

---

# **Group3**

---

**TechStore  
UI Prototype Document**

**Version 1.0**

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

#### Revision History

Date	Version	Description	Author
17/July/22	1.0	Initial Expectations	Nguyen Thai Hiep Duong Quang Binh Doan Anh Duong Phung Nghia Phuc Le Nguyen Lan Vy

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

## **Table of Contents**

Introduction	<b>4</b>
Search	<b>4</b>
Sign in/ Sign up	<b>4</b>
Sign in	4
Sign up	5
Cart	<b>5</b>
Product Page (Landing page)	<b>8</b>
6. HomePage (Landing Page):	11
7. Checkout Form Page:	12
8. User information :	16
9. Search :	<b>18</b>

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

## UI Prototype Document

### 1. Introduction

- This document provides an overview of the UI prototype. We are using a tool <https://www.figma.com> to draw the UI of our project. Our UI prototype follows what we describe in the use-case specifications.
- Link Video: <https://youtu.be/vfBXtcXcuKQ>

### 2. Sign in/ Sign up

#### 2.1 Sign in



The image shows a woman with curly hair and glasses, wearing a maroon off-the-shoulder sweater, smiling and looking at a gold tablet she is holding in her hands. The background is a plain grey.

**TechStore**

Sign into your account

Email address

Password

Login

[Forgot password?](#)  
[Don't have an account? Register here](#)

[Terms of use.](#) [Privacy policy](#)

- Description: Firstly users assign TechStore's website then they can sign in their account by typing their email address and password correctly
  - If user had an account before but they forgot the password, user can click 'Forgot password' to check email and confirm new password
- + If the user type uncorrectly with the rule, system will announce error for the user and force user type again.

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

## 2.2 Sign up

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

- First name
- Last name
- Phone number
- Email address
- Password
- Gender: Male  Female
- Sign up

- Description: Firstly, users assign TechStore's website, if users do not have an account they can sign up before and sign in easily after that. For signing up you must submit your personal information: name, phone number, gender, email and your password you want
- With Phone number user should type fully 10 numbers with the format xxx-xxx-xxxx
- With an email user forced to type email has a character @
  - + If the user type uncorrectly with the rule, system will announce error for the user and force user type again.

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

Sign up now

Vy                      Lee

First name              Last name

090-901-0988

Phone number

fewcwdxae

Vui lòng bao gồm '@' trong địa chỉ email. 'fewcwdxae' bị thiếu '@'.

\*\*\*\*\*

Password

Gender: Male  Female

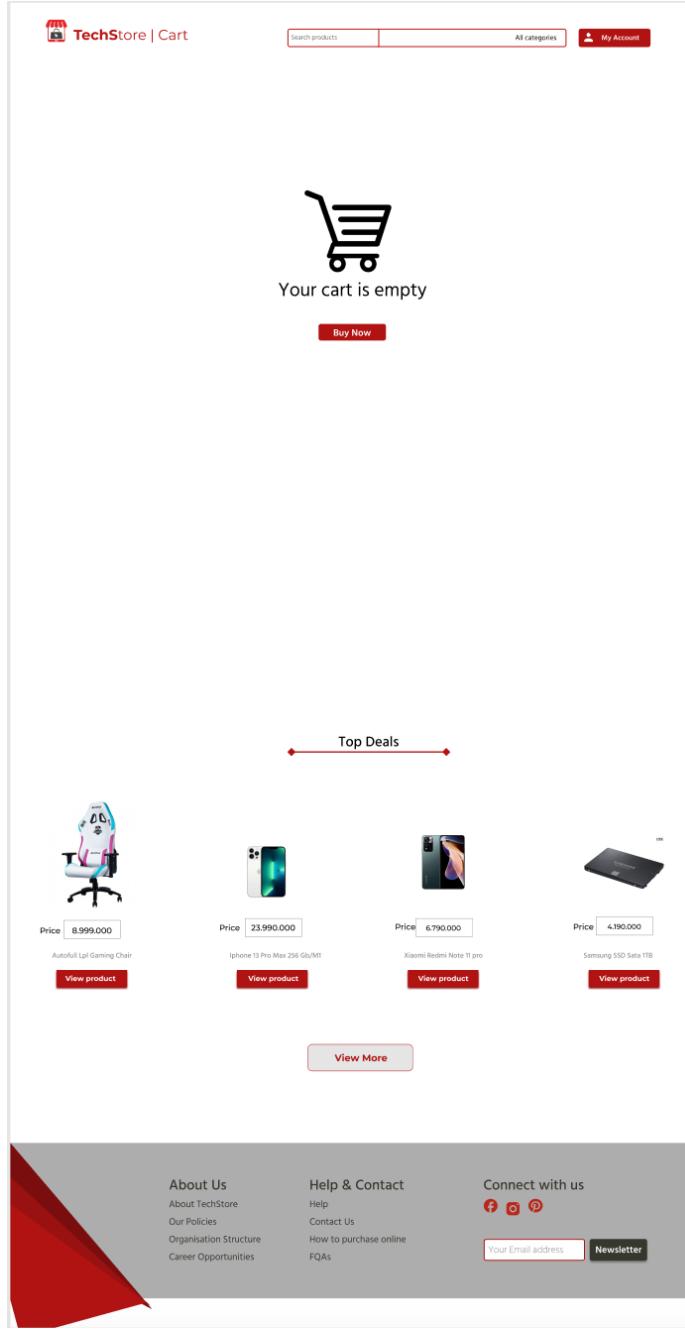
Sign up

### 3. Cart

- Description:
  - This is an essential part of a retailer's online store that streamlines the online shopping experience.
  - When the Cart Button is clicked.
    - CASE #1: Your Cart is empty. The website will display a message that there are no products in the cart.

