

FPT ACADEMY INTERNATIONAL FPT – APTECH COMPUTER EDUCATION

FSM - Prominent

Supervisor: *LÊ THANH NHÂN*

Semester: II

Batch No: *T1.2011.M0*

Group No: 04

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2.	BUI DAI THANG	Student1281546
3.	NGUYEN THI ANH THU	Student1286315
4.	TRAN TRUNG NGHIA	Student1286083

Month: 9 Year: 2021

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Mr.	PHAM THIÊN LONG	
Mr.	BÙI ĐẠI THẮNG	
Mrs.	NGUYỄN THỊ ANH THƯ	
Ms.	TRẦN TRUNG NGHĨA	
Have	successfully Designed & Developed	
	FSM - Prominent	
Submi	tted by:	
	Mr. LE THANH NHAN	
Auth	orized Signature:	
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Acknowledge

First of all, our group of 4 would like to thank everyone who has supported and helped the group during this time in this project.

First of all, we would like to thank the person who guided and guided us during the implementation of this thesis, Mr. Le Thanh Nhan, who not only enthusiastically guided our knowledge and encouraged us when we were working on this project. having difficulty in learning, but he was very tough so that we have a good and acceptable working style. complete and complete.

Next, we would like to thank FPT-Aptech Academy for always helping and creating the best conditions for us to apply our knowledge in real projects. In addition, the teachers and brothers and sisters of the school are also extremely enthusiastic when we have difficulties and always answer questions as quickly as possible.

The last word I want to send to my classmates, brothers, and sisters who have always accompanied and helped in learning in an extremely open and enthusiastic way.

Your Sincerely, Team Group 04.

Synposis

The life of the internet is the farewell of people, everything in life gradually becomes more colorful, convenient, and faster thanks to it. As everyone knows, the whole world is having a common "war" with the covid-19 pandemic, so moving to the street has been extremely difficult, including shopping. But thanks to the internet it has become so much easier with just a few clicks we can buy whatever we need.

So shopping websites took advantage of that and grew very quickly, including fashion store websites. Thanks to that, they easily promote their brand and attract more potential customers thanks to this form, so the revenue has increased significantly.

FSM - Prominent, a small fashion store, has noticed this trend. Therefore, they asked us to create a website so that people can easily order the items they love without having to go out to the store in person. Moreover, the company wants to Get customer feedback to improve our service better and better.

In addition, our team designed a system that can manage products (update, delete or search...) and track customer orders.



Design Plan : FSM -	Document Name : Problem Definition	SWD/Form No.01/PD/Ver 1.0
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Problem Definition

These days in the hustle and bustle of people's lives, taking time to go out to shop has become a luxury. Worries about unsafe traffic and restrictions on traditional purchases avoidable while shopping online. With online shopping, you don't have to worry about weather conditions either. Consumers and customers who are organizations, companies, etc. are gradually turning to online shopping to save time.

That's why online shopping becomes more and more important and necessary. With just one click, they can get the product they want. Online shopping has many advantages that you can own everything, through mouse clicks rather than going to the place to buy. After going to the sales website, choose a product, just place an order (order) and the seller will bring the product to your home. Online shopping allows you to shop whenever you want. Online stores never close, can shop 24/24 hours and 7 days a week. Shopping in markets, malls or stores is difficult for you to compare the characteristics and prices of products with each other. When shopping online, you can easily compare and choose the most suitable product. Sometimes you run into difficult salespeople at certain sales locations. Online shopping, customers do not have to pay attention to that anymore. Therefore, FSM – Prominent based on the above criteria has developed a website so that customers can trust and shop comfortably without having to think much. Saving your cost, time and effort is our top priority.

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Date		

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The Role of User and Admin:

FOR CUSTOMER'S SITER

- The homepage will give a brief introduction of the company, also design a suitable logo and put it on the homepage, you can display the logo on all the pages in the website
- A menu will include all the functions implemented in the website.
- A catalog should be provided to help visitors select and order desired products.
- The shopping cart will store the customer's order and send messenger gmail to confirm your orders
- The contact us page will show the address along with their location on the map.

FOR ADMIN'S SITE

- The login page will grant access to the our administrator or moderator.
- The admin management page will be used to insert, delete or update the categories, brands, products, ... as well as track orders, account information and customer feedback.

- Management page for Moderator to insert, update, delete accounts of ministrators based on its executives User.

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Prominent	Requirements Specifications	
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Customer Requirements Specifications

USER:

Input:

- Member registration information.
- Login, logout
- View product's information.
- Order selected products.

Process:

- Search products from database by categories, by product types.
- Process customer registration information.
- Process product's feedback.
- Process customer orders.

