APTECH
COMPUTER EDUCATION

Handikrafts

Documentation

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1) Problem Definition

1.1) Problem Abstraction

In the era of industry 4.0 developed rapidly. Information Technology (IT) has been changing the world quickly . Website system is growing in the world and increasingly playing an important role for people. Enterprises gradually use the commercial website to replace the old business form by its superiority from entertainment, marketing and trade. Business website has many advantages: faster, more convenient, more efficient, not limited in space and time, cost effective . Therefore Venus Handicrafts specializes in handicrafts that want to create a website to advertise and trade goods.This project can contribute to widely promoting the company, attracting customers, increasing revenue for the company.

1.2) The Current System

The current mode of operation is sell products at the company so that those who need to buy them will come to the store to see and buy . That causes many disadvantages for buyers and companies. Buyers will be hard to update the new goods, waste of time as possible on the days the company to pick g door. Can run out without knowing. May cause the company to lose customers and be less profitable.

1.3) The Proposed System

With the current way of operation requires that the company need a website to operate to improve the way it works and overcome the disadvantages.

- ❖   Name Website: Venus Handicrafts company.
- ❖   Form: Provide items of handicrafts, ornaments, accessories for customers who have needs .
- ❖   System function:
  - ➢   For system management:
    - ▪   Goods management.
    - ▪   Provide information about goods sold on the Website.
    - ▪   Quickly update new products.
    - ▪   Manage customer orders.

  - ➢   For customers:
    - ▪   Find goods quickly and conveniently.
    - ▪   You can contact quick answers.
    - ▪   Order quickly, conveniently, ensure quality, receive goods at the place.

1.3.1) Boundaries of the System

Customers can only pay by door-to-door payment after delivery, or to the place of payment. Customers can view goods without registration, but are required to register / login for purchases. Customers can only place orders to the location, name, and phone number registered at the member registration page.

1.3.2) Hardware and Software Requirements

❖ Hardware :
  ➢ A minimum computer system will help you access all có the tools in the courses is a Pentium 166 or better.
  ➢ 64 Megabytes of RAM or   better .

❖ Software :
  ➢ IE 5.0 / Netscape 6.0 .
  ➢ XAMPP.
  ➢ Browser
  ➢ MySQL / SQL Server.

2) Customer Requirements Specification

2.1) User of the System

-Customers: Website visitors see goods, choose goods, buy goods.

-Manage the system : Be the system manager, manage product information, handle orders of CO .
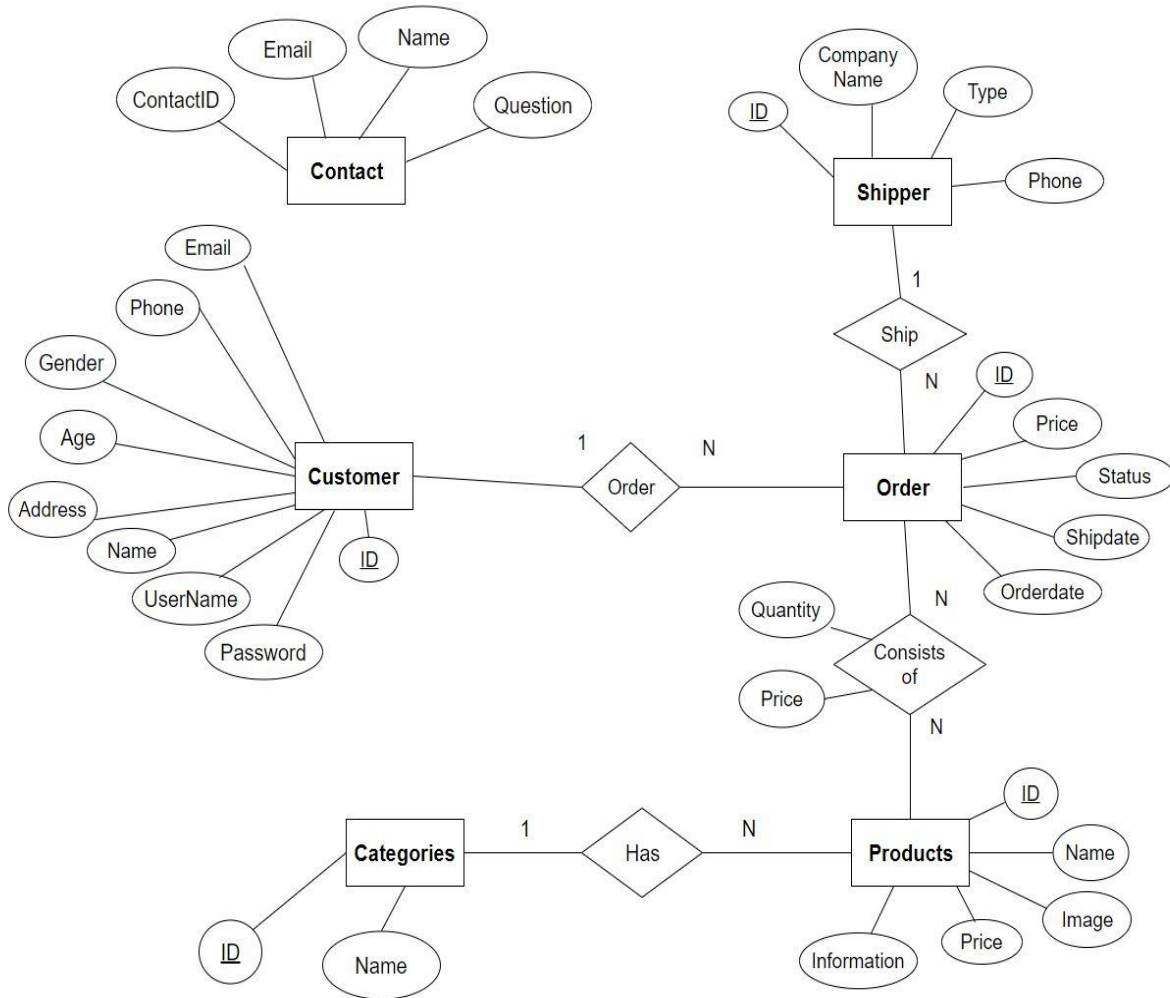
2.2) System functions

