

VIETNAM NATIONAL UNIVERSITY HO CHI MINH CITY
HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY
FACULTY OF COMPUTER SCIENCE AND ENGINEERING



WEB PROGRAMMING (CO3049)

Project

Smartphone Online Store

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Group: 7
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1 Introduction

1.1 About the Project

The Covid-19 pandemic has now affected all aspects of life, particularly the economic one. Electronic devices, particularly phones, are becoming increasingly popular as a means of entertainment and communication with others without being subjected to physical influences. And in addition to travel restrictions as well as restrictions on face-to-face contact, the field of online sales has grown. As a result, there has been a surge in online phone purchasing. The reason for this is that by switching to this form, customers will be able to purchase goods at a lower cost because stores will no longer have to pay additional maintenance fees such as cash for premises, money for facilities, and so on. Another reason is that online stores will not be physically impacted like brick-and-mortar stores, which are forced to close because of blockade orders or shut down. That is why our group decided to create an online smartphone sales website.

1.2 Assignment Table

	ID	Name	Task	
1	1952748	Nguyen Ba Minh Hung	User View Front-end	100%
2	1952703	Pham Nhat Hoang	Admin View Front-end	100%
3	1952386	Tran Tien Phat	Database	100%

All three members are responsible for the Back-end and other parts.

1.3 Roles

There are two main roles on the website:

- **Admin**

- This is the website administrator.
- Can directly edit everything on the website including the interface, database, etc.
- Can view the store's statistical data (revenue, sales, etc).
- Can accept or reject customer orders.
- Can edit orders or can create orders on behalf of customers.
- Can send notifications to customers if problems arise.
- Can hide a product on the product list.

- **User**

- As a customer using the service at the store.
- Log in to the system with the customer's account.
- Create orders and edit orders according to customer preferences.
- Can add, remove or edit quantity or products included in the order.
- Provided and supported with various payment methods from domestic (domestic banks, e-wallets, etc) to international (VISA, PayPal, etc).



2 Defining Requirements

2.1 Project Requirements

- Contains features needed for a “like-real” website, such as CellphoneS, Phong Vu, Nguyen Kim, etc.
- Smartphone categories (different brand names, different OS, etc).
- Database.
- Login/Logout for different users (admin, staffs, users, etc).
- Show info about different stores in different locations with Google maps.
- Apply responsive design to the website.
- Apply SEO to the code.
- Use appropriate colors to the website.

2.2 Functional Requirements

- Access authentication: Users can create accounts, log in to the web with different permissions to modify data:
 - Customers can modify personal data, view transaction history.
 - Only employees can use the phone list management function, manage orders and view sales statistics.
- View phone list: Users can search for phones based on color, model code, style, price, brand, etc.
- Ordering: Customers can order (add, remove, cancel) orders as required.
- Manage phone listings:
 - Employees can edit information about phone items.
 - Add or remove categories, phones.
- Order management: Staff can update order status (Delivering/Completed).
- Revenue statistics: Staff statistics the number of orders, revenue, best-selling phone models, etc.

2.3 Non-functional Requirements

- The system works 24/7.
- Function response time < 3s.
- Available on many devices (laptop/tablet/phone).
- Customer information is not disclosed to the outside.
- The number of simultaneous accesses is about 100 people.
- Website interface must be simple, intuitive and easy to use for users.



3 Technologies

3.1 HTML

HTML stands for Hyper Text Markup Language, it is the standard markup language for creating Web pages. HTML describes the structure of a Web page and consists of a series of elements which will tell the browser how to display the content.

With HTML, we will be able to:

- Add titles, paragraph formatting, line breaks controls.
- Create lists, emphasize text, create special characters, insert images, create links.
- Build tables, control some models.

In this project, we will use HTML to display necessary content of our web page such as image, reference and form.

3.2 CSS

CSS stands for Cascading Style Sheets. It describes how HTML elements are to be displayed on screen, paper, or in other media. CSS can save a lot of work as it can control the layout of multiple web pages all at once.

Using CSS, we can:

- Styling and styling elements written in a markup language, like HTML.
- Save effort by controlling the format of multiple web pages.
- Distinguish the appearance of the web page from the main content of the page by controlling the layout, colors, and fonts.

Because of properties of CSS, we may use them to make our web page like real and professional.

3.3 Bootstrap

Bootstrap is the most popular CSS Framework for developing responsive and mobile-first websites. It can represent the content suitably in different platform.

We may use Bootstrap to display the web page content responsively that user can use our web page in different platform.

3.4 JavaScript

JavaScript has the effect of helping to change the website from static to dynamic, creating interactions to improve server performance and enhance user experience. The simple, JavaScript is language that is widely used when combined with HTML/CSS for dynamic web design. JavaScript help user to:

- Easy to get started with small steps, with gallery images, variable layouts... thanks to flexibility JavaScript operations.
- Enhanced browser behavior and default checking.



3.5 PHP

PHP is a server-side scripting language designed specifically for web development. It is open-source which means it is free to download and use. It is very simple to learn and use. There are lots of reasons why our team uses PHP:

- It can be integrated with many databases such as Oracle, Microsoft SQL Server, MySQL.
- PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file.
- PHP codes are executed on the server whereas HTML codes are directly rendered on the browser. PHP codes are first executed on the server and then the result is returned to the browser.
- PHP files can support other client-side scripting languages like CSS and JavaScript.

3.6 AJAX

Ajax is an acronym for Asynchronous Javascript and XML. It is used to communicate with the server without refreshing the web page and thus increasing the user experience and better performance.

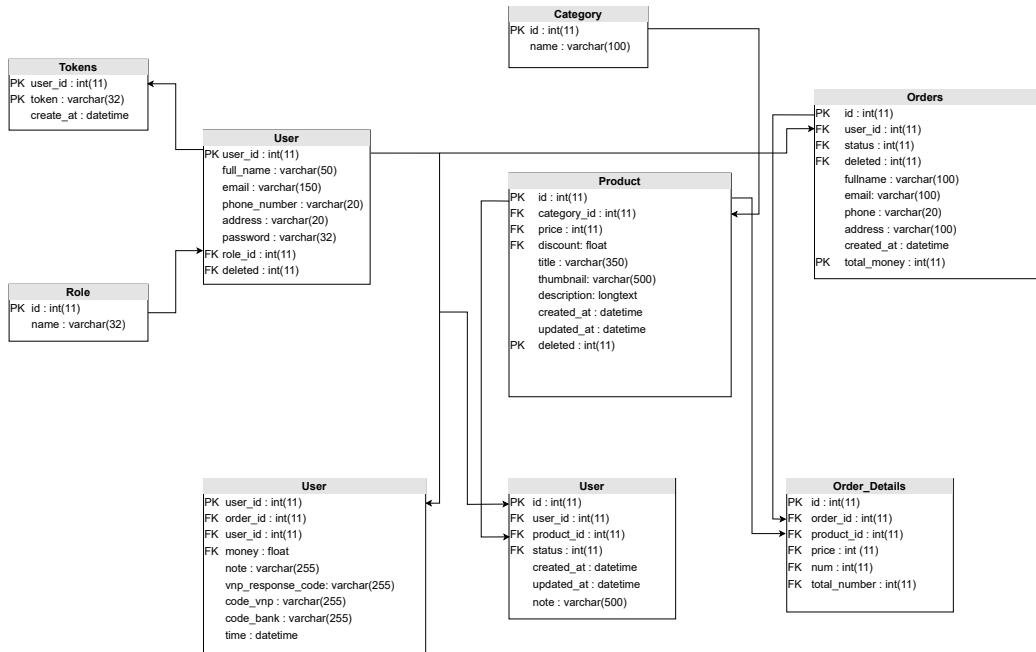
In our project we use Ajax because we can:

- Update a web page without reloading the page.
- Request data from a server - after the page has loaded.
- Receive data from a server - after the page has loaded.
- Send data to a server - in the background.

