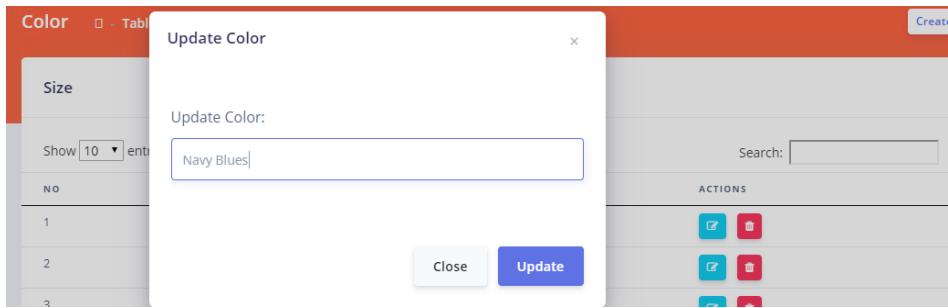


Fig (a)

After Testing



Fig (b)

Test Case	6.3	Tester	Myat Noe
Date	April 25 th , 2020	Test Objectives	Check color can be deleted
Test Procedure	The staff click delete icon		
Expected Result	-The alert of delete message shown.		
Actual Result	See figure a, b		

Before Testing

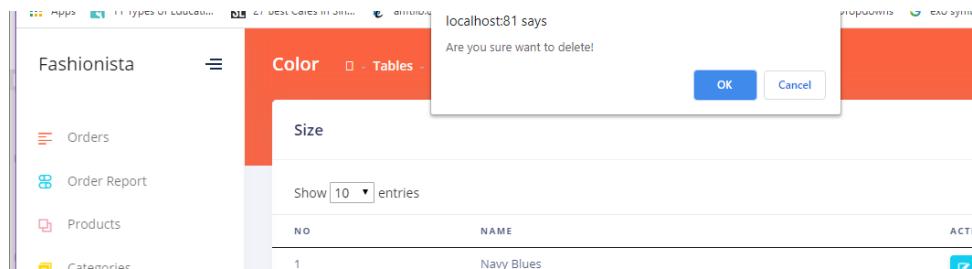


Fig (a)

After Testing

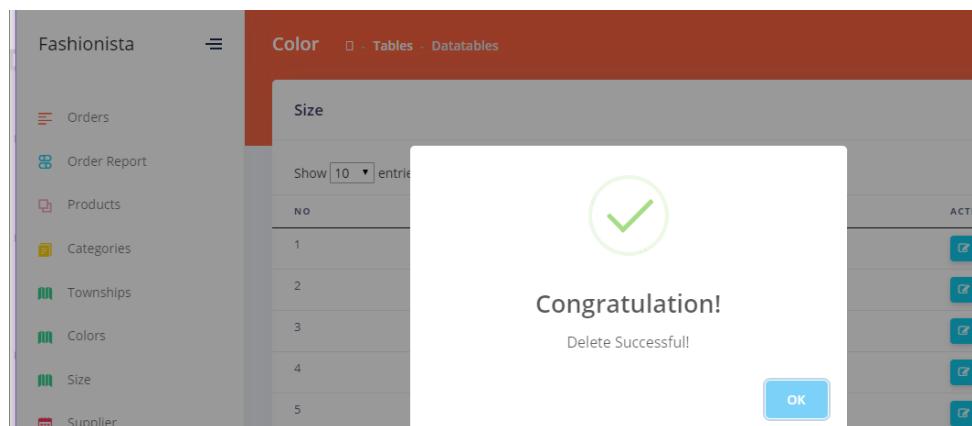


Fig (b)

Test Case	6.4	Tester	Myat Noe
Date	April 25 th , 2020	Test Objectives	Check size can be added
Test Procedure		-The staff fill the name of size and then click “Save”.	
Expected Result		-The added size is appeared in the display.	
Actual Result		See figure a, b	

Before Testing

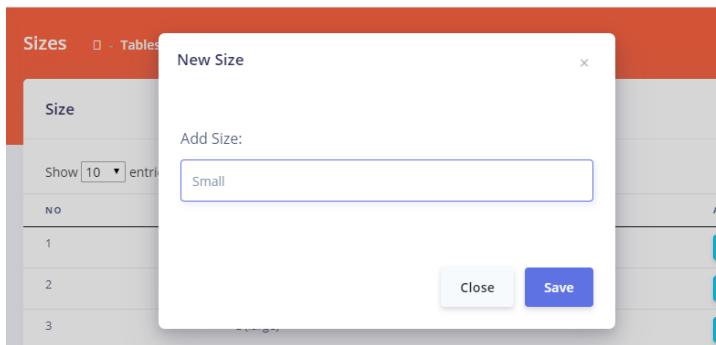


Fig (a)

After Testing

NO	NAME	ACTIONS
1	Small	

Fig (b)

Test Case	6.5	Tester	Myat Noe
Date	April 25 th , 2020	Test Objectives	Check size name can be edited
Test Procedure		-The staff update icon and update the size name. -Then click save button	
Expected Result		-The updated size is appeared in the display.	
Actual Result		See figure a, b	

Before Testing

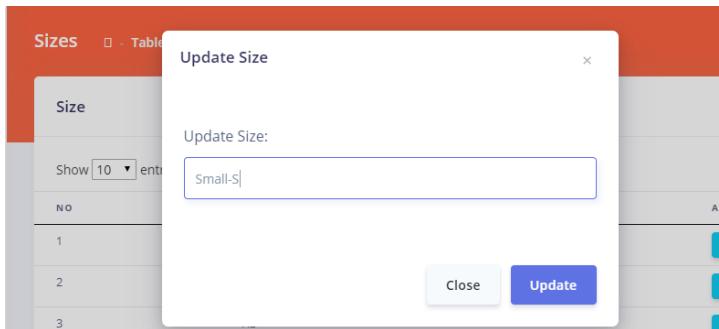


Fig (a)

After Testing

NO	NAME	ACTIONS
1	Small-S	

Fig (b)

Test Case	6.6	Tester	Myat Noe
Date	April 25 th , 2020	Test Objectives	Check size can be deleted
Test Procedure	-The staff click delete icon		
Expected Result	-The alert of delete message shown.		
Actual Result	See figure a, b		

Before Testing

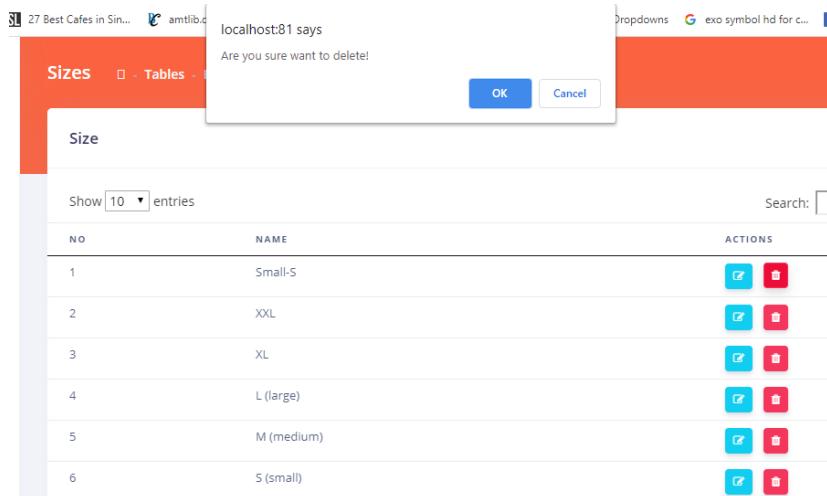


Fig (a)

After Testing

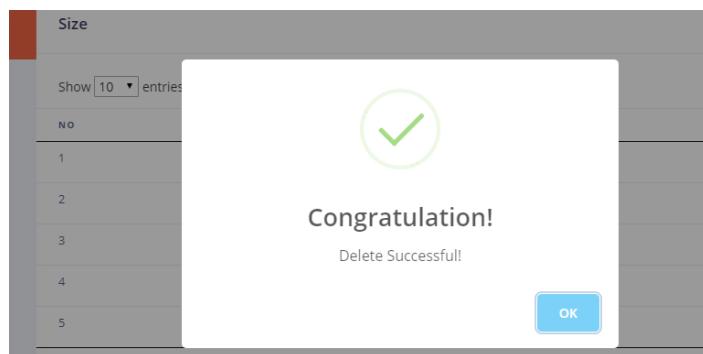


Fig (b)

Test Case	7.1	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check township can be added
Test Procedure	-The staff fill the name of township and then click “Save”.		
Expected Result	The added township is appeared in the display.		
Actual Result	See figure a, b		