This is described as shown below.

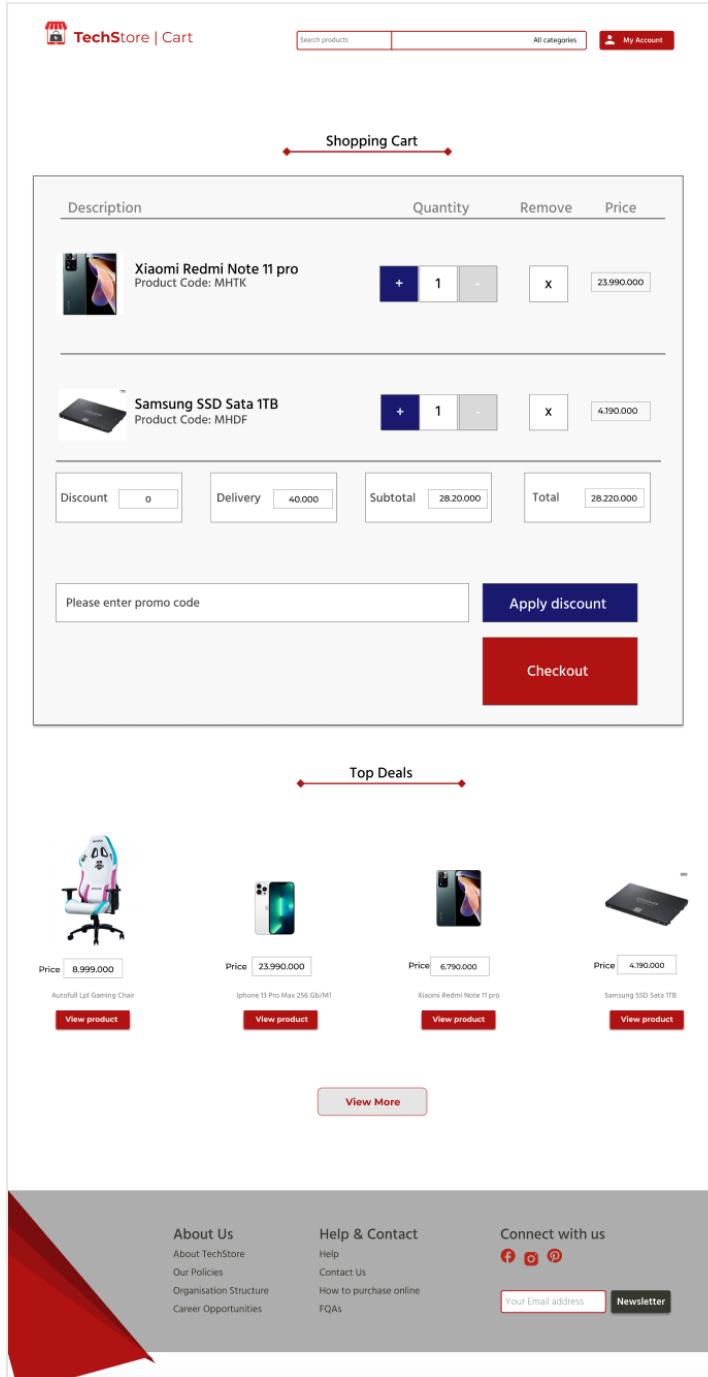
TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	



- CASE #2: Your Card already contains at least one product. The website will display information of products: Description, Quantity, Remove, Price and some other info.
  - + Description: includes product name, product code, product image.
  - + Quantity: quantity of the same product in the cart
  - + Remove: remove a product from the cart

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

+ Price: the price of that product is in VND  
This is described as shown below.



The screenshot displays the TechStore website interface. At the top, there is a header with the store logo, a search bar, and a 'My Account' button. Below the header is the 'Shopping Cart' section, which lists two items: a Xiaomi Redmi Note 11 pro and a Samsung SSD Sata 1TB. Each item has a quantity selector (set to 1), a remove button, and a price field (23.990.000 and 4.790.000 respectively). Below the cart table are discount and delivery fields, and a summary showing Subtotal (28.20.000) and Total (28.220.000). There is also a field for entering a promo code and a 'Checkout' button. Below the cart is a 'Top Deals' section featuring four products: an Autofull Lpl Gaming Chair, an iPhone 13 Pro Max 256 Gb/M1, a Xiaomi Redmi Note 11 pro, and a Samsung SSD Sata 1TB. Each deal includes a price, a 'View product' button, and a 'View More' button at the bottom. The footer contains links for About Us, Help & Contact, and Connect with us, along with a newsletter sign-up form.