Output:

- Notification of successful registration / failure.
- Product information.
- View bought history.
- Notification of successful making order order.

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Design Plan : FSM -	Document Name : Customer	SWD/Form No.02/CRS/Ver 1.0
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ADMIN:

Input:

- Administrator login information .
- Product Brands Category information to add / edit / delete.
- Member information to be search / disable or enable account.
- Order information to be search / approve.

Process:

- Add / edit / delete products.
- View information of all members.
- Change member account's status.
- View all orders.
- Update order status.

Output:

- -Notification to add / edit / delete products success / failure.
- -Notification to change member account's status.
- -Notification to update order's status.

Note: Constraint validation must be provided wherever necessary. And the website should have the smooth navigations.

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Date		

Design Plan: FSM -	Document Name: Customer	SWD/Form No.02/CRS/Ver 1.0
Prominent	Requirements Specifications	
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${\bf Hardware \, / \, software \, requirement:}$

Sr.	Item	Description
1.	Operating system	Windows 7, 8, or higher
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better
3.	Web Browser	Version in later of: Edge, Firefox, Chrome, etc
4.	Fonts	Standard font Unicode: Arial, Tahoma, Lucida Console, Times New Roman, etc
5.	Other requirement	NodeJS, Git, XAMPP 7.3 or later A working internet connection.

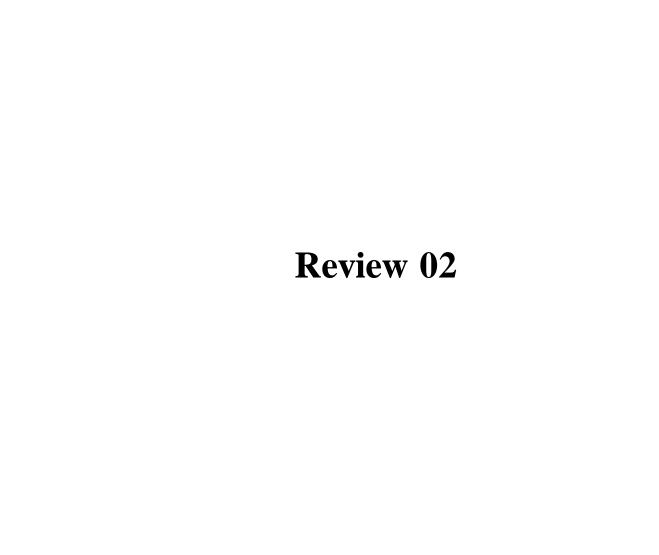
	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	Le Thanh Nhan
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Date		

Design Plan: FSM -	Document Name: Task Sheet	SWD/Form No.11/TS/Ver 1.0
Prominent		
Effective Date:	Version 1.0	Page No: Page 11 of 41
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REVIEW 1 – TASK SHEET

N	N o Member	Contents	Table Name	Activity Date of Preparation of Plan Activity Plan				
0				Planed Start Date	Actual Start Date	Actual Days	Status	
1		Admin	View, add, edit, delete		29/09/2021	04/10/2021	5	OK
2	Pham Thien Long	Admin	category/barnd	Danhmuc	29/09/2021	04/10/2021	5	OK
3	Than Thien Long	User	Register	loaisanpham	29/09/2021	04/10/2021	5	OK
4		OSCI	Change name , password		29/09/2021	04/10/2021	5	OK
1			17. 11. 11. 11.	sanpham	29/09/2021	04/10/2021	5	OK
2	Bui Dai Thang	Admin	View , add , edit , delete products in database		29/09/2021	04/10/2021	5	OK
3	Dui Dai Thang		products in adiabase		29/09/2021	04/10/2021	5	OK
4	4	User	View Product		29/09/2021	04/10/2021	5	OK
1			View , check order's		29/09/2021	04/10/2021	5	OK
2	Nguyen Ngoc Anh Thu	Admin	customer, processing order	donhang	29/09/2021	04/10/2021	5	OK
3		User	Add Order	chitietdonhang	29/09/2021	04/10/2021	5	OK
4		USEI	View information ordder		29/09/2021	04/10/2021	5	OK
1	Tran Trung Nghia	Aamin	View, add, edit, delete	# 011 o i dum o	29/09/2021	04/10/2021	5	OK
2			customer		29/09/2021	04/10/2021	5	OK
3		Register	Register, login	nguoidung	29/09/2021	04/10/2021	5	OK
4			User			29/09/2021	04/10/2021	5

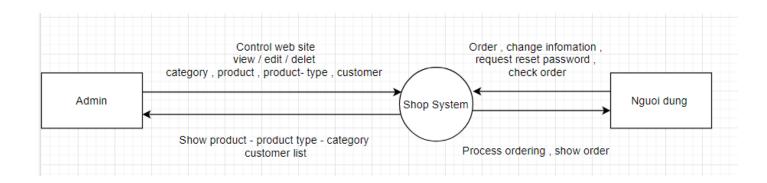
	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	Le Thanh Nhan
Signature		
Date		