4 Designing the Website Architecture

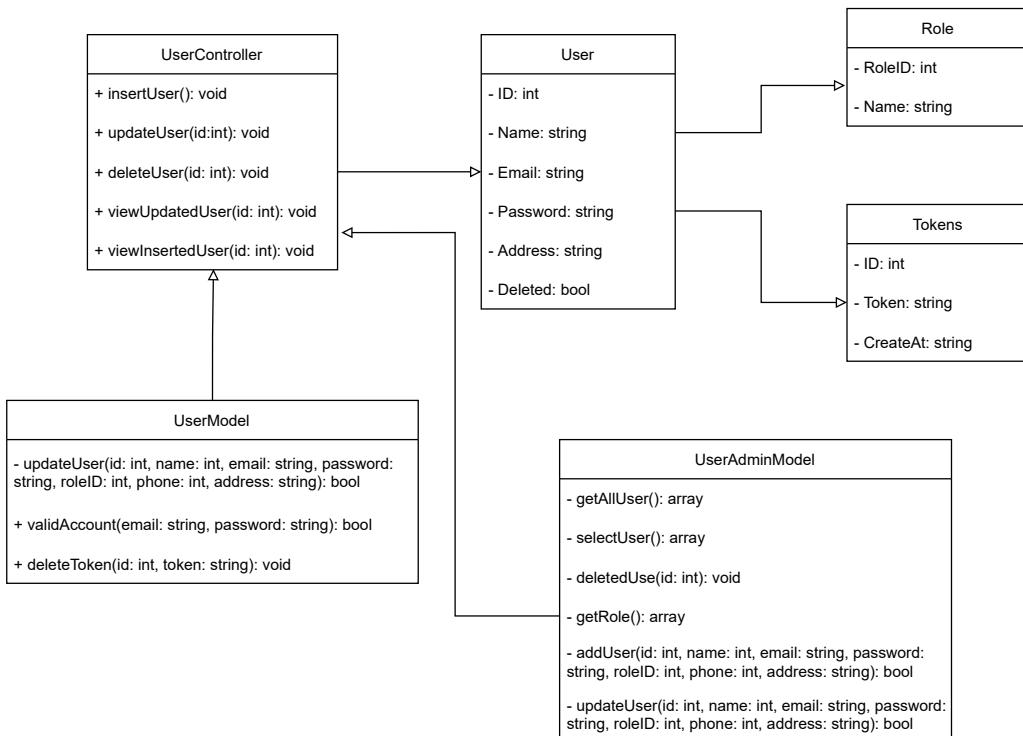
Please note that all figures in this report are presented as **Portable Document Format (PDF)** files, so if you find them blurry or unclear, please zoom in for a better view.