❖ Customer:
  ➢ Function to view product information:
    ▪ Description: For customers who can view information about items sold on the system.
    ▪ Input: No import required , just click on the link of the item to view.
    ▪ Handling: Accessing the Database (Database) , retrieving detailed information about the item to view.
    ▪ Display: Displays product details such as pictures of products, product prices.
  ➢ Product search function :
    ▪ Description: Search for information on items sold on the Website.
    ▪ Enter: Ask the customer to enter the name of the product to search (eg table, chair, photo frame, ...).
    ▪ Handling: Retrieving The database filters out products that match the customer's search.
    ▪ Display: Display products that match the customer's search. If there is no matching product, the error cannot be found
  ➢ Shopping cart function:
    ▪ Description: The shopping cart has the function to store information about the items you choose to buy.
    ▪ Enter: When customers enter the link to buy, the cart will store information about that product.

- Processing: receive and store information about products that customers choose to buy, access databases with the necessary information to prepare for payment and billing.
- Display: If the customer makes a payment or continues to choose to purchase.

➢ Function to view invoice information:
- Description: Review the information of orders placed
- Enter: When customers enter the order link , customers can review the order details.
- Processing: receive and store information about products that customers choose to buy, access databases with the necessary information to prepare for payment and billing.
- Display: K customers make payment or continue to choose to purchase.

❖ System management:
➢ Product delete function, product catalog:
- Input: The administrator clicks on the "Delete" button next to the product name.
- Handling: Access the database to delete the product to be deleted.
- Display: Notice the result of the session is work.

➢ Function of adding products, product catalog:
- Enter: Enter the additional product information .
- Handling: Add the information you just entered into the database.
- Display: Notice the result of the session.

➢ But c correction product information, product catalog:
- Input: Select the product to modify the information, then re-enter the information to correct.
- Handling: Check for new information, if valid, replace the old information, otherwise keep it.
- Display: Notice the session result is the job.

➢ Function to view member information:
- Enter: Select the member to view information
- Handling: Retrieved from the database for information related to that member.
- Display: Show detailed information through .

➢ Function to view invoice information:
- Enter: Select the invoice to view.
- Processing: Find the invoice information in the database.
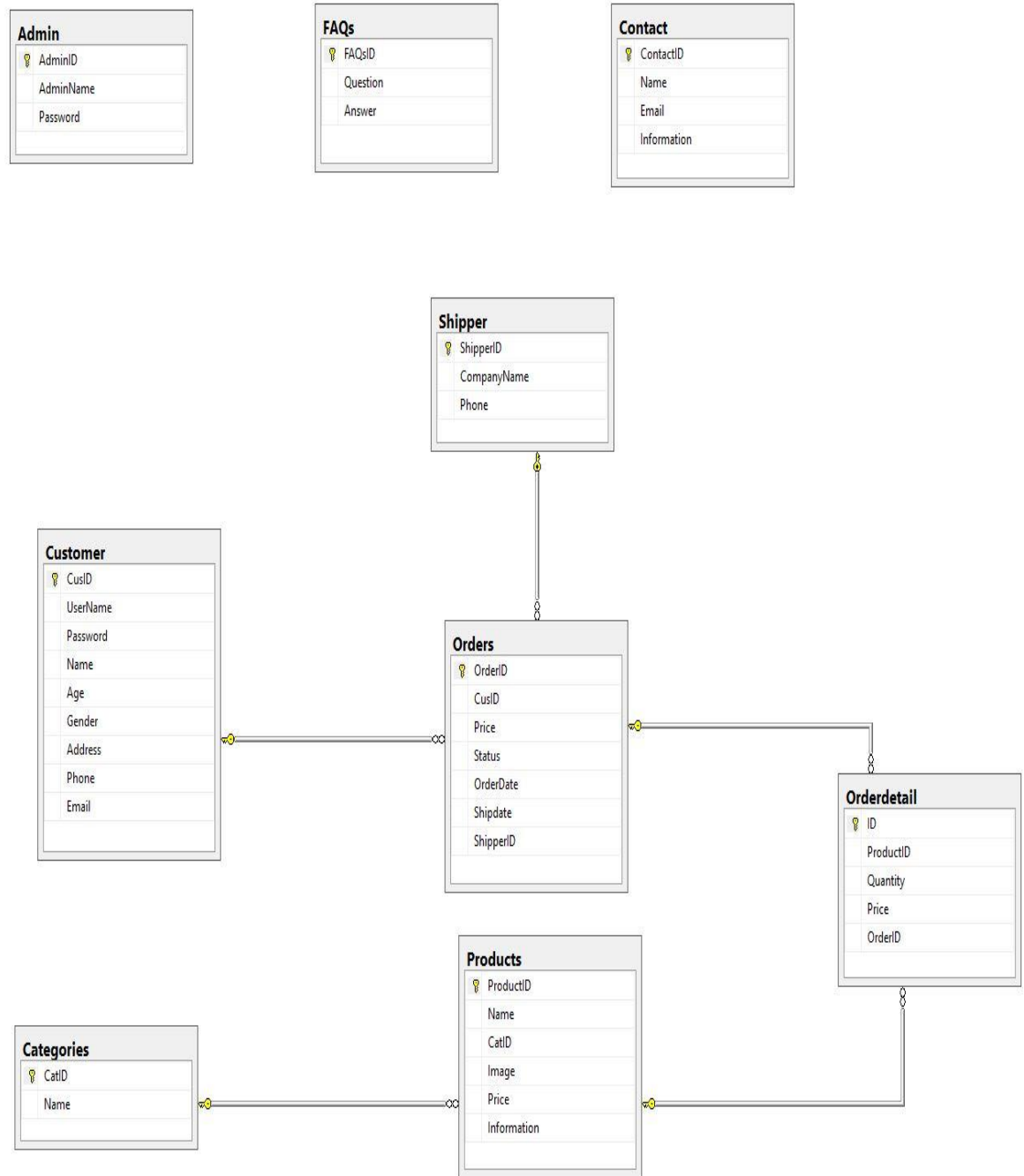- Display: Provide detailed information about the invoice to see.