Before Testing

NO	NAME	ACTIONS
1	Myay Ni Gone	

Fig (a)

After Testing

NO	NAME	ACTIONS
1	Myay Ni Gone	

Fig (b)

Test Case	7.2	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check township name can be edited
Test Procedure		-The staff click update icon and update the township name. -Then click save button	
Expected Result		The edited township is appeared in the display.	
Actual Result		See figure a, b	

Before Testing

Fig (a)

After Testing

Fig (b)

Test Case	7.3	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check township can be deleted
Test Procedure	-The staff click delete icon		
Expected Result	-The alert of delete message shown.		
Actual Result	See figure a, b		

Before Testing

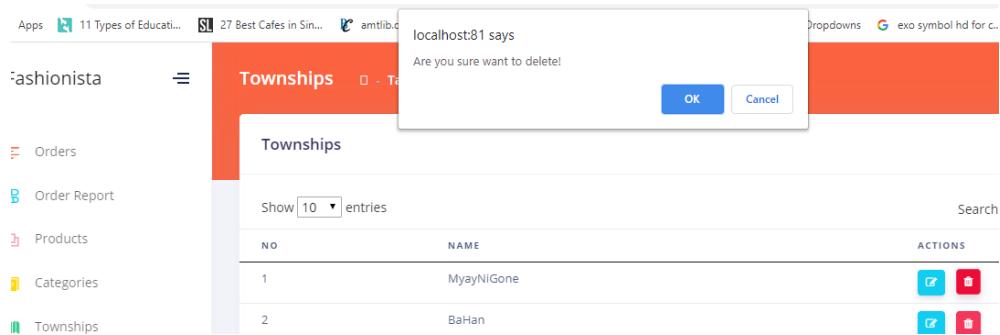


Fig (a)

After Testing

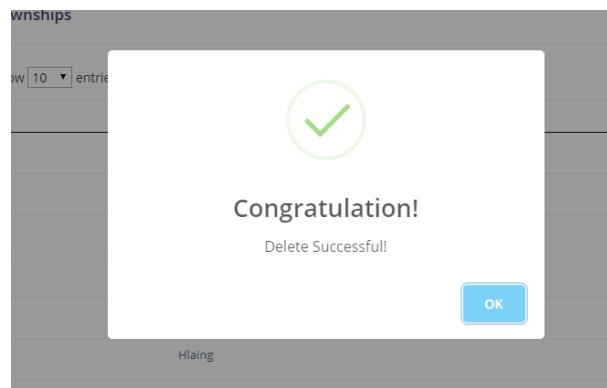


Fig (b).

Test Case	7.4	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check supplier can be added
Test Procedure	-The staff fill the name, phone, email address, of supplier		
Expected Result	-The added supplier will be appeared.		
Actual Result	See figure a, b		

Before Testing

Name: ChaLan

Email: chalan@gmail.com

Phone: 876898

Address: Singapore

Buttons: Close, Save

Fig (a)

After Testing

NO	NAME	EMAIL	PHONE	ADDRESS	ACTIONS
1	ChaLan	chalan@gmail.com	876898	Singapore	
2	Thai Latkon	thai@gmail.com	12389329329	Thailand	

Fig (b)

Test Case	7.5	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check supplier can be deleted
Test Procedure	The staff click delete icon		
Expected Result	-The alert of delete message shown.		
Actual Result	See figure a, b		

Before Testing

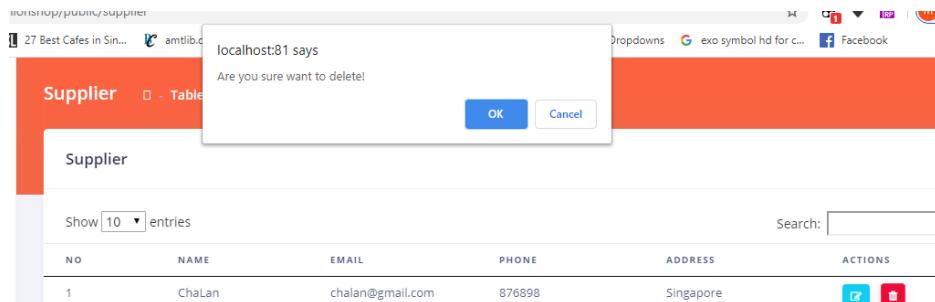


Fig (a)

After Testing

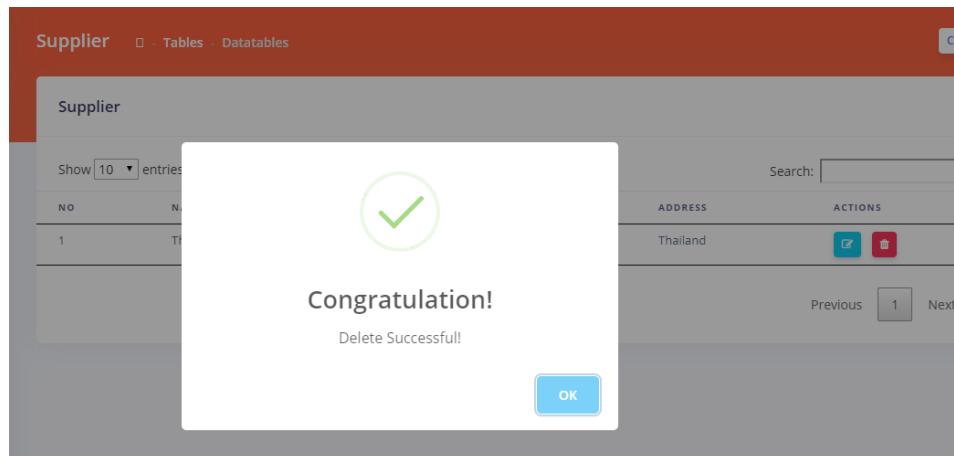


Fig (b)

Test Case	8.1	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check products can be recorded
Test Procedure	<p>-The staff fills product name and add price, add description, choose category, choose color, size, photo.</p> <p>-Then click “Save” button</p>		
Expected Result	<p>- The message of “Created Successfully” need to be appeared</p>		
Actual Result	See figure a, b		

Before Testing

The top screenshot shows the 'Create Product' dialog. It has fields for Name (BluePant), Price (20000), and Detail (Nice). To the right is a grid of three product photos with 'Detail', 'Edit', and 'Delete' buttons.

The bottom screenshot shows the 'Products' list page. It includes a search bar, a 'Choose Category' dropdown set to 'Pants', a 'Choose Color' section with various options like Red&Black, Orange&Black, Grey, etc., and a 'Choose Size' section with options XXL, XL, L (large), M (medium), S (small). A file input field 'Browse...' with the path '3.jpg' is also visible. Below these are 'Close' and 'Save' buttons.

Fig (a)

After Testing

The screenshot shows the 'Products' list page after the product was saved. It includes a header with icons for Products, Categories, and Townships. The main area displays a table with columns: NO, NAME, PRICE, SUB CATEGORY, PHOTO, and ACTIONS. The first row shows the newly added product: NO 1, NAME BluePant, PRICE 20000, SUB CATEGORY Pants, and a thumbnail photo of a person wearing blue pants. The ACTIONS column contains 'Detail', 'Edit', and 'Delete' buttons.

Fig (b)

Test Case	8.2	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check name can be null
Test Procedure	The staff does not insert name and click Save		
Expected Result	“Please Fill Out this Field” message need to be displayed		
Actual Result	See figure a, b		

Before Testing

The screenshot shows a 'Create Product' dialog box overlaid on a 'Products' list. The dialog has fields for 'Name:' (empty), 'Price:' (20000), and 'Detail:' (containing 'Nice'). The main products list shows four items with numbers 1, 2, 3, and 4.

Fig (a)

After Testing

The screenshot shows the same 'Create Product' dialog box after testing. The 'Name:' field now has a blue border and contains the validation message 'Please fill out this field.'. The other fields ('Price:' and 'Detail:') remain the same as in Fig (a).

Fig (b)

Test Case	8.4	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check description can be null
Test Procedure	The staff does not insert description and click Save		
Expected Result	“Please Fill Out this Field” message need to be displayed		
Actual Result	See figure a, b		

Before Testing

Products

Name: Born Tee

Price: 20000

Detail:

Choose Category:

Fig (a)

After testing

Products

Name: Born Tee

Price: 20000

Detail: Please fill out this field.