4.1 Database Diagram



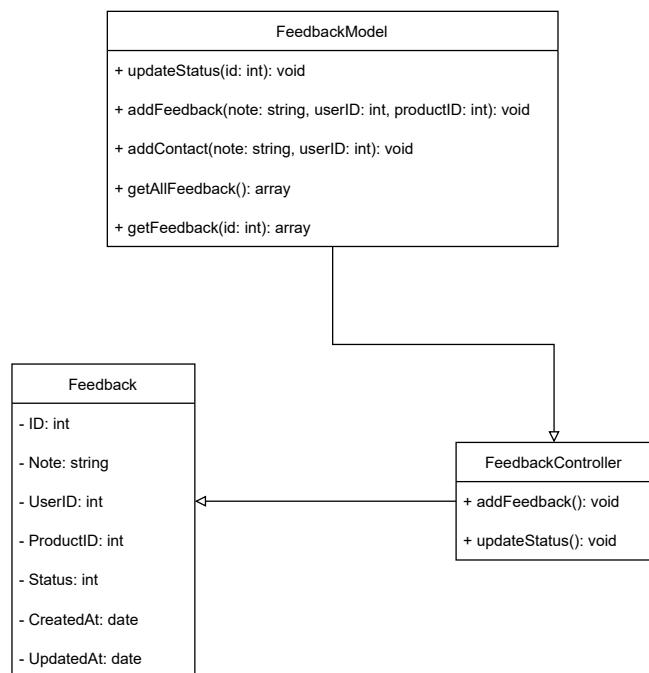
4.2 Class Diagram

4.2.1 User Class Diagram

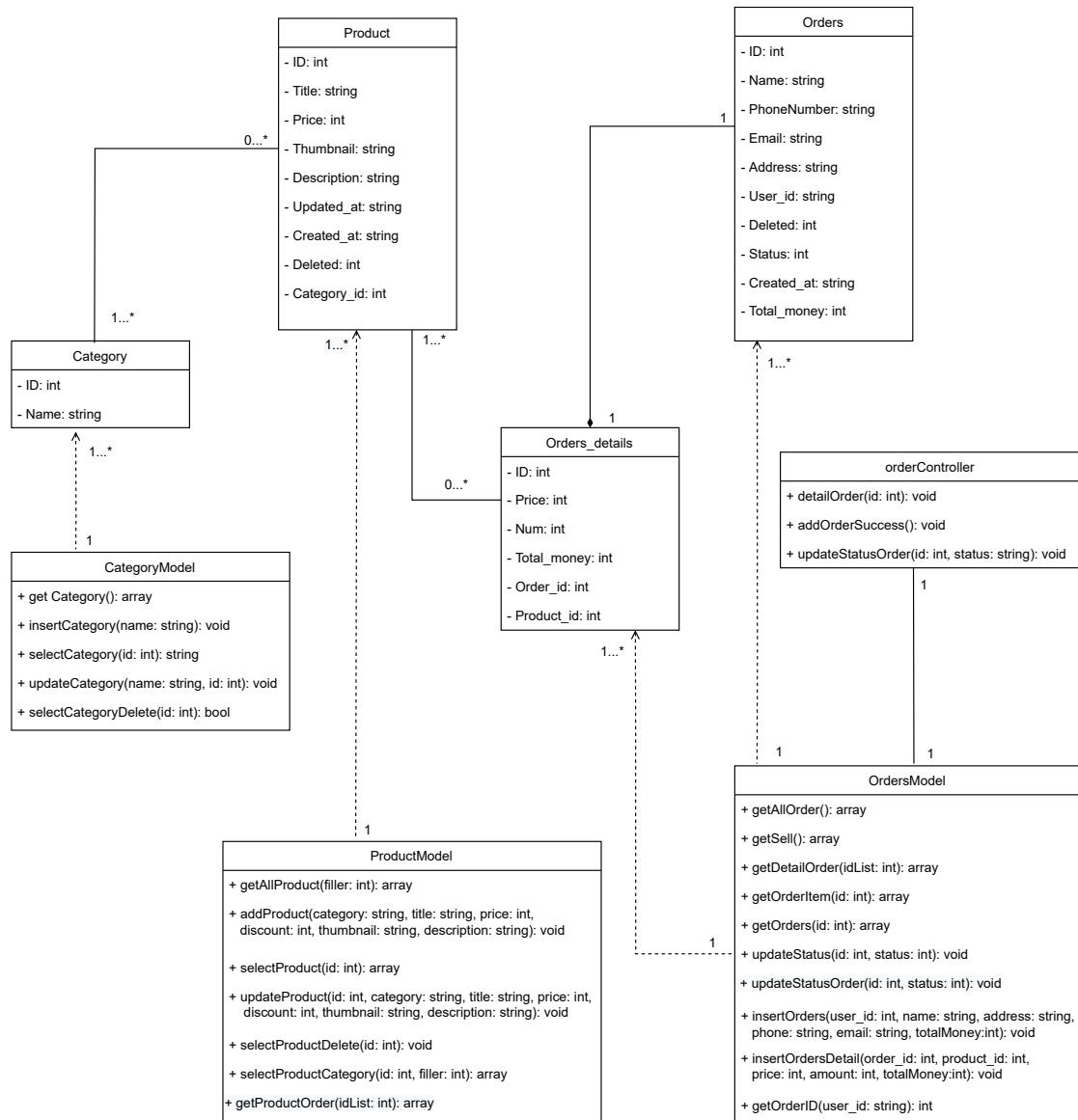




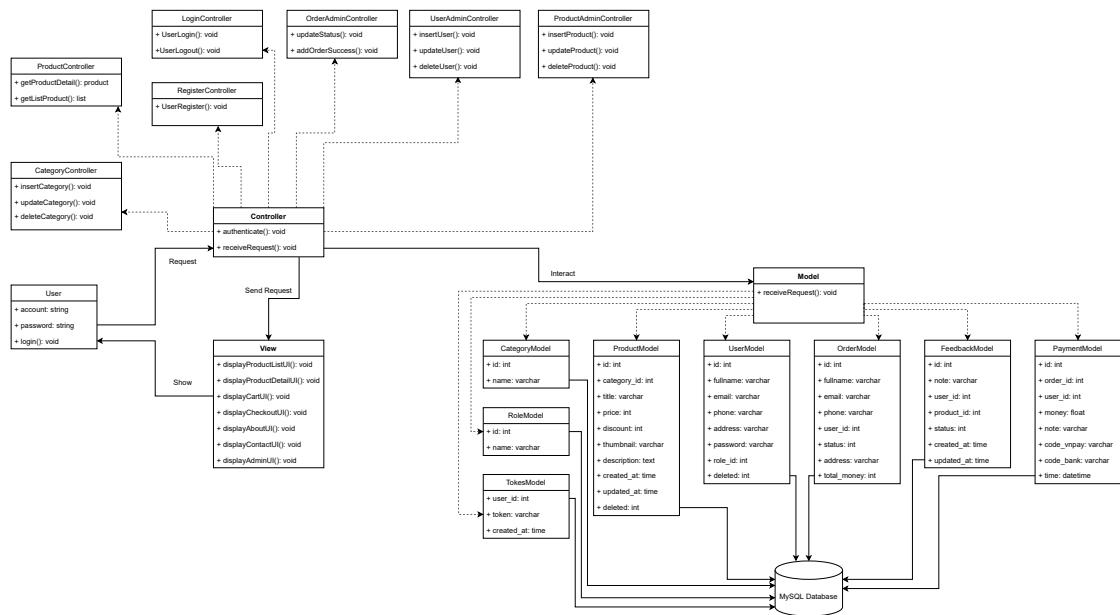
4.2.2 Feedback Class Diagram



4.2.3 Order Class Diagram



4.3 MVC Model



5 Designing the Website Database

We deploy our website database on MariaDB.

5.1 Table Category

The screenshot shows the phpMyAdmin interface for the 'category' table in the 'bkstore' database. The table structure includes columns for 'id' (int) and 'name' (varchar). There are 109 rows of data, with the first few entries being:

	id	name
1	1	Vsmart
2	2	iPhone
3	3	Samsung
4	102	Xiaomi
5	104	Oppo
6	105	Nokia
7	109	Apple

Table **category** is used to store product catalogs.



5.2 Table Feedback

The screenshot shows the phpMyAdmin interface for the 'feedback' table in the 'bkstore' database. The table has columns: id, note, user_id, product_id, created_at, updated_at, and status. The data shows five rows of customer feedback entries.

	id	note	user_id	product_id	created_at	updated_at	status
<input type="checkbox"/>	53	Chủ đề Hello- Nội dung Tester	55	48	2022-06-05 07:17:08	2022-06-05 07:17:08	0
<input type="checkbox"/>	54	Good!	55	21	2022-06-05 07:17:29	2022-06-05 07:17:29	0
<input type="checkbox"/>	55	Chủ đề Test_2- Nội dung None	55	48	2022-06-05 07:20:33	2022-06-05 07:20:33	0
<input type="checkbox"/>	56	Chủ đề Tester- Nội dung Tester	56	48	2022-06-05 07:21:07	2022-06-05 09:11:27	0
<input type="checkbox"/>	57	Chủ đề Alo- Nội dung Alo	55	48	2022-06-05 09:46:55	2022-06-05 09:47:25	0

Table **feedback** is used to store customer feedback (in the product and contact section).

5.3 Table Order

The screenshot shows the phpMyAdmin interface for the 'orders' table in the 'bkstore' database. The table has columns: id, fullname, email, phone, user_id, status, deleted, address, created_at, and total_money. The data shows multiple user order entries.