3)System Design

3.1)Entity Relationship Diagram

- Entity Relationship:

3.2)Database Design

-Diagram

Admin
- 🔑 AdminID
- AdminName
- Password

FAQs
- 🔑 FAQsID
- Question
- Answer

Contact
- 🔑 ContactID
- Name
- Email
- Information

Shipper
- 🔑 ShipperID
- CompanyName
- Phone

Customer
- 🔑 CusID
- UserName
- Password
- Name
- Age
- Gender
- Address
- Phone
- Email

Orders
- 🔑 OrderID
- CusID
- Price
- Status
- OrderDate
- Shipdate
- ShipperID

Orderdetail
- 🔑 ID
- ProductID
- Quantity
- Price
- OrderID

Products
- 🔑 ProductID
- Name
- CatID
- Image
- Price
- Information

Categories
- 🔑 CatID
- Name

-Admin:

Properties	Data Type	Length	Key
AdminID	Int		Primary key
AdminName	Char	100	
Password	Char	64	

-Customer:

Properties	Data Type	Length	Key
CusID	Int		Primary key
UserName	Char	250	
Password	Char	64	
Name	Varchar	250	
Age	Int		
Gender	Char	6	
Address	Varchar	250	
Phone	Char	10	
Email	Char	250	

-Shipper:

Properties	Data Type	Length	Key
ShipperID	Int		Primary key
CompanyName	Varchar	100	
Phone	Char	10	

-Orders:

Properties	Data Type	Length	Key
OrderID	Int		Primary key
CusID	Int		Foreign key
Orderdate	Datetime		
Shipdate	Datetime		

Price	Float		
Status	Varchar	500	
ShipperID	Int		Foreign key

-Categories:

Properties	Data Type	Length	Key
CatID	Int		Primary key
Name	Varchar	100	

-Products:

Properties	Data Type	Length	Key
ProductID	Int		Primary key
Name	Varchar	100	
CatID	Int		Foreign key
Image	Image		
Price	Float		
Information	Varchar	1000	

-Orderdetail:

Properties	Data Type	Length	Key
ID	Int		Primary key
ProductID	Int		Foreign key
Quantity	Int		
Price	Float		
OrderID	Int		Foreign key

-Contact:

Properties	Data Type	Length	Key
ContactID	Int		Primary key
Name	Varchar	100	
Information	Varchar	1000	
CusID	Int		Foreign key

-FAQs:

Properties	Data Type	Length	Key
FAQs	Int		Primary key
Question	Varchar	1000	
Answer	Varchar	2000	

3.3)Sitemap

-Client:

-Admin:

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                          ┌──────────┐
                          │  Log In  │
                          └────┬─────┘
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                          ┌────┴──────┐
                          │ Home Page │
                          └────┬──────┘
        ┌────────┬────────────┼────────────┬────────────┐
   ┌────┴────┐┌──┴─────┐ ┌────┴────┐ ┌──────┴───┐ ┌──────┴──┐
   │Category ││Product │ │ Shipper │ │ Customer │ │  Order  │
   │Managemnt││Managemt│ │Managemnt│ │Managemnt │ │Managemnt│
   └─────────┘└────────┘ └─────────┘ └──────────┘ └─────────┘
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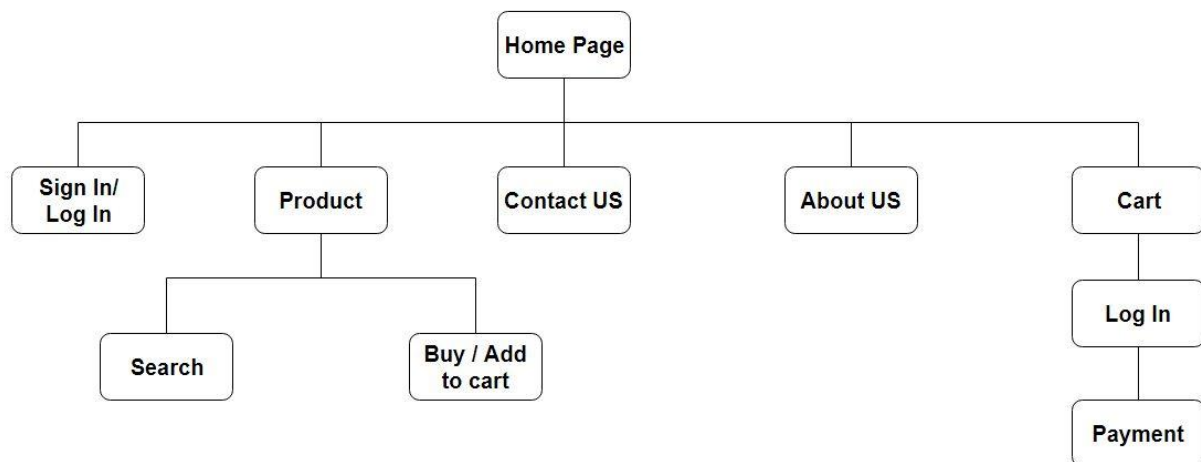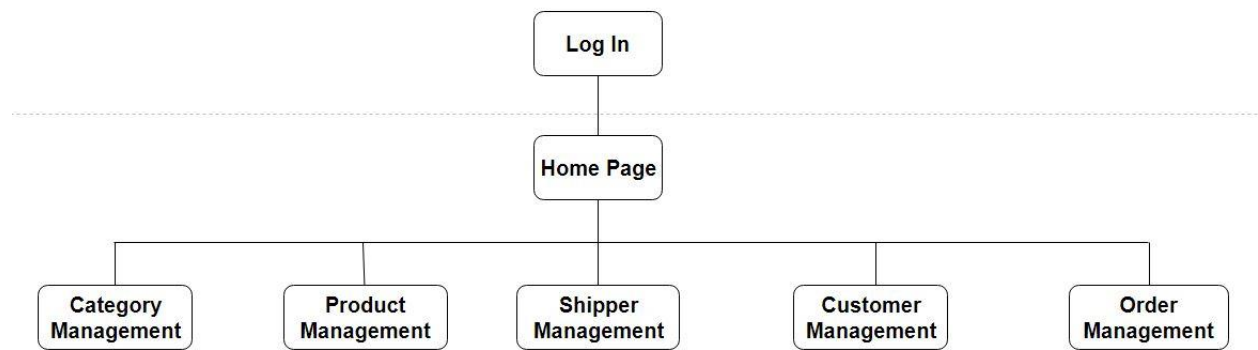
3.3)System Functions Design