Design Plan: FSM -	Document Name : Data Flow Chart	SWD/Form No.03/DFD/Ver 1.0
Prominent		
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Data Flow Diagram

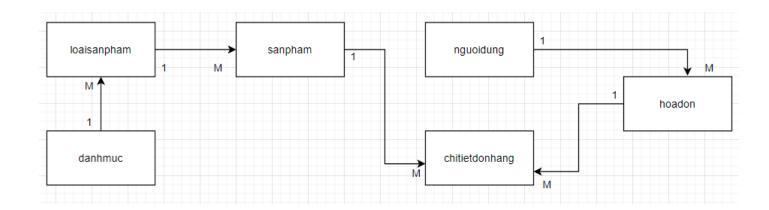
A. DFD



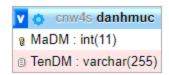
	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	LE THANH NHAN
Signature		
Date		

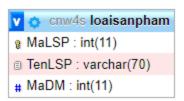
Design Plan : FSM -	Document Name : Entity Relationship	SWD/Form No.04/ERD/Ver
Prominent	Diagram	1.0
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B. ERD



C. ERD Properties





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Date		

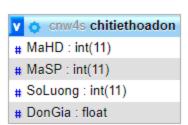
Design Plan: FSM -	Document Name : Entity Relationship	SWD/Form No.04/ERD/Ver
Prominent	Diagram	1.0
Effective Date:	Version 1.0	Page No: Page 14 of 41
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v 💠 cnw4s sanpham
MaSP : int(11)
MaLSP : int(11)
MaDM : int(11)
∃ TenSP : varchar(70)
DonGia : int(11)
SoLuong : int(10) unsigned
HinhAnh1: varchar(200)
HinhAnh2 : varchar(255)
HinhAnh3 : varchar(255)
MaKM : int(11)
SoSao : int(11)
SoDanhGia : int(11)
TrangThai : int(11)
MoTa : text ■ MoT
MotaCT : text ■
■ Time : date

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	Project Group No: 04	LE THANH NHAN
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Date		

Design Plan: FSM -	Document Name : Entity Relationship	SWD/Form No.04/ERD/Ver
Prominent	Diagram	1.0
Effective Date:	Version 1.0	Page No: Page 14 of 41
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v 💠 cnw4s nguoidung
MaND : int(11)
Ho : varchar(20)
∃ Ten : varchar(20)
GioiTinh : varchar(10)
SDT : varchar(20)
Email: varchar(50)
DiaChi : varchar(200)
∃ TaiKhoan : varchar(100)
MatKhau : varchar(100)
MaQuyen : int(11)
TrangThai : int(11)



v 💠 cnw4s hoadon
MaND : int(11)
■ NgayLap : datetime
NguoiNhan : varchar(50)
SDT : varchar(20) ■
DiaChi : varchar(100)
PhuongThucTT : varchar(20)
TongTien : float

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM -	Document Name : Entity Relationship	SWD/Form No.04/ERD/Ver
Prominent	Diagram	1.0
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Date		

Design Plan: FSM -	Document Name : Table Design	SWD/Form No.05/TAB/Ver 1.0
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Table Design

A. Table Design







DonGia : float

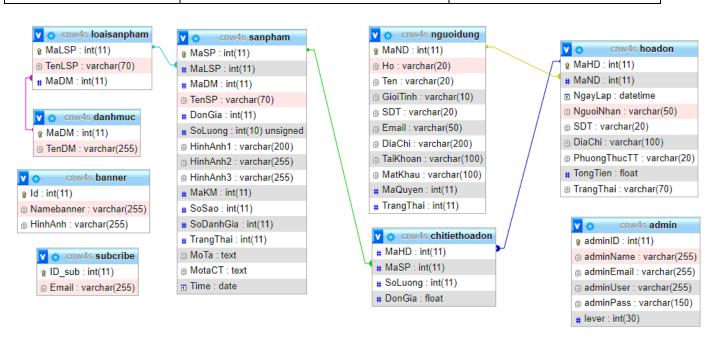




B. Relationship Diagram

	Prepared by (Student)	Approved by (Faculty)
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Signature		
Date		