	id	fullname	email	phone	user_id	status	deleted	address	created_at	total_money
<input type="checkbox"/>	43	tester	tester@gmail.com	1234	56	3	0	HCMUT	2022-01-01 06:38:29	169950000
<input type="checkbox"/>	44	tester	tester@gmail.com	12345	56	3	0	HCMUT2	2022-02-02 11:39:03	30900000
<input type="checkbox"/>	45	tester_1	tester_1@gmail.com	1234	56	3	0	tester_1	2022-03-03 06:48:12	5490000
<input type="checkbox"/>	46	tester2	tester2@gmail.com	1234	56	3	0	1234	2022-04-04 06:51:26	5490000
<input type="checkbox"/>	47	tester	1234@gmail.com	1234	56	3	0	1234	2022-05-05 11:51:58	25000000
<input type="checkbox"/>	48	tester	tester@gmail.com	1234	56	3	0	HCMUT	2022-06-06 07:08:56	35050000
<input type="checkbox"/>	49	tester	tester@gmail.com	1234	56	3	0	HCMUT	2022-07-07 07:09:12	21980000
<input type="checkbox"/>	50	tester	tester@gmail.com	1234	56	3	0	1234	2022-08-08 07:09:29	8990000
<input type="checkbox"/>	51	tester2	tester2@gmail.com	1234	56	3	0	1234	2022-09-09 07:10:22	6090000
<input type="checkbox"/>	52	tester2	1@yahoo.com	1234	56	3	0	1234	2022-10-10 07:11:34	28000000
<input type="checkbox"/>	53	tester2	test@gmail.com	1234	56	3	0	1234	2022-11-11 07:11:51	25990000
<input type="checkbox"/>	54	tester	tester@gmail.com	1234	56	3	0	HCMUT	2022-12-12 07:12:07	115970000
<input type="checkbox"/>	55	test_ip	1234@yahoo.com	1234	56	3	0	1234	2022-06-05 14:40:25	33990000
<input type="checkbox"/>	56	test_ip_2	tester2@gmail.com	1234	56	3	0	1234	2022-06-05 09:40:55	33990000

Table **order** is used to store user order information.



5.4 Table Order_Details

The screenshot shows the phpMyAdmin interface for the 'order_details' table in the 'bkstore' database. The table structure is defined by the following SQL query:

```
SELECT * FROM `order_details`
```

The table has columns: id, order_id, product_id, price, num, total_money. The data grid displays 18 rows of order details. The last row, with id 88, is highlighted.

	id	order_id	product_id	price	num	total_money
1	78	43	21	33990000	5	169950000
2	79	44	1	30900000	1	30900000
3	80	45	33	5490000	1	5490000
4	81	46	33	5490000	1	5490000
5	82	47	7	25000000	1	25000000
6	83	48	7	25000000	1	25000000
7	84	48	35	4950000	1	4950000
8	85	48	39	5100000	1	5100000
9	86	49	45	21990000	1	21990000
10	87	50	34	8990000	1	8990000
11	88	51	37	6090000	1	6090000

Table **order_details** is used to store order details.

5.5 Table Payment

The screenshot shows the phpMyAdmin interface for the 'payments' table in the 'bkstore' database. The table structure is defined by the following SQL query:

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

The table has columns: id, order_id, user_id, money, note, vnp_response_code, code_vnpay, code_bank, time. The data grid shows an empty result set.

	id	order_id	user_id	money	note	vnp_response_code	code_vnpay	code_bank	time
1				số tiền thanh toán	ghi chú thanh toán	mã phản hồi	mã giao dịch vnpay	mã ngân hàng	thời gian chuyển khoản

Table **payment** is used to store the user's online payment information (via VNPay).



5.6 Table Product

The screenshot shows the phpMyAdmin interface for the 'product' table in the 'bkstore' database. The table has columns: id, category_id, title, price, discount, thumbnail, description, and created_. There are 7 rows of data:

			id	category_id	title	price	discount	thumbnail	description	created_
			1	2	iPhone Max	30900000	32990000	https://image.cellphones.com.vn/358x/media/catalog...		2021-10-
			2	2	iPhone 13 Pro VN/A	30990000	NULL	https://image.cellphones.com.vn/358x/media/catalog...	NULL	2021-10-
			3	2	iPhone 12 Pro 128GB	19000000	19900000	https://image.cellphones.com.vn/358x/media/catalog...		2021-10-
			4	2	iPhone 12 Pro	28000000	30990000	https://image.cellphones.com.vn/358x/media/catalog...		2021-10-
			5	3	Samsung Galaxy Note 20 Ultra 5G	21500000	32990000	https://image.cellphones.com.vn/358x/media/catalog...	NULL	2021-10-
			6	3	Samsung Galaxy Z Flip3 5G	23990000	24990000	https://image.cellphones.com.vn/358x/media/catalog...	NULL	2021-10-
			7	3	Samsung Galaxy S21 Ultra 5G	25000000	30990000	https://image.cellphones.com.vn/358x/media/catalog...	NULL	2021-10-

Table **product** is used to store product-specific information.

5.7 Table Role

The screenshot shows the phpMyAdmin interface for the 'role' table in the 'bkstore' database. The table has columns: id and name. There are 2 rows of data:

			id	name
			1	User
			2	Admin

Table **role** is used to assign account permissions.



5.8 Table Tokens

The screenshot shows the phpMyAdmin interface for the 'tokens' table in the 'bkstore' database. The left sidebar lists various tables: New, category, feedback, orders, order_details, payments, product, role, tokens, user, information_schema, mysql, performance_schema, phpmyadmin, and test. The 'tokens' table is selected. The main area displays the results of the query: 'SELECT * FROM `tokens`'. The results show four rows:

	user_id	token	created_at
1	55	0b59eb5adc31e85e6540c91562afca8a	2022-06-06 17:01:35
2	55	0e60521fee975cd08f2997f22ae6bb6be	2022-06-06 06:35:37
3	56	1d1d7bc20388626c9d6d0d5973af8b9a	2022-06-05 06:38:00
4	56	fe5e548aae5b97589610bfde04745d33	2022-06-05 09:39:41

Table **tokens** is used to store product-specific information.

5.9 Table User

The screenshot shows the phpMyAdmin interface for the 'user' table in the 'bkstore' database. The left sidebar lists various tables: New, category, feedback, orders, order_details, payments, product, role, tokens, user, information_schema, mysql, performance_schema, phpmyadmin, and test. The 'user' table is selected. The main area displays the results of the query: 'SELECT * FROM `user`'. The results show three rows:

	id	fullname	email	phone_number	address	password	role_id	deleted
1	55	Admin	admin@gmail.com	1234	1234	b4cbd48886a5331c5eb2fedadabe311c	2	0
2	56	tester	tester@gmail.com	1234	1234	b4cbd48886a5331c5eb2fedadabe311c	1	0
3	57	tester2	tester2@gmail.com	123456	123456	b4cbd48886a5331c5eb2fedadabe311c	1	0

Table **user** is used to store the login session when the user logs into the website.