-Login:
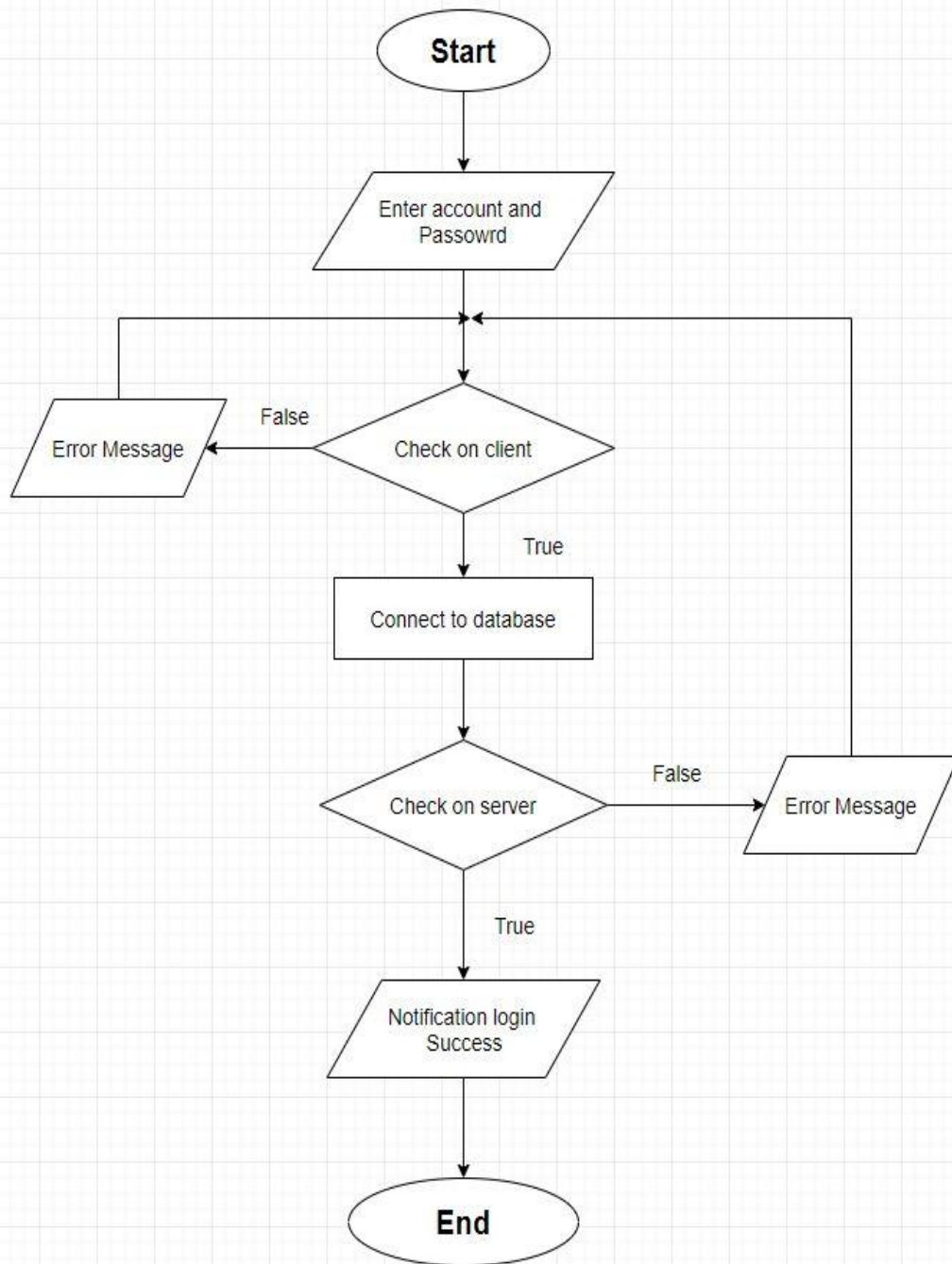
-Search:
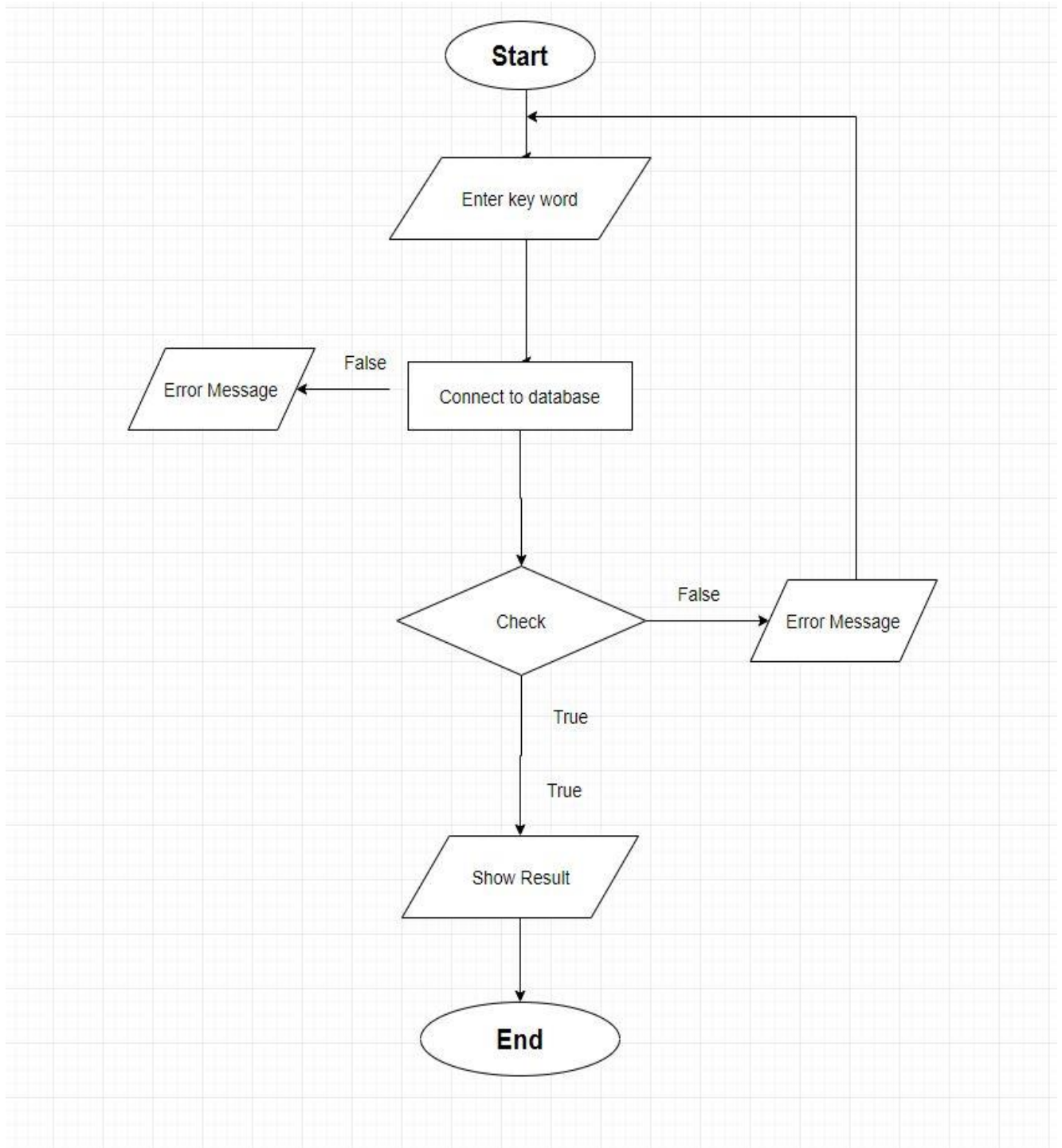