Choose Category: Pants

Choose Color:

- Red&Black
- Orange&Black
- Grey
- Black & White
- Yellow & Grey
- White
- Black
- Yellow
- blue
- green
- Red

Choose Size:

- XXL
- XL
- L (large)
- M (medium)
- S (small)

PHOTO

Fig (b)

Test Case	8.5	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check product can be updated
Test Procedure	-The staff click update icon and update product -Then click "Update"		
Expected Result	-The alert of successful update is appeared.		
Actual Result	See figure a, b		

Before Testing

The screenshot shows a product update form. It includes fields for Name (BluePant Jeans), Price (20000), Detail (Nice), and Choose Category (Pants). Each of these four fields has an orange arrow pointing to a callout box containing the text "These all can update".

Fig (a)

After Testing

The screenshot shows a products list table titled "Products". It displays one entry: a product named "BluePant Jeans" with a price of "20000" and a sub-category of "Pants". In the "Actions" column for this entry, there are three status icons: a blue "Detail" button, a cyan "Edit" button, and a red "Delete" button.

Fig (b)

Test Case	8.6	Tester	Myat Noe
Date	April 26 th , 2020	Test Objectives	Check product can be deleted
Test Procedure	The staff delete product by clicking "Delete"		
Expected Result	- The alert of delete message shown.		
Actual Result	See figure a, b		

Before Testing

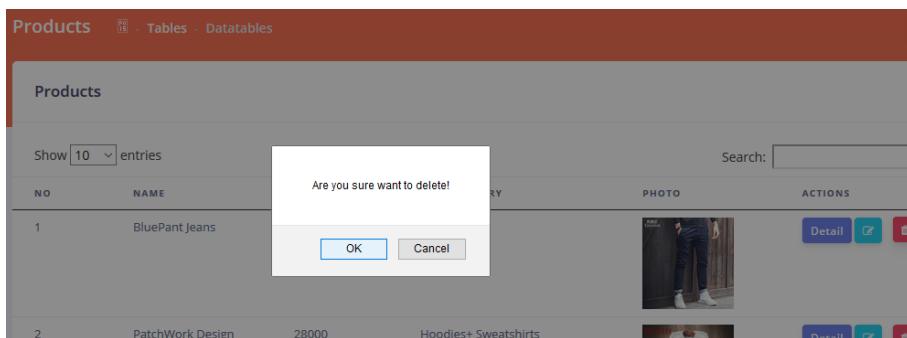


Fig (a)

After testing

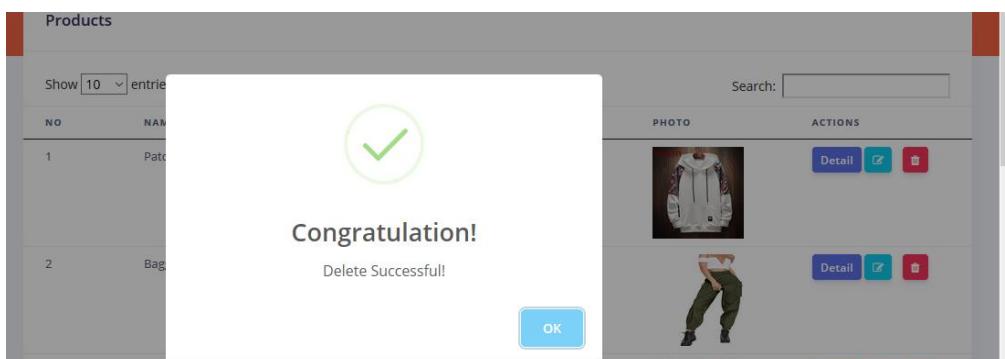


Fig (b)

Test Case	9.1	Tester	Myat Noe
Date	April 27 th , 2020	Test Objectives	Check customer can put the items to cart.
Test Procedure		-The customer chooses products and details and click add to cart	
Expected Result		-The message “successfully add to cart” show and display the items in add to cart	
Actual Result		See figure a, b	

Before Testing

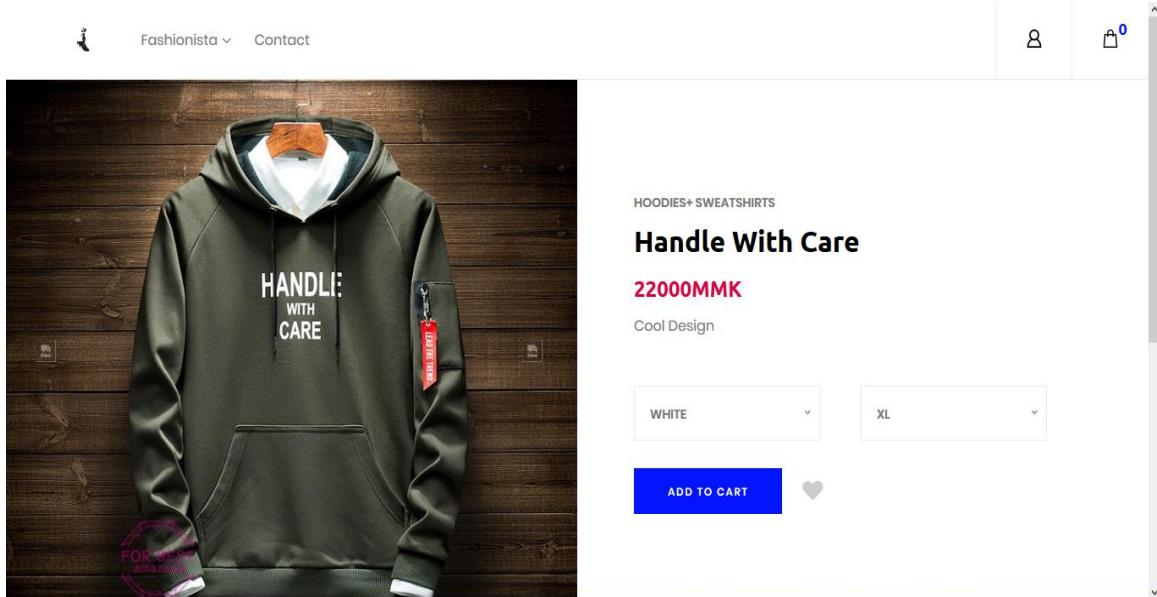


Fig (a)

After testing



Test Case	9.2	Tester	Myat Noe
Date	April 27 th , 2020	Test Objectives	-Check as much as items can be added
Test Procedure	- The customer add not only one items		
Expected Result	-It is accept and reach to cart		
Actual Result	See figure a, b		

Before Testing

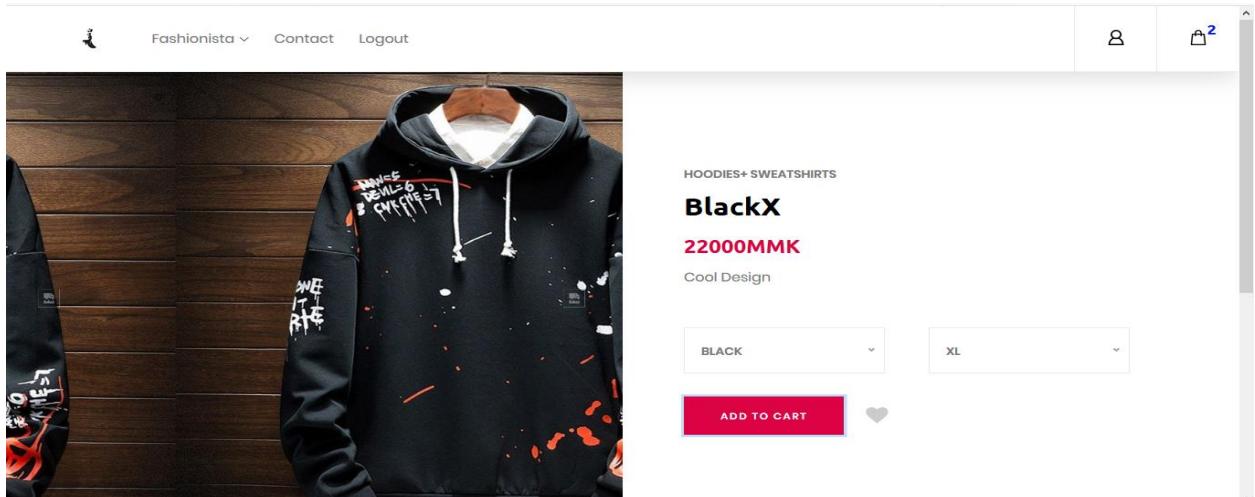


Fig (a)

After testing

The screenshot shows a shopping cart summary page. On the left, there are two product thumbnails: a dark blue hoodie labeled "Handle With Care" and a black hoodie labeled "BlackX". The right side displays the summary table:

SUBTOTAL:	44000 MMK
DELIVERY:	FREE
DISCOUNT:	0%
TOTAL:	44000 MMK

A blue "CHECK OUT" button is located at the bottom.