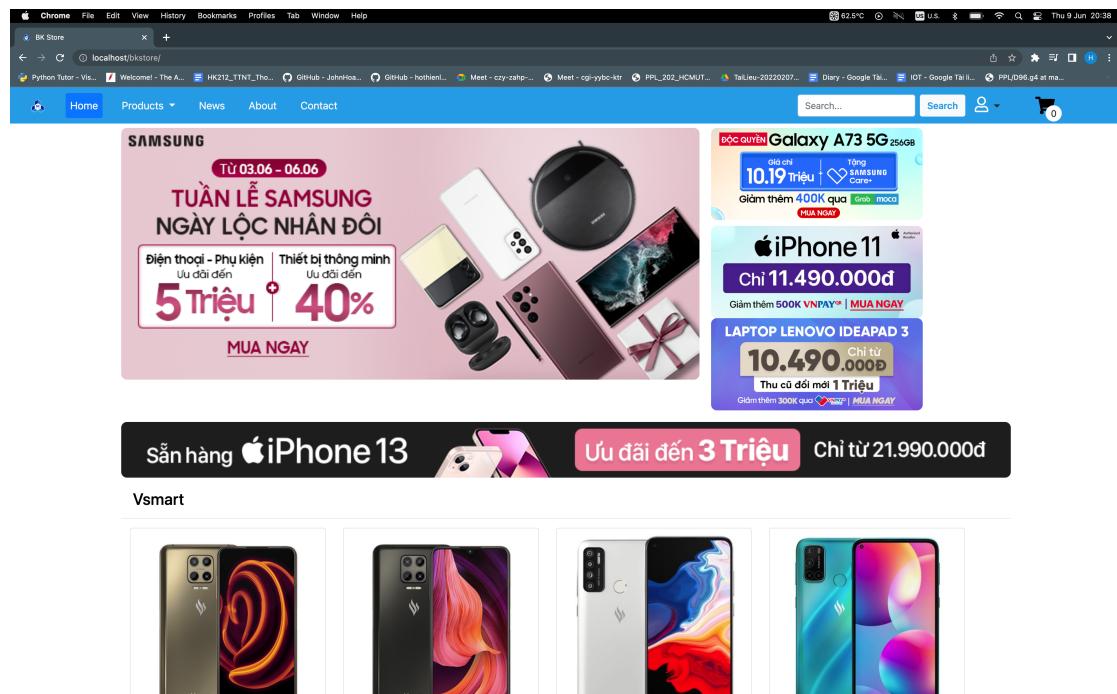
6 Screen Flow

6.1 User View

This is the main interface when users access.



6.1.1 Homepage



Home page with banners and trending product lists.



6.1.2 Product

The screenshot shows a web browser displaying the 'BK Store' product page. The top navigation bar includes links for Home, Products, News, About, and Contact, along with a search bar and a user icon. Below the navigation, there are two rows of product categories: 'Products' (All, Vsmart, iPhone, Samsung, Xiaomi, Oppo, Nokia, Apple) and 'Filter' (Price (High > Low), Price (Low > High), Name (A > Z), Name (Z > A)). A message indicates '44 products in total (From: 1 -> 12)'. The main content area displays four product cards per row:

Product Image	Name	Description	Price	Action
	MacBook Pro 14 inch 2022	Authorised Reseller	95,990,000đ	Order
	Samsung Galaxy Z Fold3 5G	Authorised Reseller	40,990,000đ	Order
	iPhone 13 Pro Max Chính hãng VN/A	Authorised Reseller	33,990,000đ	Order
	iPhone 13 Pro Chính hãng VN/A	Authorised Reseller	30,990,000đ	Order

Product page with categories and filters.



6.1.3 News

The screenshot shows a web browser window with the URL localhost/bkstore/Home/news. The page displays three news articles:

- Vsmart Phone**: Free 4G high-speed 10GB/Month for 18 months - The first virtual Vsmart technology Outstanding configuration, powerful experience - 8-core Helio G35 chip, 3GB RAM Ultra-wide screen, watching movies at leisure - IPS screen 6.528-inch LCD, ultra-thin bezel Use all day long - 5000mAh battery, 15W fast charging.
- Super thin black Vsmart phone**: Free 4G high-speed 10GB/Month for 18 months - The first virtual Vsmart technology Outstanding configuration, powerful experience - 8-core Helio G35 chip, 3GB RAM Ultra-wide screen, watching movies at leisure - IPS screen 6.528-inch LCD, ultra-thin bezel Use all day long - 5000mAh battery, 15W fast charging.
- Super new iPhone phone**: Free 4G high-speed 10GB/Month for 18 months - The first virtual Vsmart technology Outstanding configuration, powerful experience - 8-core Helio G35 chip, 3GB RAM Ultra-wide screen, watching movies at leisure - IPS screen 6.528-inch LCD, ultra-thin bezel Use all day long - 5000mAh battery, 15W fast charging.

Below the news articles is a footer navigation bar with links to About us, Trending, Support, and Contact us. The footer also includes copyright information and a disclaimer.

News about fresh technologies or new flagships.



6.1.4 About

About Us

BK Store is a branch of BKU PhoneStore group, located in a prime location in the center of District 10, City. Ho Chi Minh. We are committed to bringing the best quality products at the most competitive prices on the market today.

With the motto: "All for the trust of customers". We always try to give our customers the best!



About us	Trending	Support	Contact us
Development Team Pham Nhat Hoang Nguyen Ba Minh Hung Tran Tien Phat	Vsmart iPhone Samsung Oppo	Account Management Help News Contact	HCM University of Technology 0123 456 789 bkstore@co3050.hcmut.edu.vn Working 24/7

More about us.



6.1.5 Contact

The screenshot shows a web browser window for the 'BK Store' website. The top navigation bar includes Home, Products, News, About, and Contact. The Contact Us section contains a map of Saigon and its surroundings, with a callout pointing to 'BK Main Campus Location'. Below the map is a contact form with fields for Topic and Details, and a Send button. To the right of the form are icons for location (HCM University of Technology), phone (0123 456 789), and email (bkstore@co3050.hcmut.edu.vn). The bottom section, 'Official Locations', lists the Main Campus, Dorm, and Base 2 addresses. A blue circular arrow icon is in the bottom right corner.

Contact Us

Do you have any questions for us? Please do not hesitate to ask. We will reply you as soon as possible!