-create,update product:
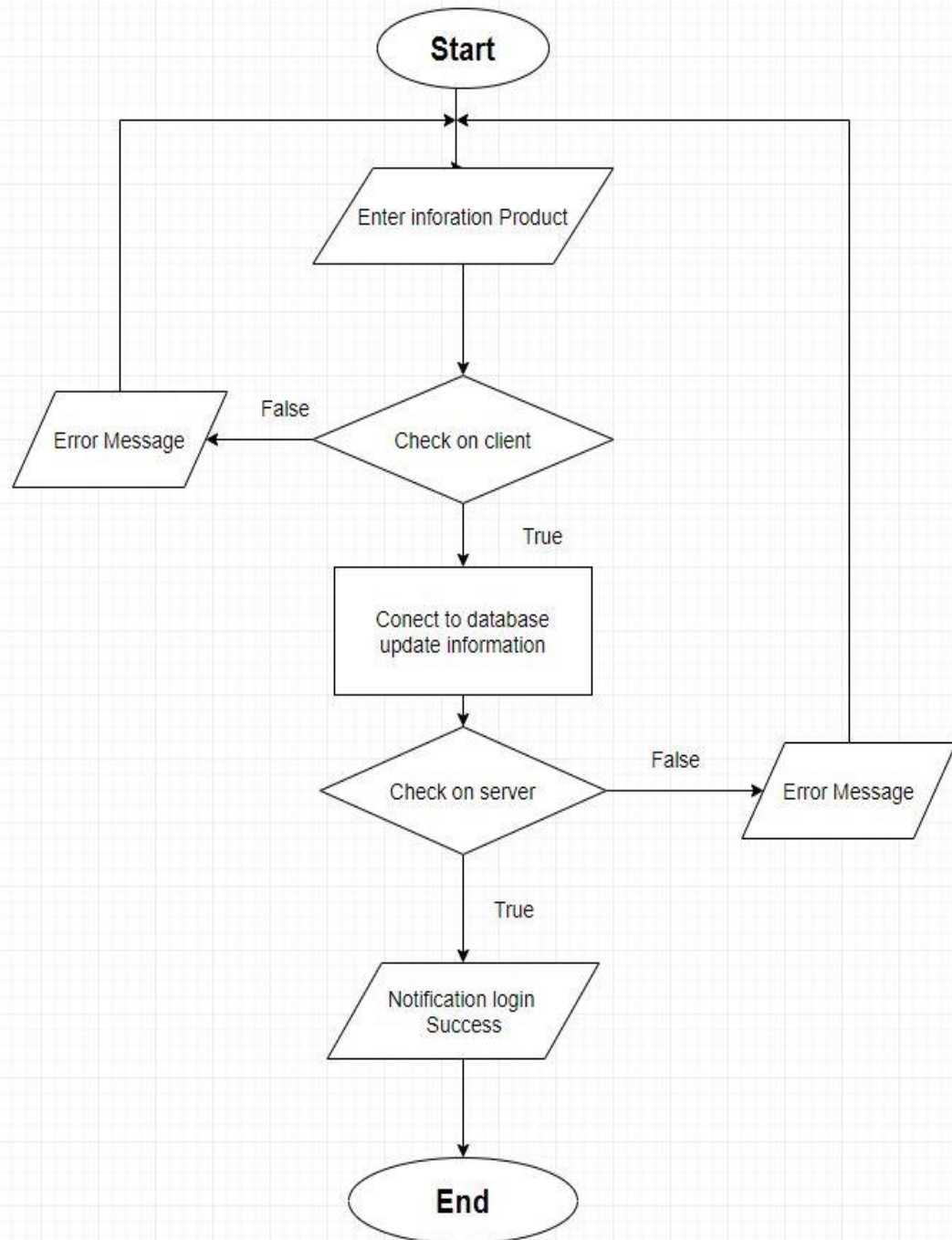
3.4)Theme