Fig (b)

Test Case	9.3	Tester	Myat Noe
Date	April 27 th , 2020	Test Objectives	-Check the total amount is right or not?
Test Procedure	- Look at the add to cart and prices are auto calculate		
Expected Result	-The total amount needs to be right result		
Actual Result	See figure a, b		

Before Testing

The screenshot shows a product detail page for a "BlackX" hoodie. The main image is a black hoodie with red and white splatters and text. The product information is as follows:

- Category: HOODIES+ SWEATSHIRTS
- Brand: BlackX
- Price: 22000MMK
- Description: Cool Design
- Color Options: BLACK (selected), XL
- Action Buttons: ADD TO CART, Heart icon

Fig (a)

After Testing

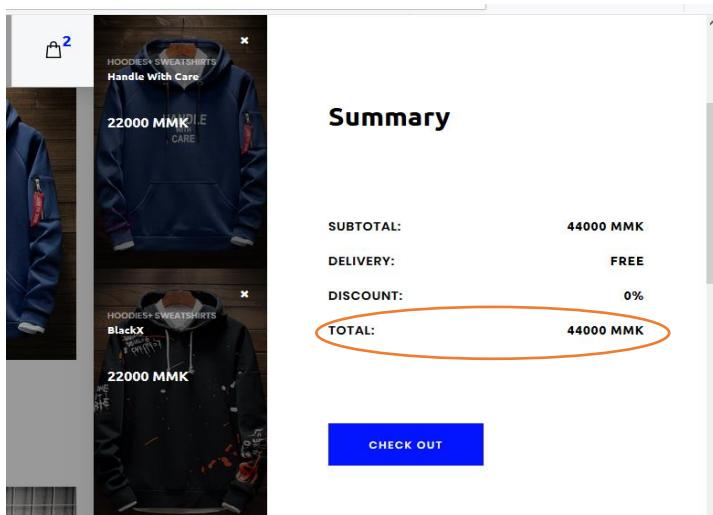


Fig (b)

Test Case	9.4	Tester	Myat Noe
Date	April 27 th , 2020	Test Objectives	-Can order or not?
Test Procedure	-Customer check information and click checkout		
Expected Result	-The message of “Order Success” to be displayed		
Actual Result	See figure a, b		

Before Testing

The screenshot shows the 'Order Details' section of the e-commerce platform. It includes fields for NAME, PHONE, TOWNSHIP, ADDRESS, RECEIVE DATE, RECEIVE TIME, and PAYMENT TYPE. The payment type is set to CASH.

NAME * Kimmy

PHONE * 098887652728

TOWNSHIP * Kyimyinding

ADDRESS * 17 Insein Street

RECEIVE DATE * 05 / 14 / 2020

RECEIVE TIME * 03:00 PM

PAYMENT TYPE * CASH

Fig(a)

After Testing

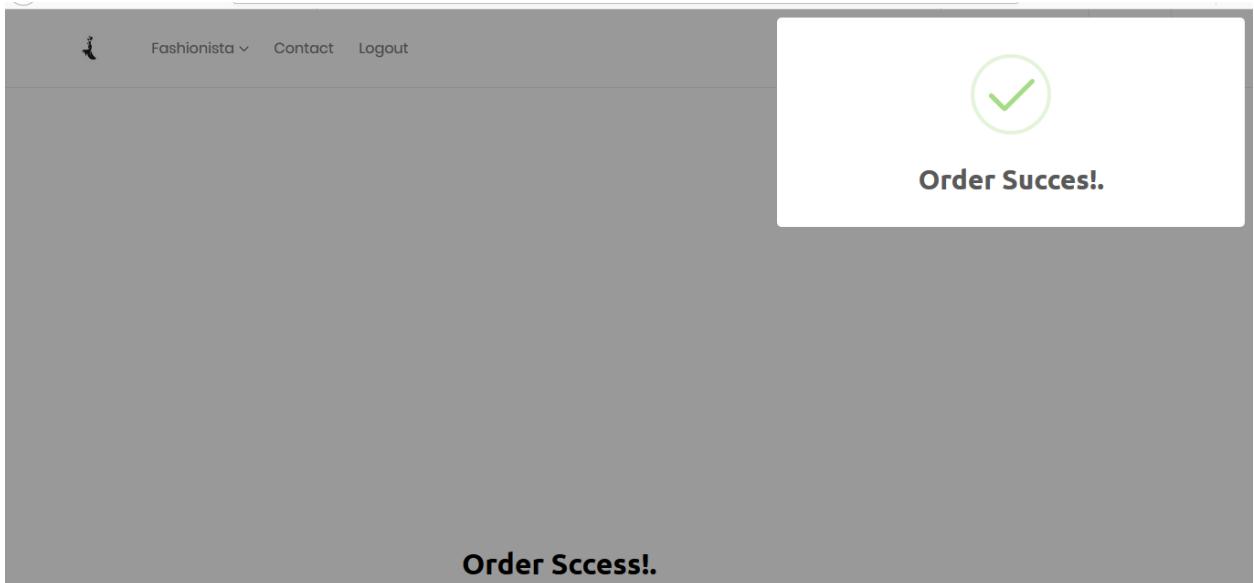


Fig (b)

Test Case	9.5	Tester	Myat Noe
Date	April 27 th , 2020	Test Objectives	Can change information
Test Procedure	When checkout, customer change some information		
Expected Result	There is no error message and accept order		
Actual Result	See figure a, b		

Before Testing

The screenshot shows a web form for customer information. It includes fields for NAME*, PHONE*, TOWNSHIP*, ADDRESS*, and RECEIVE DATE*. The NAME field contains "Kimmy" and the PHONE field contains "098887652728". The TOWNSHIP dropdown is set to "Kyimyinding". The ADDRESS field contains "17 Kyaung Kyee Street" and is highlighted with a large orange oval. The RECEIVE DATE field is empty.

Fig (a)

After Testing

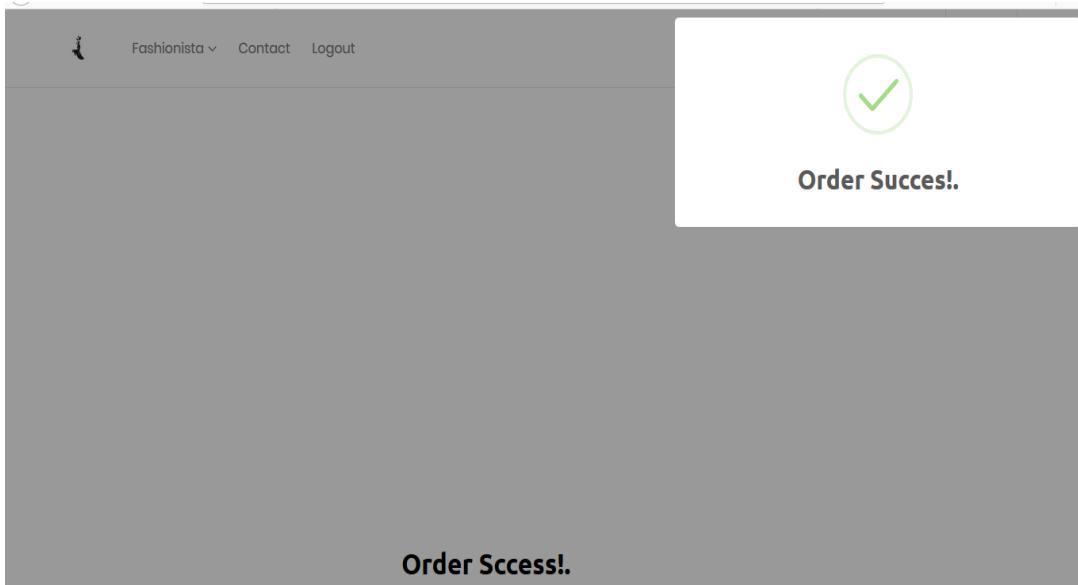


Fig (b)

Test Case	9.6	Tester	Myat Noe
Date	April 27 th , 2020	Test Objectives	Check the day is to be the day after make order or everyday can be accept?
Test Procedure	Customer can only choose the day after ordering		
Expected Result	The calendar will be only for the days after ordering		
Actual Result	See figure a, b		

Before Testing

Billing Address

NAME *	Kimmy	PHONE *	098887652728																																																	
<input type="text" value="May 2020"/> < > <table border="1" style="margin-top: 5px;"> <tr><td>Sun</td><td>Mon</td><td>Tue</td><td>Wed</td><td>Thu</td><td>Fri</td><td>Sat</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> </table>		Sun	Mon	Tue	Wed	Thu	Fri	Sat	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	Can not choose the day which are finished	
Sun	Mon	Tue	Wed	Thu	Fri	Sat																																														
26	27	28	29	30	1	2																																														
3	4	5	6	7	8	9																																														
10	11	12	13	14	15	16																																														
17	18	19	20	21	22	23																																														
24	25	26	27	28	29	30																																														
31	1	2	3	4	5	6																																														
<input type="text" value="mm/dd/yyyy"/>																																																				