Topic

Details

Send

Official Locations

Main Campus - 268 Ly Thuong Kiet Street, District 10, HCMC

Dorm - 497 Hoa Hao, Ward 7, District 10, HCMC

Base 2 - Vietnam National University, HCMC



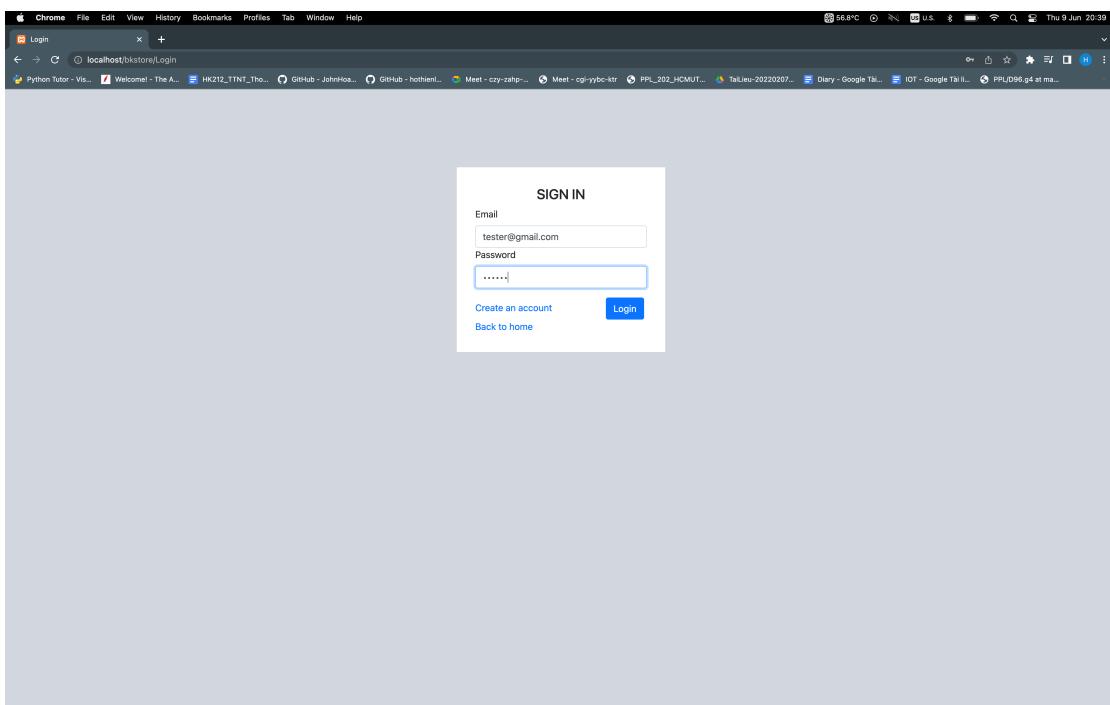
6.1.6 Sign In/Sign Up

The screenshot shows a 'SIGN UP' registration form. The fields required are:

- Full name (with a 'Name' input field)
- Email (with a 'Email' input field)
- Password (with a 'Password' input field)
- Phone number (with a 'Phone' input field)
- Address (with a 'Address' input field)

At the bottom of the form, there are two links: 'Have an account?' and 'Register'.

Sign Up page.



Sign In page.

6.1.7 Cart

6.2 Admin View

The following is the interface when the admin clicks on the corresponding pages on the menu bar side.

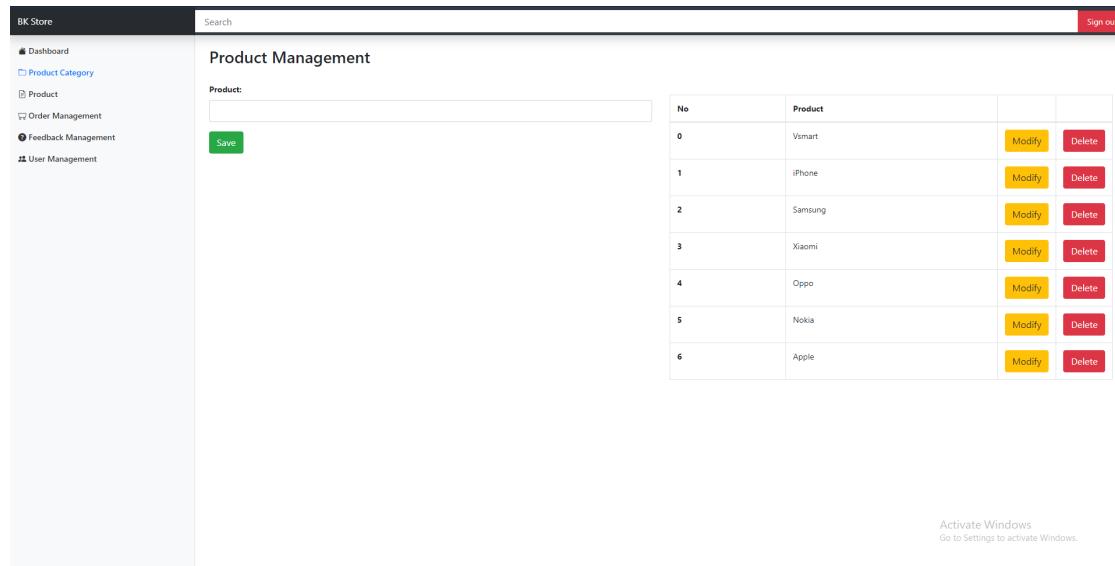


6.2.1 Dashboard



Dashboard page is used to show the monthly sales.

6.2.2 Product Category



Use to add or modify product category.



6.2.3 Product

No	Thumbnail	Product	Price	Category	Modify	Delete
0		MacBook Pro 14 inch 2022	95,990,000 VND	Apple	<button>Modify</button>	<button>Delete</button>
1		Samsung Galaxy Z Fold3 5G	40,990,000 VND	Samsung	<button>Modify</button>	<button>Delete</button>
2		iPhone 13 Pro Max Chính hãng VN/A	33,990,000 VND	iPhone	<button>Modify</button>	<button>Delete</button>
3		iPhone 13 Pro Chính hãng VN/A	30,990,000 VND	iPhone	<button>Modify</button>	<button>Delete</button>
4		iPhone 12 Pro Max	30,900,000 VND	iPhone	<button>Modify</button>	<button>Delete</button>
5		iPhone 12 Pro	28,000,000 VND	iPhone	<button>Activate Windows Go to Settings to activate Windows.</button>	<button>Delete</button>

This site use to modify each product like description, price, etc.

6.2.4 Order Management

No	Full name	Email	Total	Date	Status
0	tester	tester@gmail.com	115,970,000 ₫	2022-12-12 07:12:07	Transfer success
1	tester2	test@gmail.com	25,990,000 ₫	2022-11-11 07:11:51	Transfer success
2	tester2	1@yahoo.com	20,000,000 ₫	2022-10-10 07:11:34	Transfer success
3	tester2	tester2@gmail.com	6,090,000 ₫	2022-09-09 07:10:22	Transfer success
4	tester	tester@gmail.com	8,990,000 ₫	2022-08-08 07:09:29	Transfer success
5	tester	tester@gmail.com	21,990,000 ₫	2022-07-07 07:09:12	Transfer success
6	tester	tester@gmail.com	35,050,000 ₫	2022-06-06 07:08:56	Transfer success
7	test_ip	1234@yahoo.com	33,990,000 ₫	2022-06-05 14:40:25	Transfer success
8	test_ip_2	tester2@gmail.com	33,990,000 ₫	2022-06-05 09:40:55	Transfer success
9	tester	1234@gmail.com	25,000,000 ₫	2022-05-05 11:51:58	Transfer success
10	tester2	tester2@gmail.com	5,490,000 ₫	2022-04-04 06:51:26	Transfer success
11	tester_1	tester_1@gmail.com	5,490,000 ₫	2022-03-03 06:48:12	Transfer success
12	tester	tester@gmail.com	30,900,000 ₫	2022-02-02 11:39:03	Transfer success
13	tester	tester@gmail.com	169,950,000 ₫	2022-01-01 06:38:29	Activate Windows Go to Settings to activate Windows.

Check every order status, admin can accept or decline any payment.