-Client:
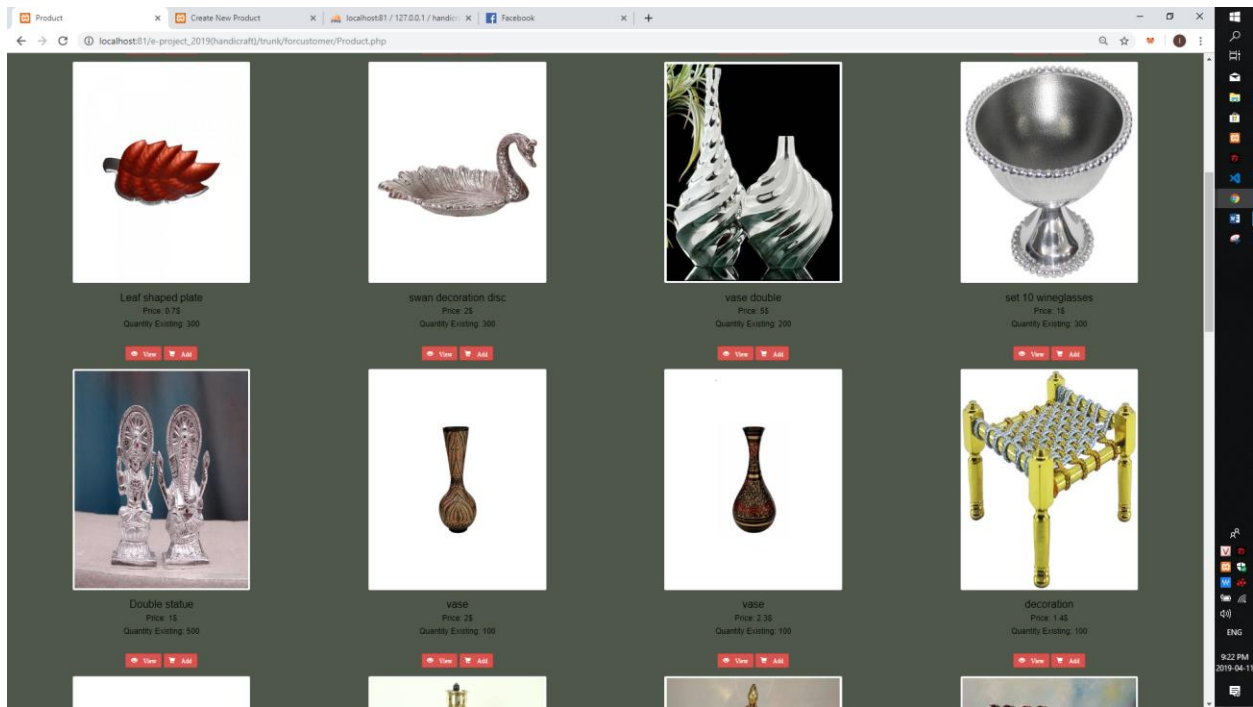
Image1:Product for customer

Image2:Product for customer

Image3:Sign In for customer
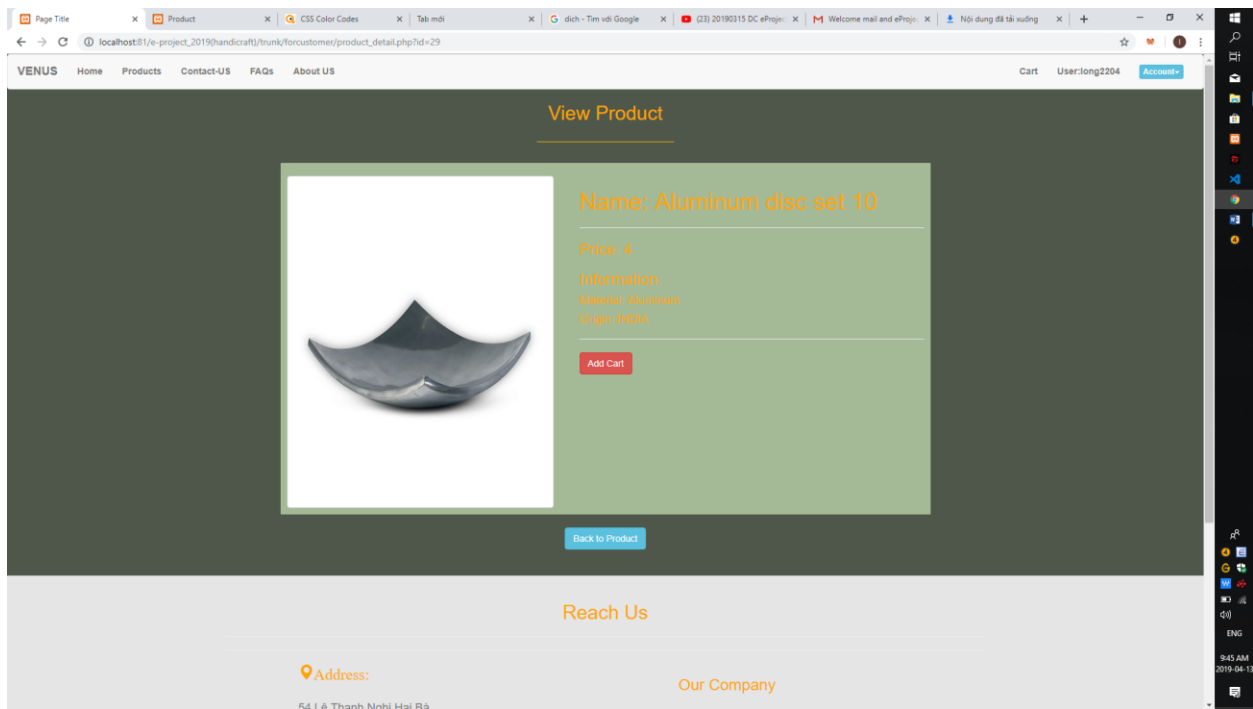