Fig (a)

After Testing

The screenshot shows a web application interface. At the top, there's a navigation bar with links for 'Fashionista', 'Contact', and 'Logout'. On the right side of the top bar, there's a shopping cart icon with a small '1' indicating one item. Below the navigation, there's a form with several input fields:

- NAME ***: Kimmy
- PHONE ***: 098887652728
- TOWNSHIP ***: Kyimyinding
- ADDRESS ***: 17 Insein Street
- RECEIVE DATE ***: 05/14/2020

Fig (b)

Test Case	9.7	Tester	Myat Noe
Date	April 27 th , 2020	Test Objectives	Check the time can be available for the set time from 9AM-5PM
Test Procedure		-Customer choose wrong time that has not between the set time	
Expected Result		The error message will be showed	
Actual Result		See figure a, b	

Before Testing



Fashionista ▾ Contact Logout

TOWNSHIP *
Kyimyinding

ADDRESS *
17 Insein Street

RECEIVE DATE *
05/14/2020

RECEIVE TIME *
07:00 PM

PAYMENT TYPE *
 CASH

Order

Fig (a)

After Testing

Fashionista ▾ Contact Logout

TOWNSHIP *
Kyimyinding

ADDRESS *
17 Insein Street

RECEIVE DATE *
05/14/2020

RECEIVE TIME *
07:00 PM

Please select a value that is no later than 17:00.

CASH

Order

Fig (b)

Test Case	10.1	Tester	Myat Noe
Date	April 28 th , 2020	Test Objectives	Staff can look order list or not.
Test Procedure	Staff check the order list on dashboard with order detail		
Expected Result	After customer make order, the order list will appear on admin panel		
Actual Result	See figure a, b		

Before Testing

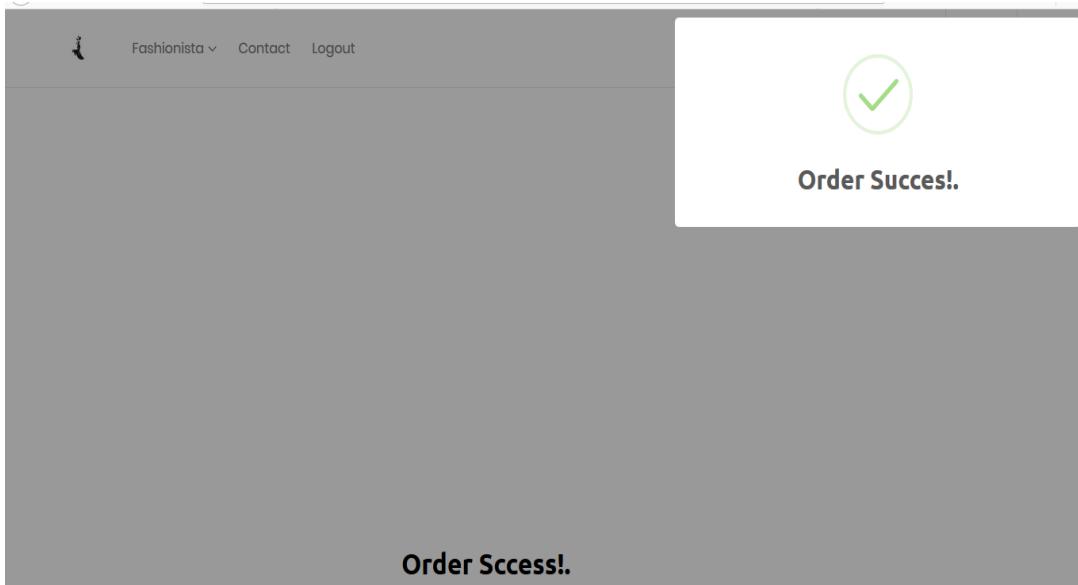


Fig (a)

After Testing

The screenshot shows a table titled 'Order List' with the following columns: NO, CUSTOMER, TOWNSHIP, ORDER ADDRESS, RECEVIE DATE, PRODUCTS, and ACTIONS. There are three rows of data:

NO	CUSTOMER	TOWNSHIP	ORDER ADDRESS	RECEVIE DATE	PRODUCTS	ACTIONS
1	Kimmy	Kyimyinding	17 Kyaung Kyee Street	2020-05-14	2	<button>Detail</button> <button>Accept</button> <button>Delete</button>
2	Kimmy	Kyimyinding	17 Insein Street	2020-05-14	3	<button>Detail</button> <button>Accept</button> <button>Delete</button>
3	Sarah	BaHan	no.17	2020-05-13	2	<button>Detail</button> <button>Accept</button> <button>Delete</button>

At the top right of the table area, there are three radio buttons labeled 'Pending', 'Accept', and 'Complete'. Below the table is a search bar with the placeholder 'Search: []'.

Fig (b)

Test Case	10.2	Tester	Myat Noe
Date	April 28 th , 2020	Test Objectives	Staff can view order report with product detail
Test Procedure	Staff choose the start day to end day when he want to look which order are in pending stage		
Expected Result	The orders which are in pending stage is		

	appeared in dashboard
Actual Result	See figure a, b

Before Testing

Fig (a)

After Testing

NO	NAME	PRICE	QUANTITY	TOTALAMOUNT	ACTIONS
1	LongEarrings	7900	1	7900	Product Detail
2	YoungStyle Dress	25000	1	25000	Product Detail
3	Handle With Care	22000	2	44000	Product Detail
4	BlackK	22000	2	44000	Product Detail
5	PatchWork	22000	1	22000	Product Detail

Fig (b)

Test Case	10.4	Tester	Myat Noe
Date	April 28 th , 2020	Test Objectives	Staff can view of customer information
Test Procedure		Staff can view account for to make contact	
Expected Result		The orders which are in pending stage is appeared in dashboard	
Actual Result		See figure a, b	

Users

Show 10 entries Search:

NO	EMAIL	NAME	PHONE	ADDRESS	TOWNSHIP	ACTIONS
1	kim@gmail.com	Kimmy	098887652728	17 Insein Street	Kyimyinding	 
2	mm1@gmail.com	Sarah	876898	no.17	BaHan	 

Previous 1 Next

Appendix (E)

2. Product Page

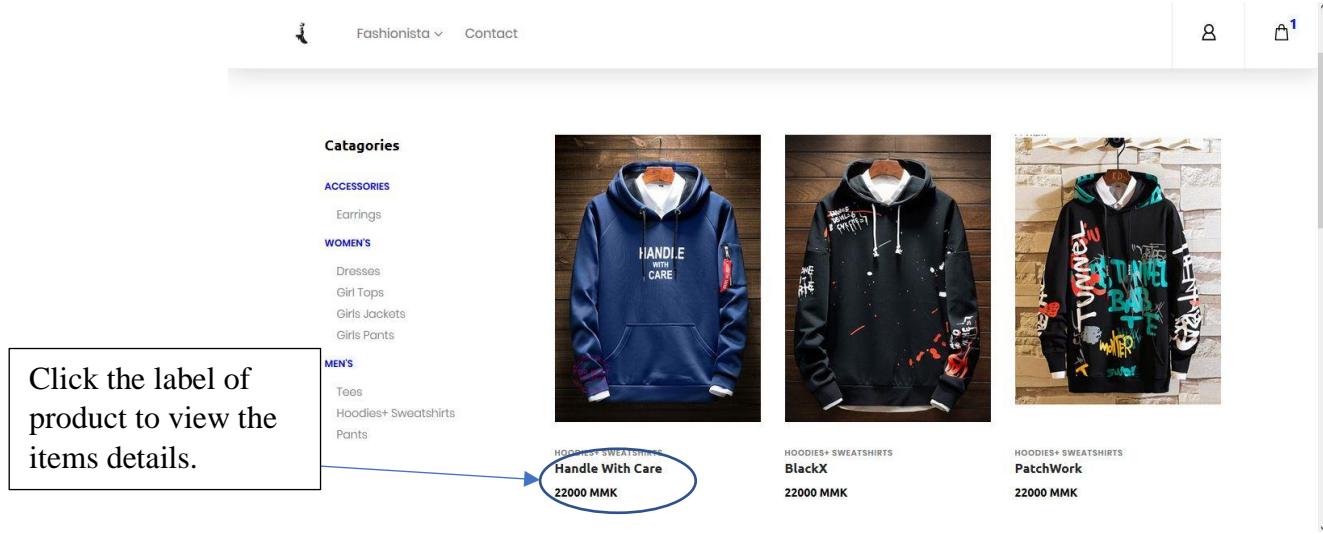


Figure (4).