6.2.5 Feedback Management

The screenshot shows a web application interface for 'Feedback Management'. On the left, there is a sidebar with navigation links: Dashboard, Product Category, Product, Order Management, Feedback Management (which is highlighted in blue), and User Management. The main content area has a title 'Feedback Management' and a search bar at the top right. Below the search bar is a table with the following columns: No, Name, Phone Number, Email, Product, Details, Date, and a 'Seen' button. There are five rows of data in the table:

No	Name	Phone Number	Email	Product	Details	Date	Seen
0	Admin	1234	admin@gmail.com		Chủ đề Alo- Nói dưng Alo	2022-06-05 09:47:25	<button>Seen</button>
1	tester	1234	tester@gmail.com		Chủ đề Tester- Nói dưng Tester	2022-06-05 09:11:27	<button>Seen</button>
2	Admin	1234	admin@gmail.com		Chủ đề Test_2- Nói dưng None	2022-06-05 07:20:33	<button>Seen</button>
3	Admin	1234	admin@gmail.com	iPhone 13 Pro Max Chính hãng VN/A	Good!	2022-06-05 07:17:29	<button>Seen</button>
4	Admin	1234	admin@gmail.com		Chủ đề Hello- Nói dưng Tester	2022-06-05 07:17:08	<button>Seen</button>

At the bottom right of the main content area, there is a message: 'Activate Windows Go to Settings to activate Windows.'

Customer feedback on other products or topics.

6.2.6 User Management

The screenshot shows a web application interface for 'User Management'. On the left, there is a sidebar with navigation links: Dashboard, Product Category, Product, Order Management, Feedback Management (highlighted in blue), and User Management. The main content area has a title 'User Management' and a 'New account' button at the top. Below the button is a table with the following columns: No, Full name, Email, Phone Number, Address, Permission, Modify, and Delete. There are three rows of data in the table:

No	Full name	Email	Phone Number	Address	Permission	Modify	Delete
0	Admin	admin@gmail.com	1234	1234	Admin	<button>Modify</button>	<button>Delete</button>
1	tester	tester@gmail.com	1234	1234	User	<button>Modify</button>	<button>Delete</button>
2	tester2	tester2@gmail.com	123456	123456	User	<button>Modify</button>	<button>Delete</button>

At the bottom right of the main content area, there is a message: 'Activate Windows Go to Settings to activate Windows.'

Modify or delete accounts.



6.2.7 Sign Out

BK Store		Order Details			Sign out		
	Search	No	Full name	Email	Total	date	
		0	tester	tester@gmail.com	115,970,000 ₫	2022-12-12 07:12:07	Transfer success
		1	tester2	test@gmail.com	25,990,000 ₫	2022-11-11 07:11:51	Transfer success
		2	tester2	1@yahoo.com	25,000,000 ₫	2022-10-10 07:11:34	Transfer success
		3	tester2	tester2@gmail.com	6,090,000 ₫	2022-09-09 07:10:22	Transfer success
		4	tester	tester@gmail.com	8,990,000 ₫	2022-08-08 07:09:29	Transfer success
		5	tester	tester@gmail.com	21,990,000 ₫	2022-07-07 07:09:12	Transfer success
		6	tester	tester@gmail.com	35,050,000 ₫	2022-06-06 07:08:56	Transfer success
		7	test_ip	1234@yahoo.com	33,990,000 ₫	2022-06-05 14:40:25	Transfer success
		8	test_ip_2	tsster2@gmail.com	33,990,000 ₫	2022-06-05 09:40:55	Transfer success
		9	tester	1234@gmail.com	25,000,000 ₫	2022-05-05 11:51:58	Transfer success
		10	tester2	tester2@gmail.com	5,490,000 ₫	2022-04-14 06:51:26	Transfer success
		11	tester_1	tester_1@gmail.com	5,490,000 ₫	2022-03-03 06:48:12	Transfer success
		12	tester	tester@gmail.com	30,900,000 ₫	2022-02-02 11:39:03	Transfer success
		13	tester	tester@gmail.com	169,950,000 ₫	2022-01-01 06:38:29	Activate Windows Go to Settings to activate Windows. Transfer success

When an admin account sign out it will redirect to homepage.

7 Testing the Website

7.1 Running

First, go to our [GitHub repository](#) and download our project to your computer.
Or you can copy this command and run it in terminal to clone it:

```
git clone https://github.com/CSEK19/hcmut-bkstore.git
```

Make sure that you have [XAMPP](#) or [LAMP](#) (or any program that is a Local Development Servers) already installed on your computer to run the server.



The screenshot shows a GitHub repository page for 'CSEK19/hcmut-bkstore'. The repository has 33 commits, with the most recent being a 'Update' to 'mvc' 21 minutes ago. The README.md file contains the following content:

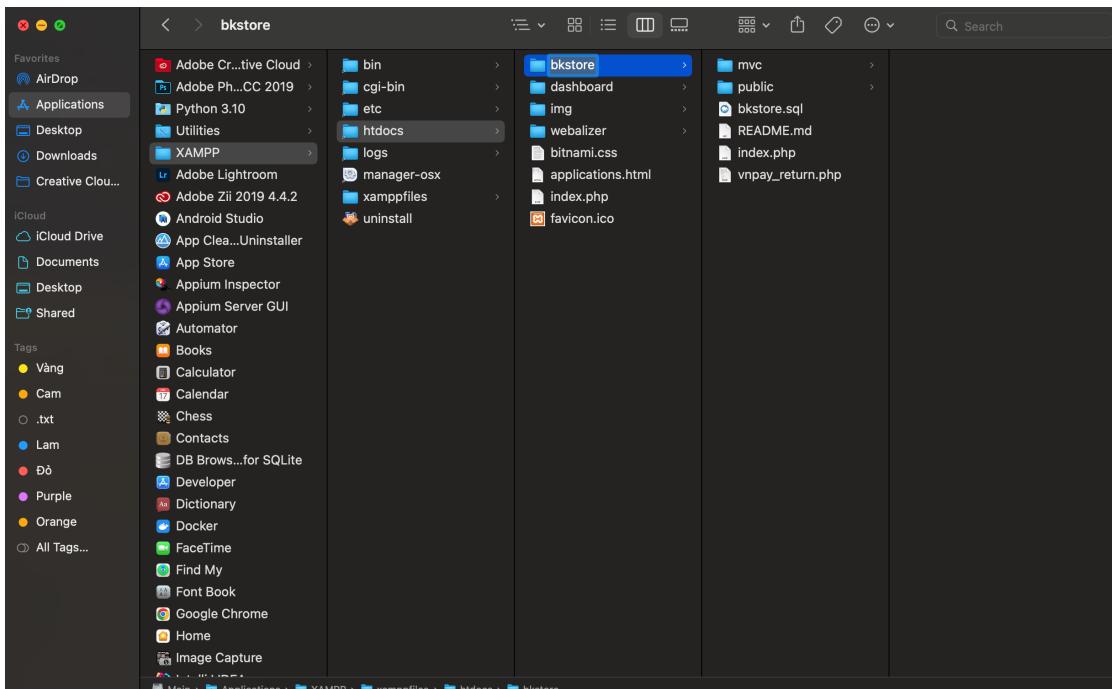
```
Smartphone Online Store
Assignment of Web Programming (CO3049) in semester HK212 at HCMUT.
```

On the right side of the page, there are sections for About, Releases, Packages, Contributors, and Languages. The Languages section shows the following distribution:

Language	Percentage
SCSS	26.9%
Less	24.4%
PHP	19.5%
CSS	15.2%
JavaScript	13.3%
Hack	0.7%

This is our GitHub repository look like.