Design Plan: FSM -	Document Name: Table Design	SWD/Form No.05/TAB/Ver 1.0
Prominent		
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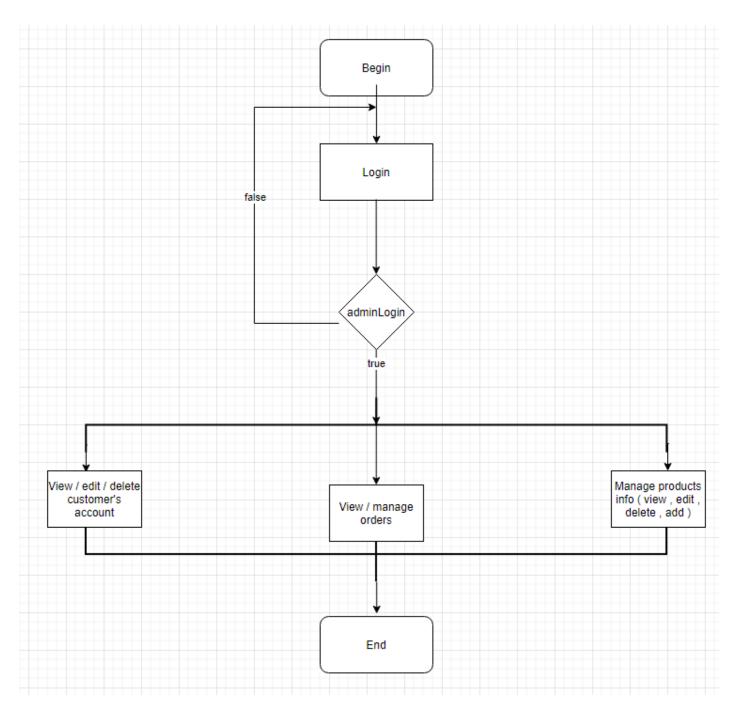


	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	LE THANH NHAN
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Date		

Design Plan : FSM -	Document Name : Algorithm	SWD/Form No.07/ALG/Ver
Prominent		1.0
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Algorithm

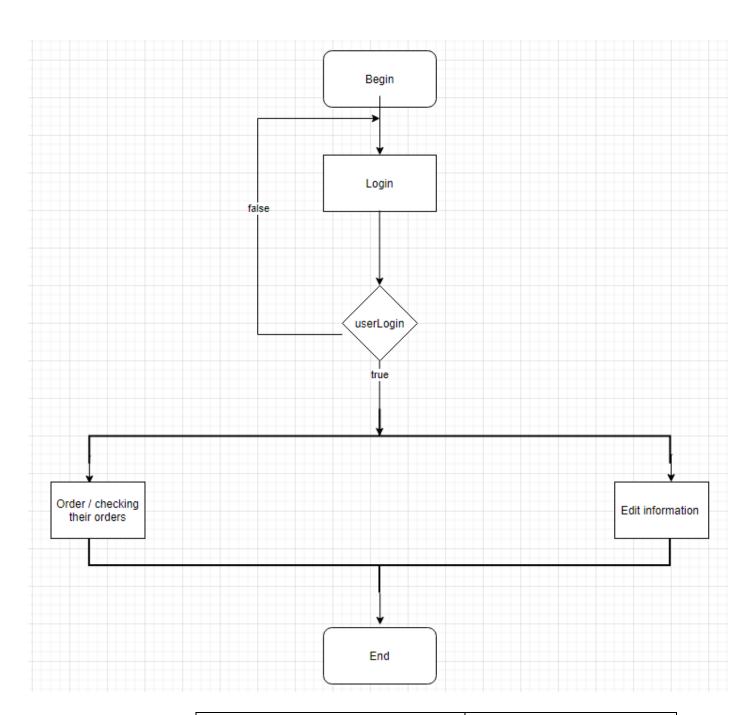
A. Admin



	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM -	Document Name: Algorithm	SWD/Form No.07/ALG/Ver
Prominent		1.0
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B. User



	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	LE THANH NHAN
Signature		
Date		

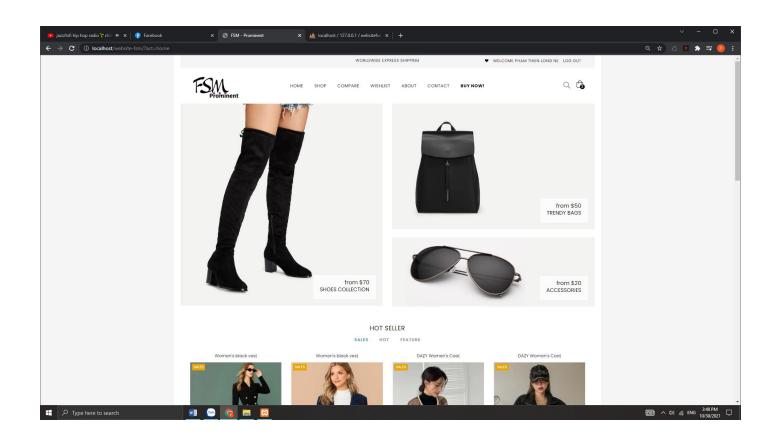
Review 03

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM -	Document Name: Screenshots	SWD/Form No.08/SS/Ver 1.0
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Site Map