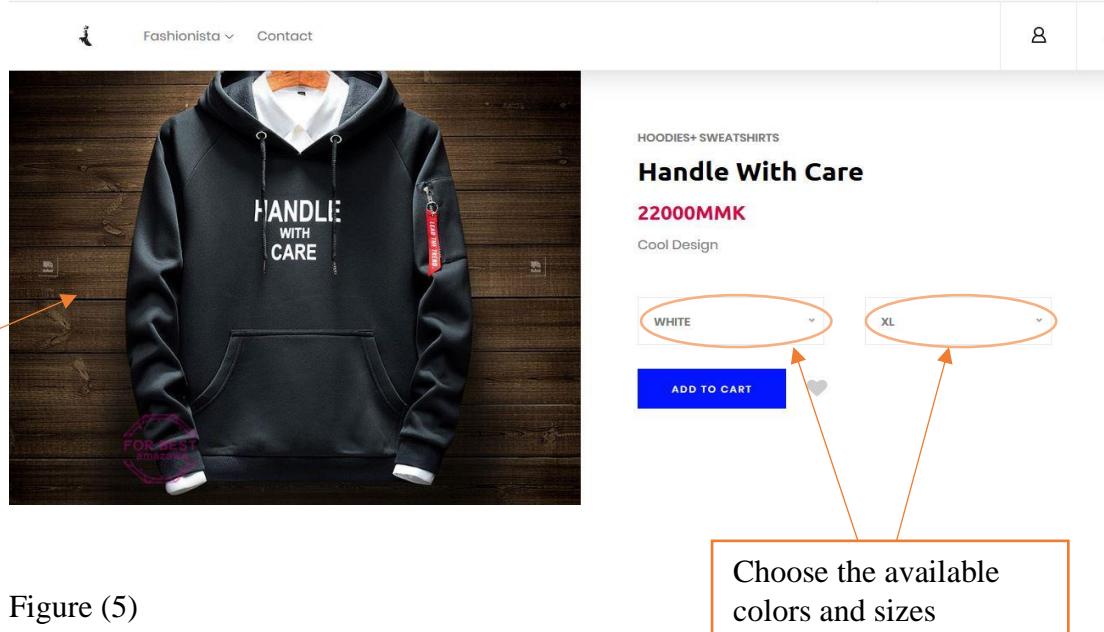


Figure (5)

3. How to add to cart the products

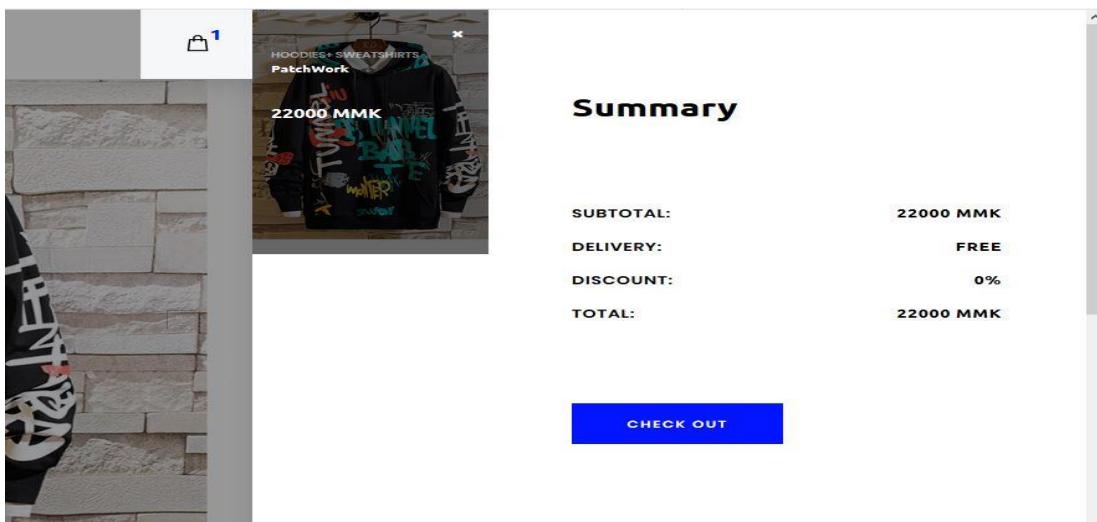
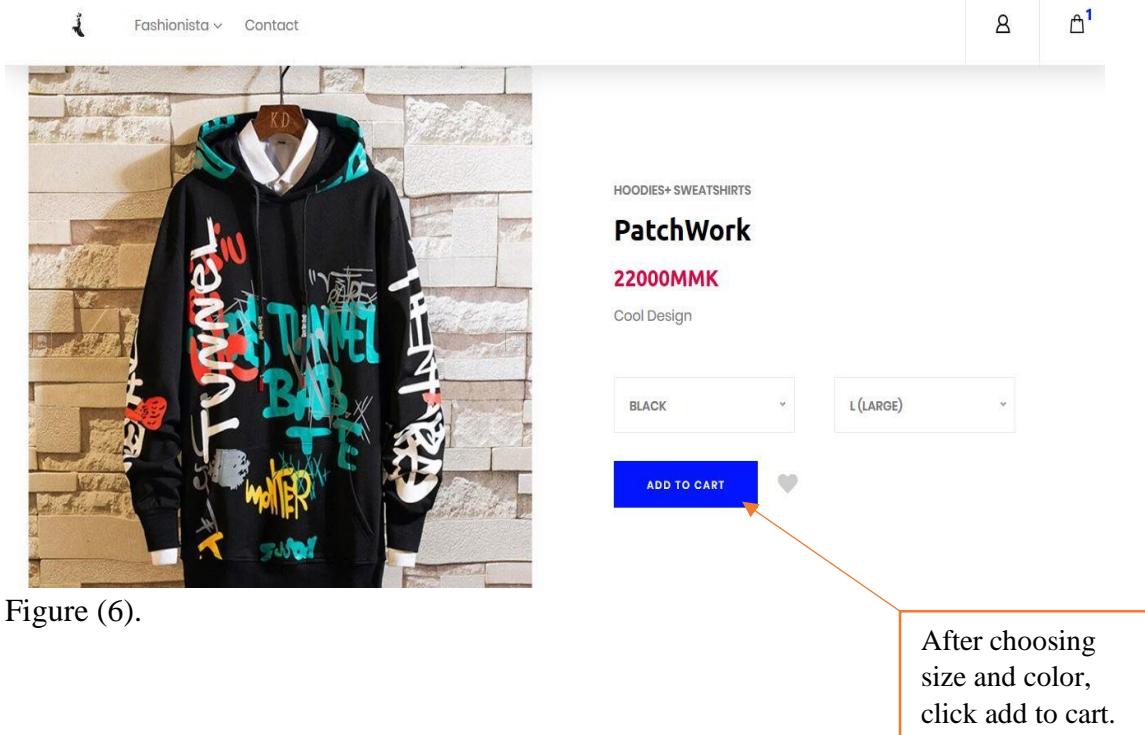
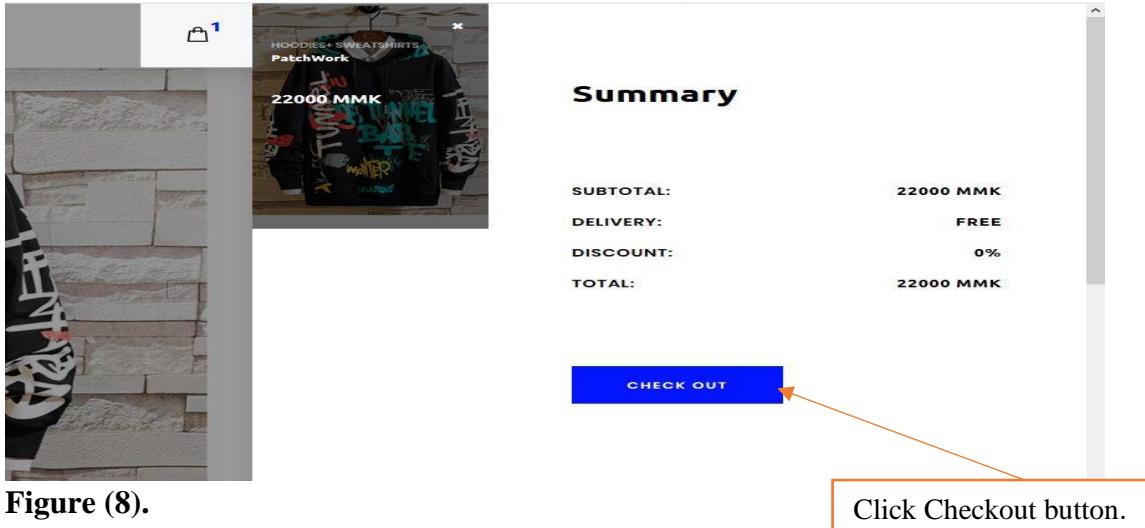


Figure (6). Product will reach to add to cart page.