Then unzip and move it to **htdocs** folder and rename to **bkstore**.



The file directory similar to the picture.

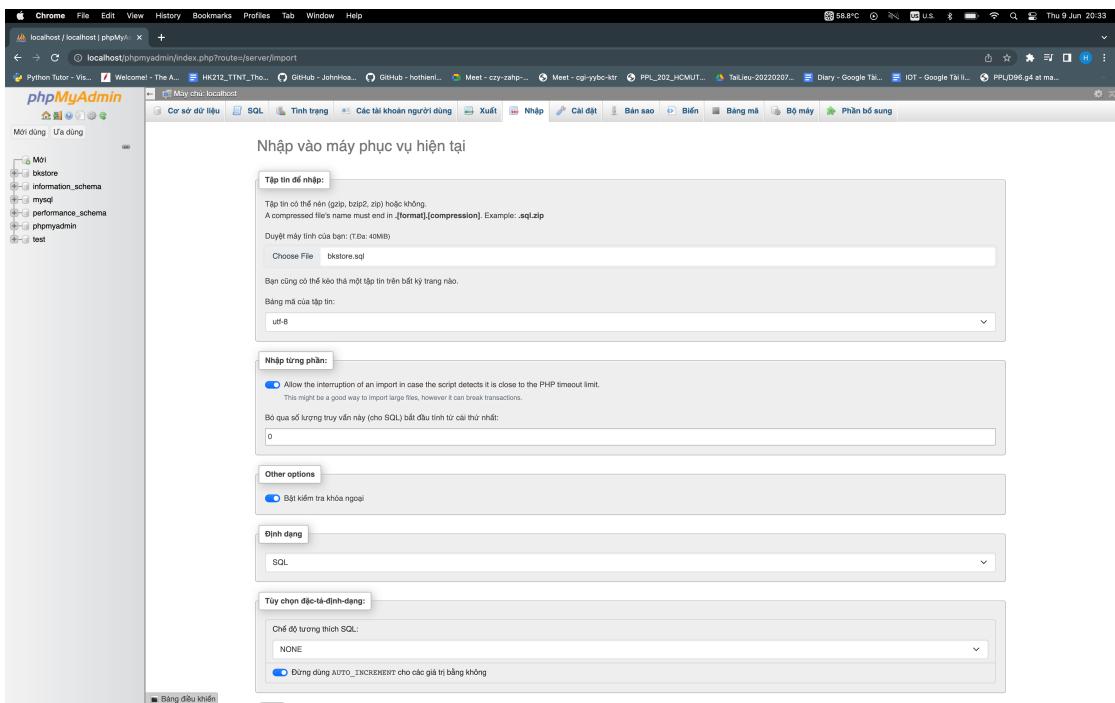


Next is to open your XAMPP server, go to <http://localhost/phpmyadmin> create new database for the website. You have to name it as **bkstore**.

The screenshot shows the phpMyAdmin interface on a Windows operating system. The title bar says "Máy chủ: localhost". The left sidebar lists databases: Mới, bkstore, information_schema, mysql, performance_schema, phpmyadmin, and test. The main panel is titled "Cơ sở dữ liệu" (Data Source) and shows a sub-panel titled "Tạo cơ sở dữ liệu" (Create Database). A text input field contains "bkstore" and a dropdown menu shows "utf8mb4_general_ci". A large blue "Tạo" (Create) button is visible. Below this, a table lists existing databases with their character sets and collations, all marked with a checkbox and labeled "Kiểm tra đặc quyền" (Check privileges). The table includes rows for information_schema, mysql, performance_schema, phpmyadmin, and test. A note at the bottom of the table says "Tổng cộng: 6". A warning message at the bottom left says "Chú ý: Việc bắt thông kê cơ sở dữ liệu ở đây có thể dẫn đến lưu lượng tăng cao giữa máy phục vụ web và dịch vụ MySQL." (Warning: Capturing statistics for this database here may lead to high traffic between the web server and the MySQL service.)

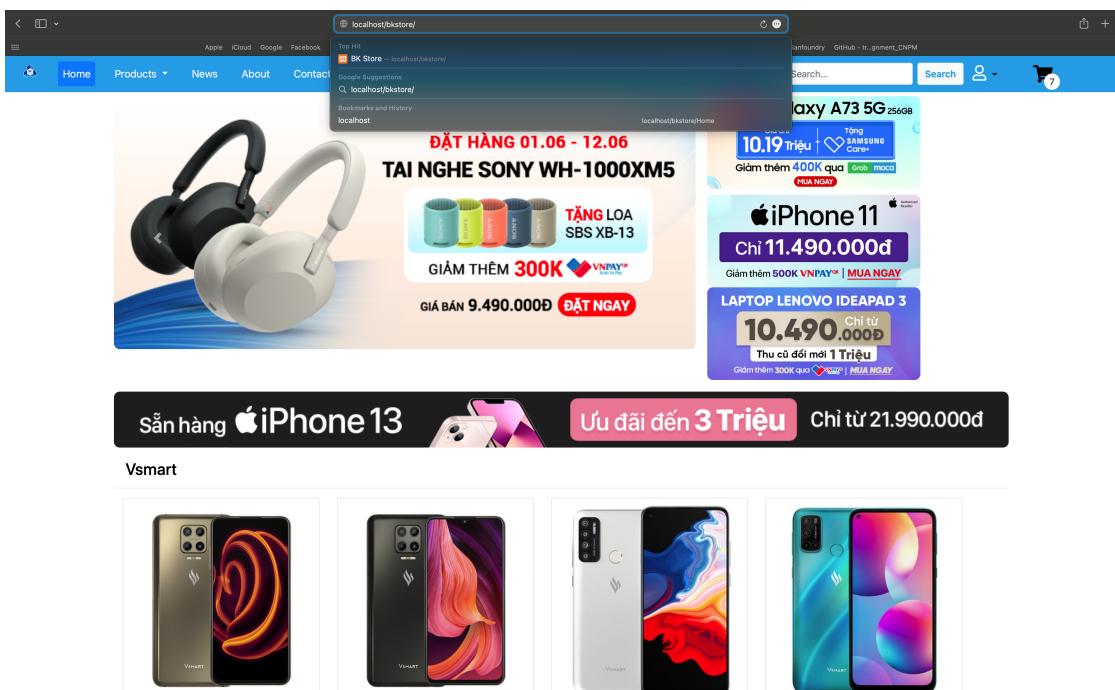
Modify new database name to **bkstore**.

In our source code folder already have an sql database file name **bkstore.sql**. All you need is to import that file into your new database.



The process looks like above figure.

Finally, go to <http://localhost/bkstore> and you can test our website.





7.2 GitHub

You can learn more about our project by visiting this [GitHub repository](#).

8 References

References

- [1] Bootstrap v5.2 Documentation. <https://getbootstrap.com/docs/5.2>.
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- [3] CSS Tutorial. <https://www.w3schools.com/css>.
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