I. Home page

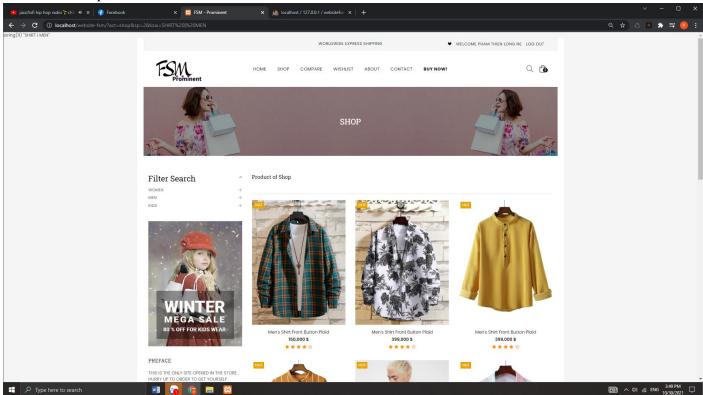


Description	HomePage
From	N/A
То	Shop, My Account, Contact Us, About Us, Admin page
Event	Navigate the site by clicking menus or products.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM - Prominent	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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II. Shop

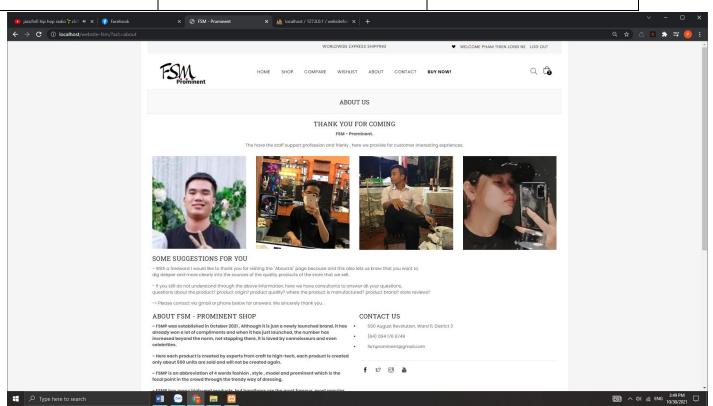


Description	Shop Page
From	Home Page
То	Shop page
Event	Customers can view products by category, view details, search by product name.

III. About us page

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM - Prominent	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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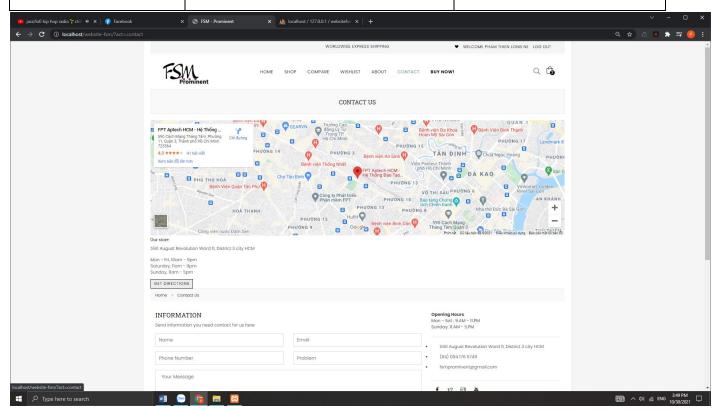


Description	About Us Page
From	Home Page
То	About Us Page
Event	Show all information about the business including including phone number 1, phone number 2, business address correct business name, email, and address on Google Map. Show typical members who created the site.

IV. Contact us page

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM -	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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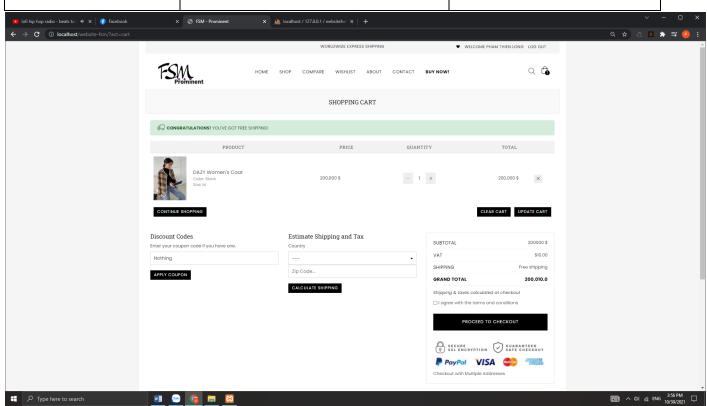