4. Checkout function display



5. Login Design and Register

If the customer is first time log in to the system, they need to login or register account first before checkout.

If the user has account fill these forms correctly.

If no account, click sign up.

After filling, click log in

Figure (9).

6. Checkout page



Fashionista ▾ Contact Logout

CHECKOUT

Billing Address

NAME * Thet Myat Noe

TOWNSHIP * Kyimyinding

ADDRESS * N0.21 Kyaung Kyee

PHONE * 0912345567

Check the information and you can also change these.

Figure (10).

N0.21 Kyaung Kyee

RECEIVE DATE * 05 / 12 / 2020

RECEIVE TIME * 03 : 00 PM

PAYMENT TYPE *

CASH

Order

Choose the receive data which day must be later than order day and choose receive time from 9AM to 5PM

Choose payment

Click Order button.

Figure (11).

7. After Order, the customer can logout from the system.



Fashionista ▾ Contact

Logout

Click log out to log out from system

Figure (12).

User Manual Guide for the Staffs

- For the staffs, before using the system there need to have internet connection as this online webpage. The staffs website page directory location is <http://localhost:81/fashionshop/public/login>
- The staff account is only one account to share every staffs and the account mail and password is email- admininthe@ gmail.com
Password- adminhyper

1. Login Page for staff

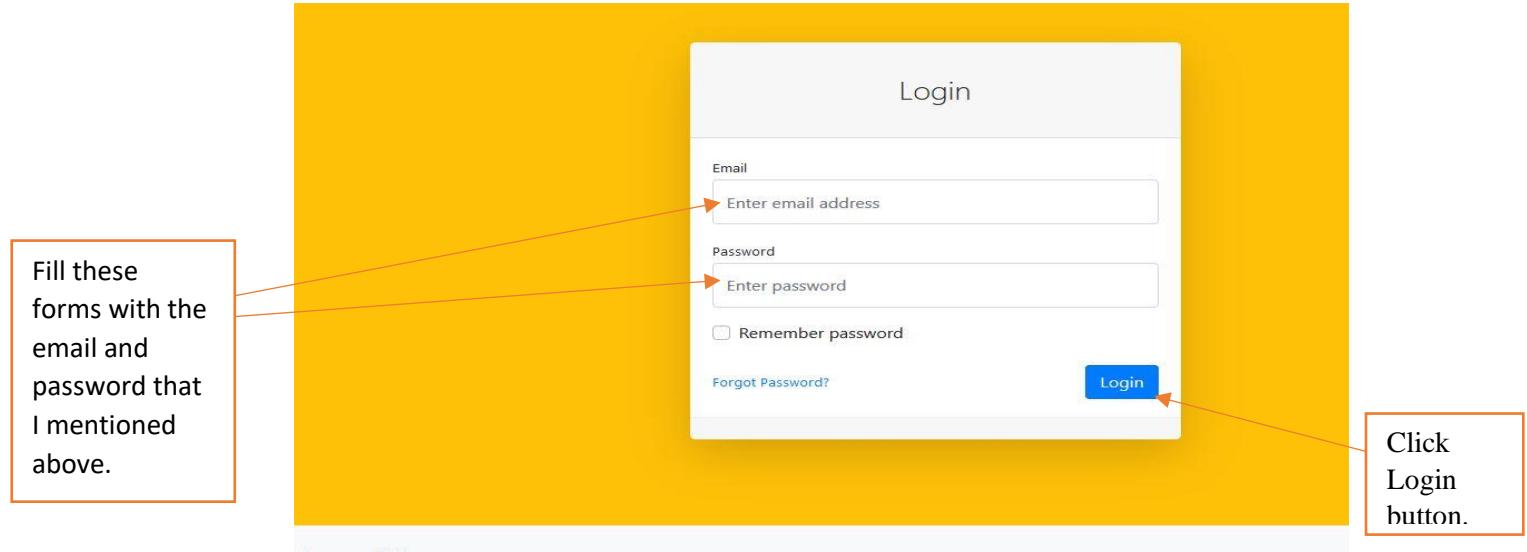


Figure (13).

2. Admin Panel Page The categories added page.

NO	NAME	PHOTO
1	Accessories	(Icon Placeholder)

Create MainCategory Create SubCategory

ACCESSORIES ICONS SET

Figure (14).

3. The main categories and sub categories creating page.

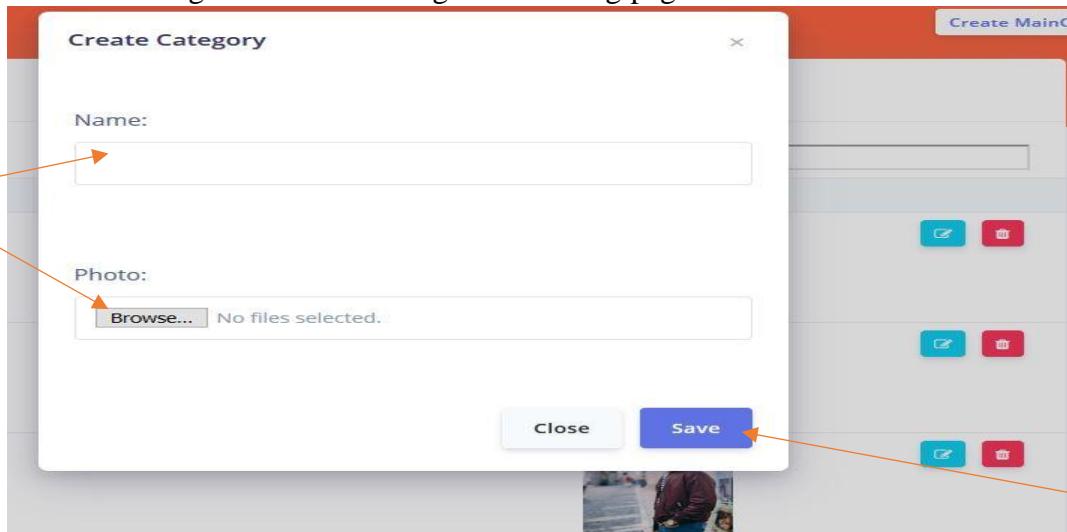


Figure (15).

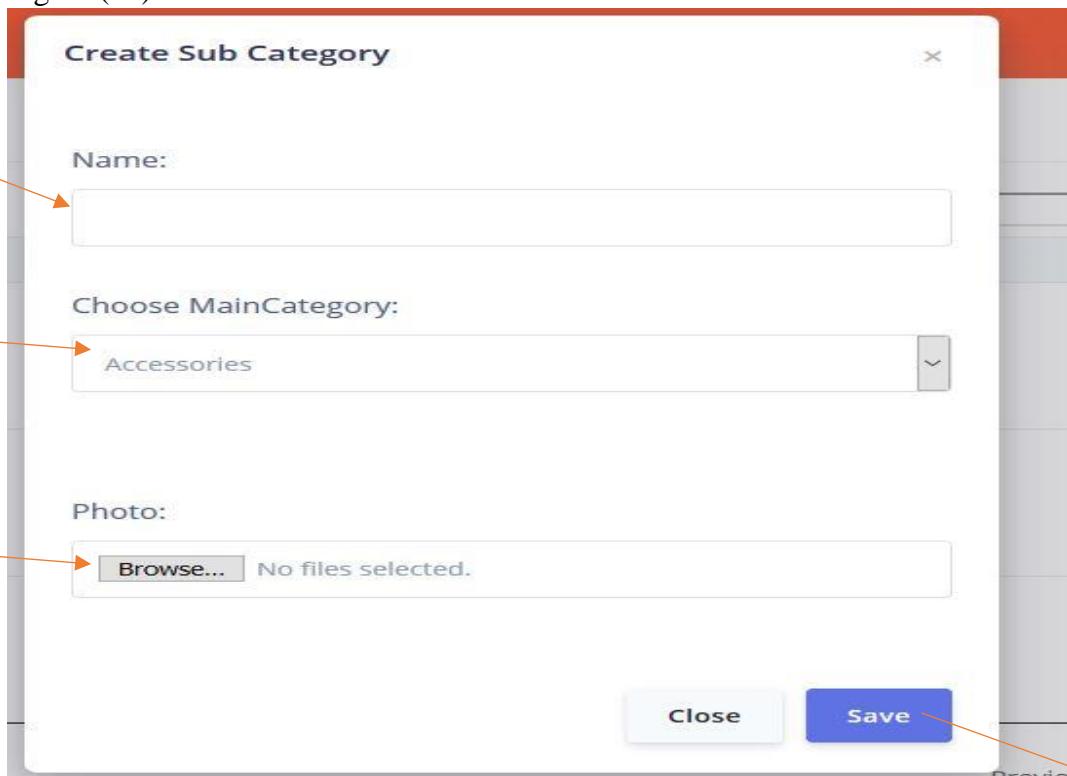


Figure (16).