Image4:Cart

Image5:Payment
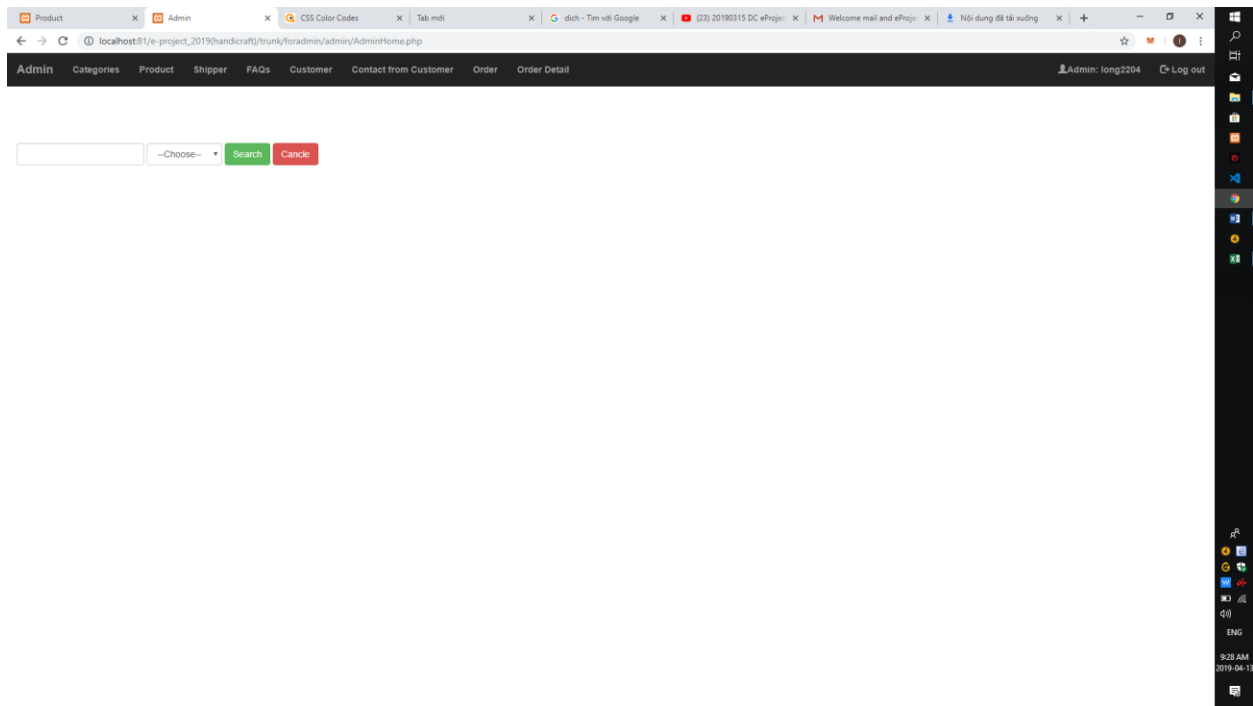

Image6:Order detail

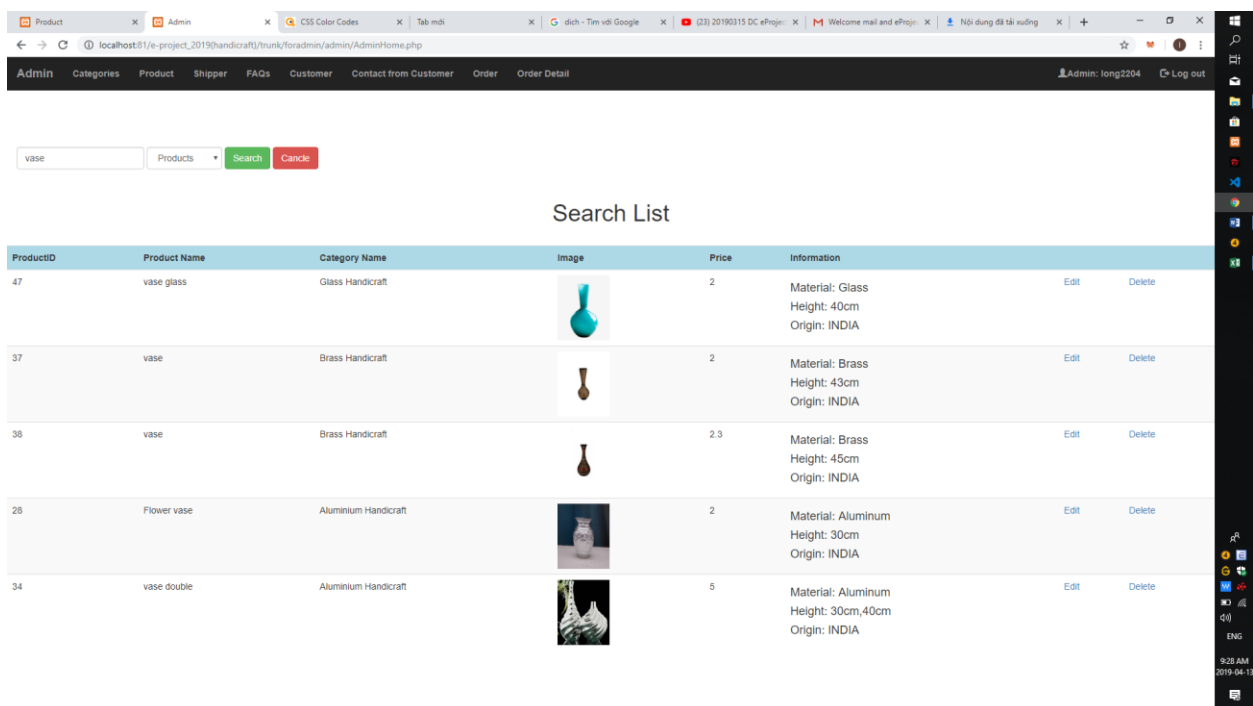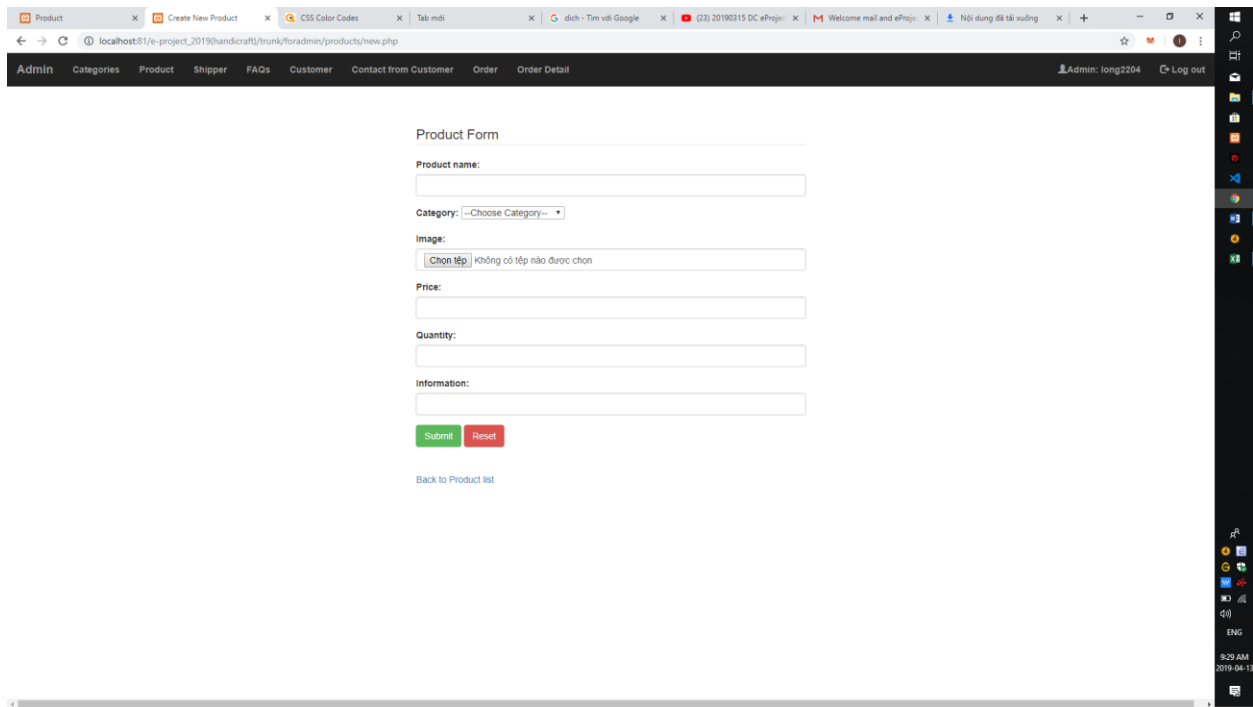