Description	Contact Us Page
From	Home Page
То	Contact Us Page
Event	customer can send feedback to admin through form

V. View cart

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

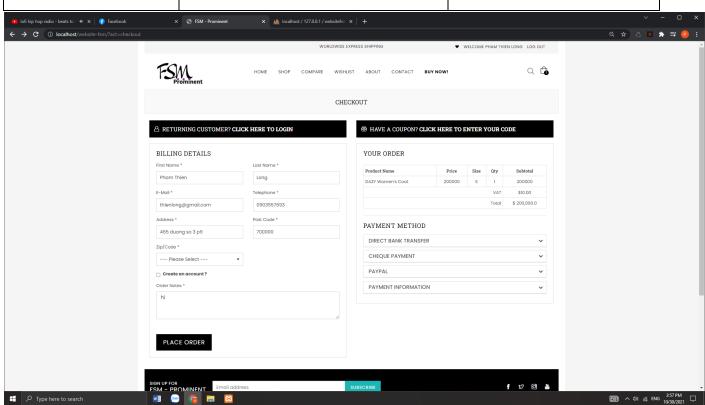
Design Plan: FSM -
ProminentDocument Name: Screen shotsSWD/Form: No.08/SS/Ver1.0Effective Date:29/09/2021Version 1.0Page No: 22 of 41

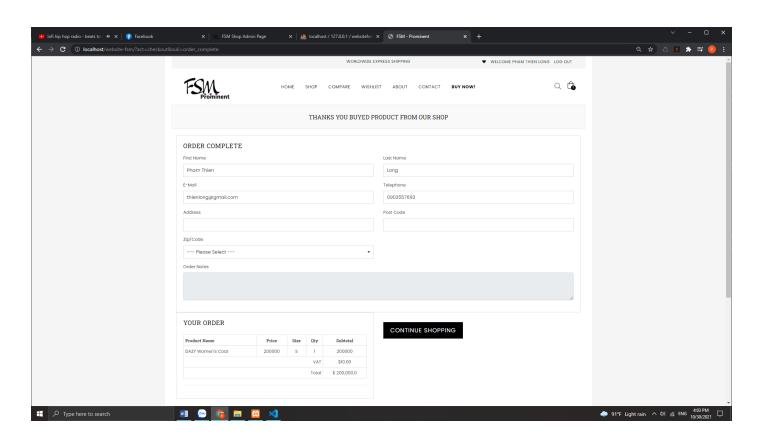


VI. Check out

	Prepared by (Student)	Approved by (Faculty)
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Signature		
Date		

Design Plan: FSM -
ProminentDocument Name: Screen shotsSWD/Form: No.08/SS/Ver1.0Effective Date:29/09/2021Version 1.0Page No: 23 of 41

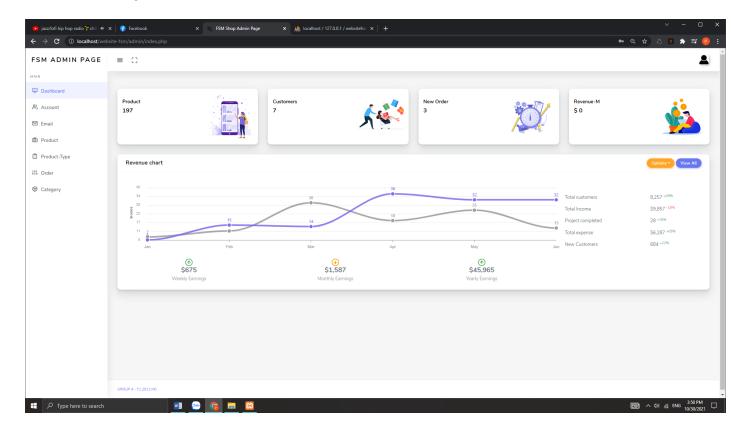




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Design Plan: FSM -	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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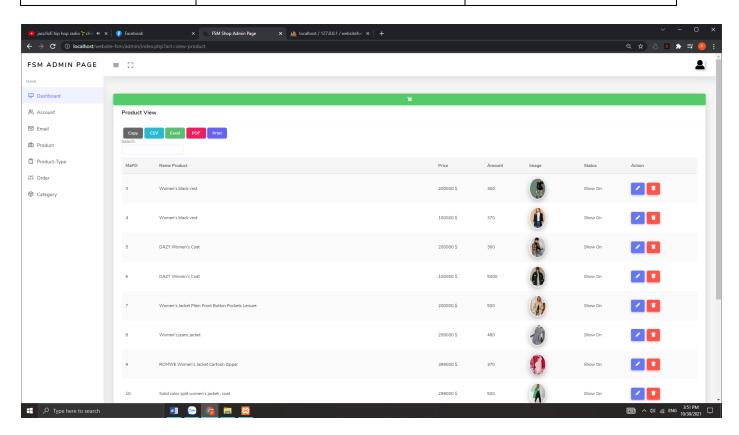
VII. Admin Page