4. Register Color and Sizes pages

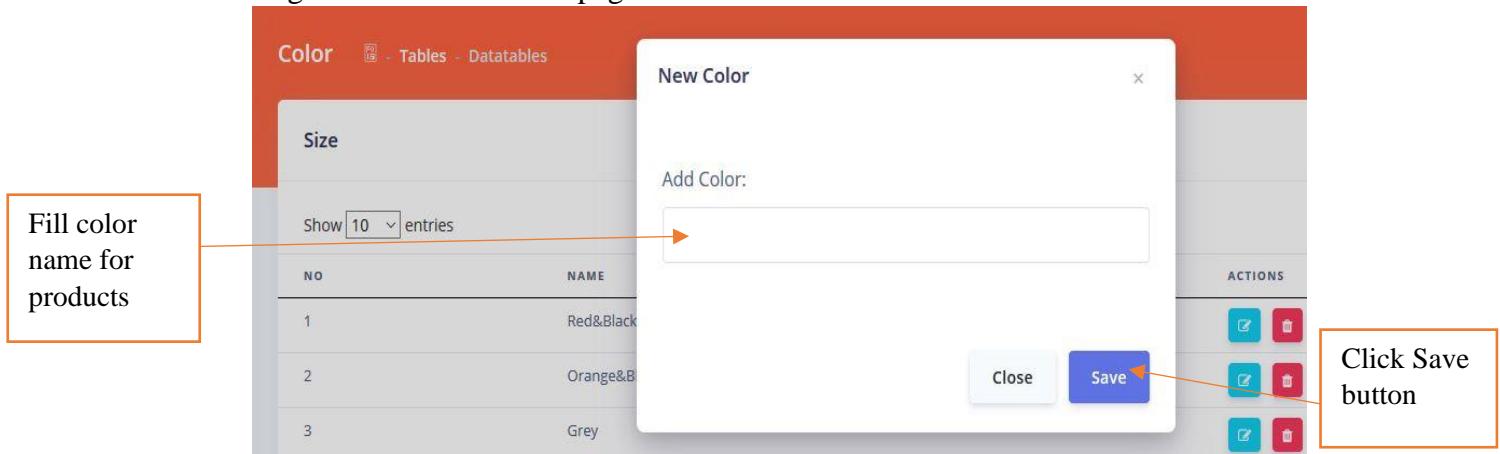


Figure (17).

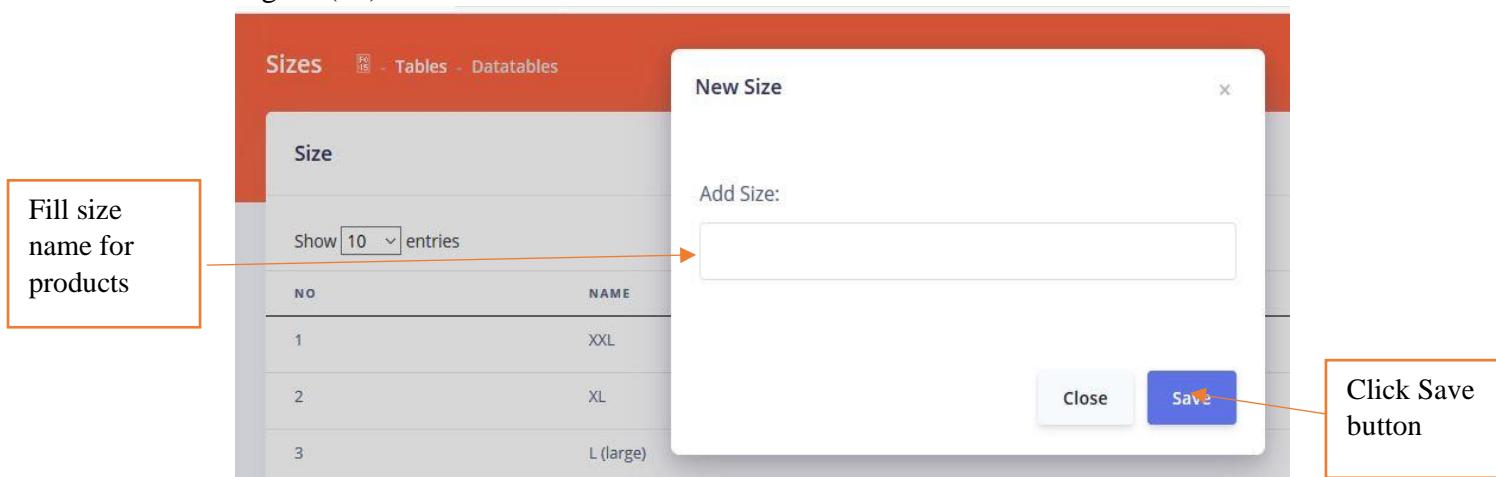


Figure (18).

5. Products create

Create Product

Name:

Price:

Detail:

Figure (19).

Choose Category:

Choose Color:

- Red&Black Orange&Black Grey
- Black & White Yellow & Grey White Black
- Yellow blue green Red

Choose Size:

- XXL XL L (large) M (medium) S (small)

Choose photos as much as you want to add

 No files selected.

Click save

Figure (20)

6. Order and Order Report

The screenshot shows a table titled "Order List" with columns: NO, CUSTOMER, TOWNSHIP, ORDER ADDRESS, RECEVIE DATE, PRODUCTS, and ACTIONS. There are three rows of data. A search bar and filter buttons for Pending, Accept, and Complete status are visible at the top right.

NO	CUSTOMER	TOWNSHIP	ORDER ADDRESS	RECEVIE DATE	PRODUCTS	ACTIONS
1	Thet Myat Noe	Kyimyinding	N0.21 Kyang Kyee	2020-05-12	1	<button>Detail</button> <button>Accept</button> <button>Delete</button>
2	Thet Myat Noe	Kyimyinding	N0.21 Kyang Kyee	2020-05-12	1	<button>Detail</button> <button>Accept</button> <button>Delete</button>
3	Thett	South Okkalapa	no10	2020-05-12	4	<button>Detail</button> <button>Accept</button> <button>Delete</button>

It is
order
status

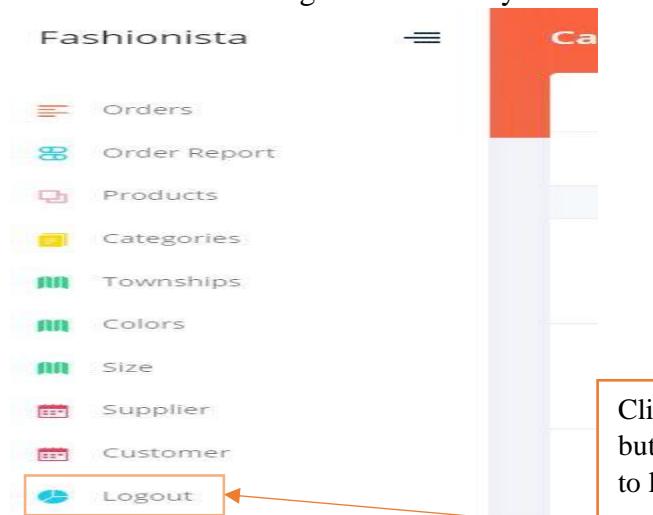
Figure (21)

The screenshot shows a table titled "Order Report By Product" with columns: NO, NAME, PRICE, QUANTITY, TOTALAMOUNT, and ACTIONS. There are two rows of data. A search bar and filter buttons for Start Date and End Date are visible at the top right. A note on the left says "Choose start and end date to view pending order". A note on the right says "This is the product detail button to view".

NO	NAME	PRICE	QUANTITY	TOTALAMOUNT	ACTIONS
1	LongEarrings	7900	1	7900	<button>Product Detail</button>
2	YoungStyle Dress	25000	1	25000	<button>Product Detail</button>

Figure (22)

7. The staffs can make logout from this system after using



Click Logout
button to go back
to login form

Figure (23)