-Admin:

Image1:Home for admin

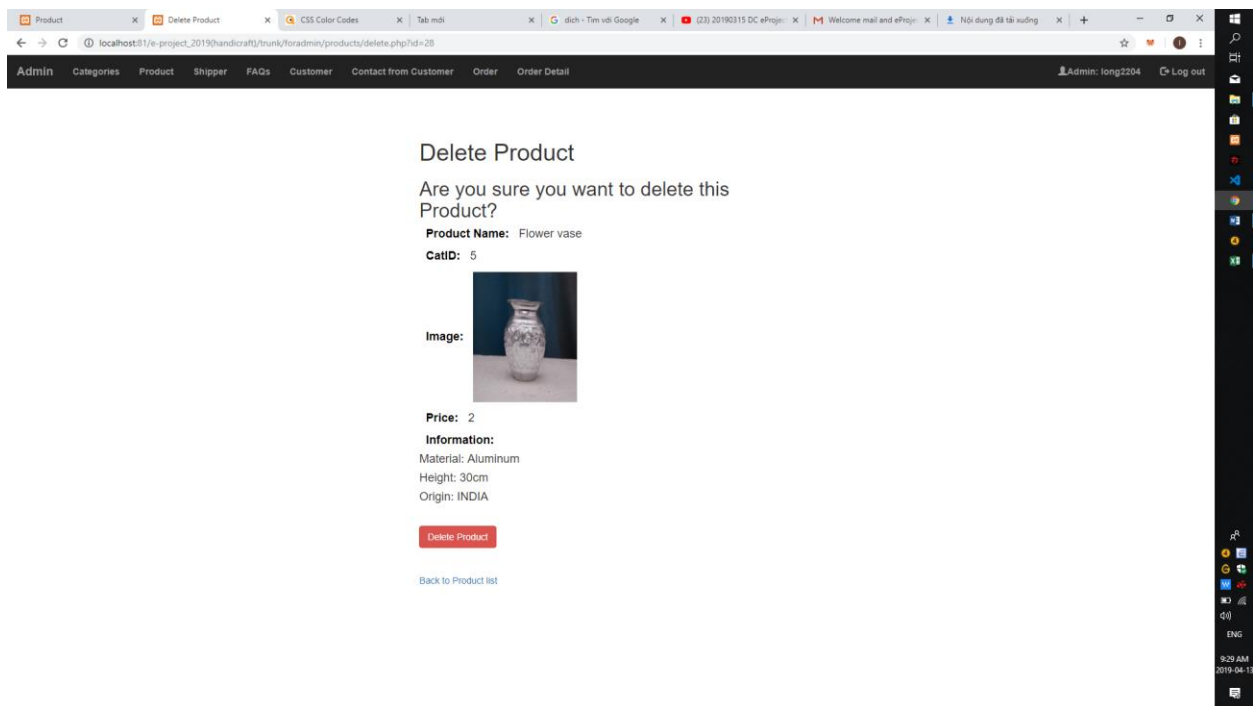Image2:Product for admin

Image3:Create new product

Image4:delete Product