Description	ADMIN Page
From	ADMIN PAGE
То	Customer page
Event	Admin can INSERT/VIEW/UPDATE/DELETE

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

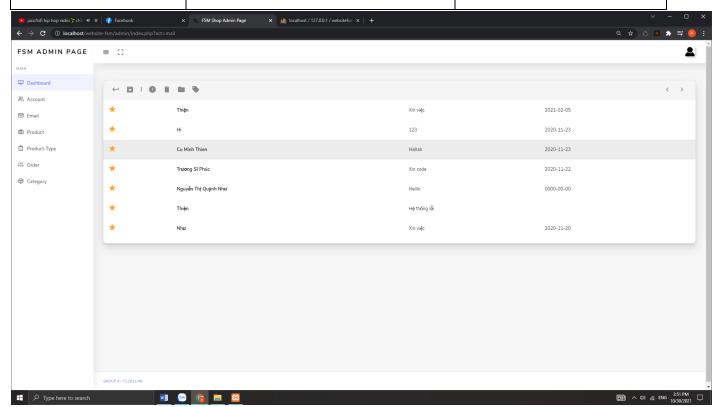
Design Plan: FSM - Prominent	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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Description	ADMIN Page
From	ADMIN PAGE
То	Product page
Event	Admin can INSERT/VIEW/UPDATE/DELETE

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

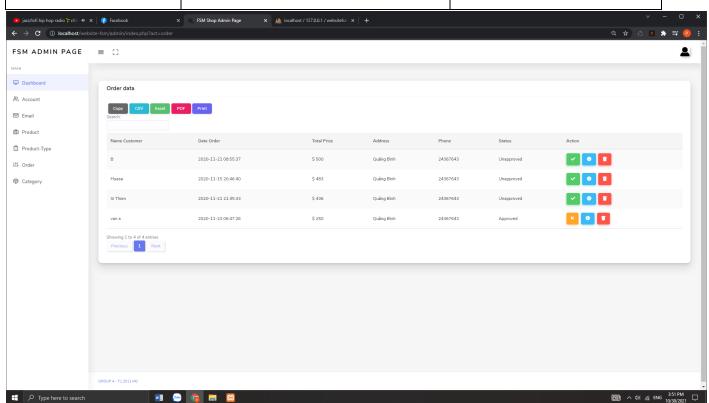
Design Plan: FSM -	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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Description	ADMIN Page
From	ADMIN PAGE
То	Mail page
Event	Admin can View, reply, delete

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

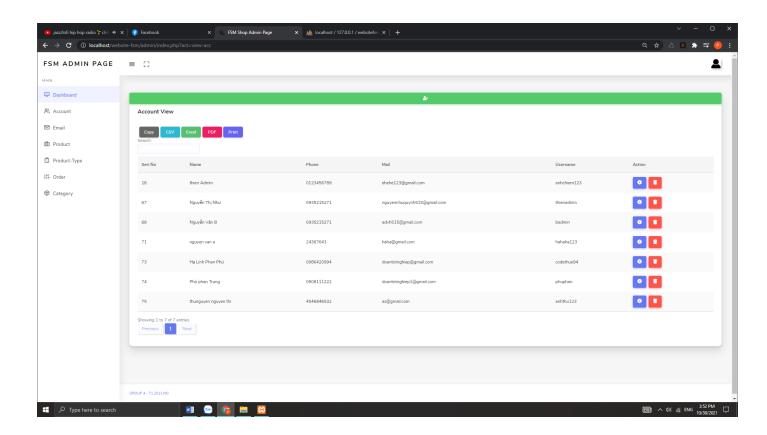
Design Plan: FSM - Prominent	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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Description	ADMIN Page
From	ADMIN PAGE
То	Order page
Event	Admin can View detail of order, process, delete

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

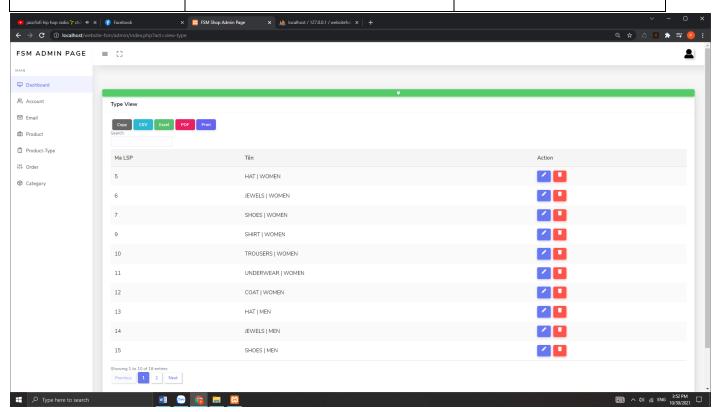
Design Plan : FSM - Prominent	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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Description	ADMIN Page
From	ADMIN PAGE
То	Account page
Event	Admin can View detail of order, process, delete

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

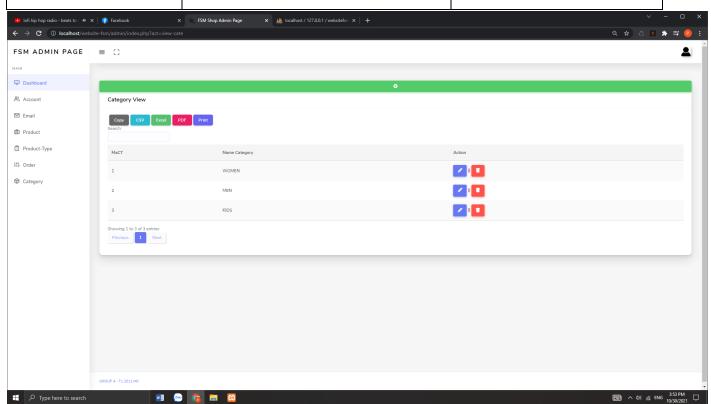
Design Plan: FSM -	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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Description	ADMIN Page
From	ADMIN PAGE
То	Product-type page
Event	Admin can View detail of order, process, delete

	Prepared by (Student)	Approved by (Faculty)
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Signature		
Date		

Design Plan: FSM - Prominent	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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Description	ADMIN Page
From	ADMIN PAGE
То	Category page
Event	Admin can View detail of order, process, delete

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM -	Document Name: Screen shots	SWD/Form: No.08/SS/Ver1.0
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TESTING DOCUMENT

Sr.No	Features Tested	Remarks
1		
2		
3		
4		
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6		
7		
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15		

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:04	LE THANH NHAN
Signature		
Date		

Design Plan: FSM -	Document Name: Final Checklist	SWD/Form: No.010/FC/Ver1.0
Prominent		
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Final Checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1		
	Are all the users able to view the images and links?	
2		
	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	
3		
	Are the GUI content devoid of spelling mistakes?	
4		
	Is the application user-friendly?	
5		
	Is the Website launching correctly in all popular browsers?	
6		
	Are all the forms validated with proper criteria?	
7		
	Do all text links lead to the appropriate website?	
8		
	Do all image links lead to the appropriate website?	
9		
	Are all the images and links clearly visible on the page?	
10		
	Does the Web page work properly in all the tested browsers?	

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Signature		
Date		

Design Plan: FSM - Prominent	Document Name: Final Checklist	SWD/Form: No.010/FC/Ver1.0
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4.4		

11		
	Does the Web page take too long to be loaded fully?	

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Design Plan: FSM - Prominent	Document Name: Final Task Sheet	SWD/Form: No.011/FTS/Ver1.0
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FINAL TASK SHEET

N o	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planed Start Date	Actual Start Date	Actual Days	Status
1	Pham Thien Long	Admin	View, add, edit, delete	liew , add , edit , delete	29/09/2021	14/10/2021	15	OK
2			category/barnd Danhmuc	29/09/2021	14/10/2021	15	OK	
3		User	Register	loaisanpham	29/09/2021	14/10/2021	15	OK
4			Change name, password		29/09/2021	14/10/2021	15	OK
1		Admin	View, add, edit, delete products in database	sanpham	29/09/2021	14/10/2021	15	OK
2	Bui Dai Thang				29/09/2021	14/10/2021	15	OK
3	Bui Dai Thang				29/09/2021	14/10/2021	15	OK
4		User	View Product		29/09/2021	14/10/2021	15	OK
1	Nguyen Ngoc Anh Thu	Admin	View , check order's	donhang chitietdonhang	29/09/2021	14/10/2021	15	OK
2			customer, processing order		29/09/2021	14/10/2021	15	OK
3		User	Add Order		29/09/2021	14/10/2021	15	OK
4			View information ordder		29/09/2021	14/10/2021	15	OK
1	Tran Trung Nghia	Admin	View, add, edit, delete customer	nguoidung	29/09/2021	14/10/2021	15	OK
2					29/09/2021	14/10/2021	15	OK
3		User	Register, login		29/09/2021	14/10/2021	15	OK
4					29/09/2021	14/10/2021	15	OK

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