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

#### 4. Product Page (Landing page)

- Description: This is the product landing page of TechStore, it has all information of product, comment, add to cart, Reviews.
  - In header: Have two icons are users and cart
    - Is click users icons, display will show all information of users
    - Is click icon cart, display will show all information of their order
  -  The function of this is when users move their mouse pointer to there, display show service and product classification.
  - In red button “Đặt ngay”, when users click button, product is add to carts.
-  five stars in there show for level of product
- Tags: is a category of product to help customers distinguish any products.
- Thông số kỹ thuật: is all configuration of products like: CPU, GPU, RAM, Memory, Keyboard, Display, Size, Weight,....
- Mô tả sản phẩm: is introduce all information about products.
- Sản phẩm liên quan: listed all products have alike category
- Hỏi đáp: is a place for customers to ask questions about the product and admin will answer those questions
- Image of product page:

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

**TechStore**  All categories

Laptop ▾ PC ▾ Màn Hình ▾ Linh Kiện ▾ Liên hệ ▾

**Laptop Asus VivoBook Pro 14X M7400QC-KM013W RTX 3050 4G**  
Ryzen 5 5600H 16GB 512GB 14" 2.8K OLED Win 11 Black ★★★★☆

Mua ngay **23,790,000 đ**  
29,990,000 đ

Hoặc Trả trước từ **2,379,000 đ**

**DẶT NGAY**  
Giao hàng tận nơi hoặc nhận tại cửa hàng

**MÔ TẢ SẢN PHẨM**  
**ASUS VIVOBOOK PRO 14X M7400QC-KM013W**

Asus VivoBook Pro 14X M7400QC-KM013W là dòng sản phẩm được định vị nằm giữa VivoBook Pro và ZenBook. Hướng đến đối tượng người sáng tạo nội dung trẻ tuổi, vlogger hoặc những nghệ sĩ tự do. Bề mặt của máy được hoàn thiện với họa tiết dệt cho cảm giác như những tờ giấy nhám cực mịn và hạn chế tối đa việc để lại dấu tay. Thiết kế của máy cũng cực kì trẻ trung, khu vực bàn phím được mạ màu rõ ràng cho từng khu vực phím. Touchpad kích thước lớn tích hợp phím xoay ASUS DialPad với chức năng tương tự như con xoay vật lí trên máy StudioBook.

Màn hình sẽ là thứ làm người dùng hài lòng khi sử dụng công nghệ OLED, kích thước 14 inches, độ phân giải 3840 x 1600, T148.16+10 thích hợp chuẩn [Xem thêm](#)

THÔNG SỐ KỸ THUẬT	
CPU	AMD Ryzen 5 5600H
Card đồ họa	NVIDIA GeForce RTX 3050
Bộ nhớ RAM	16 GB LPDDR4X
Ổ cứng SSD	512GB SSD NVMe PCIe Gen 3
Màn hình	14" 2.8K OLED, 90Hz
Hệ điều hành	Windows 11 64 Bit
Wireless Lan	802.11ax 2x2 Wi-Fi
Bàn phím	Backlight Keyboard
Kích thước	31.74 x 22.85 x 1.79 ~ 1.79 cm
Trọng lượng	1.45 kg
Bảo hành	24 tháng Chính Hãng

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

### SẢN PHẨM LIÊN QUAN

-3%

-3%

-3%

-3%


Laptop Lenovo ThinkBook 14 G2 ITL (20VDD0XXVN) - i3 1115G4/  
0 đánh giá  
**13.190.000 đ** 13.590.000 đ

Laptop HP Pavilion 15-eg0541TU (4P5G8PA) i3-1125G4/ 4GB/  
0 đánh giá  
**14.590.000 đ**

Laptop HP Pavilion 15-eg0513TU (46M12PA) i3-1125G4/ 4GB/  
0 đánh giá  
**12.990.000 đ** 13.390.000 đ

Laptop HP Pavilion 15-eg0542TU (4P5G9PA) i3-1125G4/ 4GB/  
0 đánh giá  
**13.390.000 đ**

---

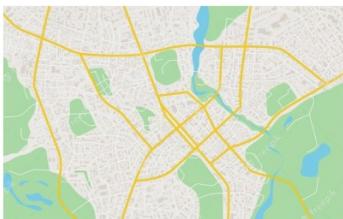
### HỎI ĐÁP

 Typing....

 **Người hỏi**  
★★★★★  
Cái này có dư khe cắm để lắp HDD ko?  
13-07-2022, 3:55 PM

 **ThanhH**  
★★★★★  
Sản phẩm này có full kim loại hay nhựa ạ  
10-06-2022, 7:25 AM





**About Us**

[About TechStore](#)
[Our Policies](#)
[Organisation Structure](#)
[Career Opportunities](#)

**Help & Contact**

[Help](#)
[Contact Us](#)
[How to purchase online](#)
[FAQs](#)

**Connect with us**

[Newsletter](#)

Copyright 2022 - All rights reserved .

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

## 5. HomePage (Landing Page):

- Description:
  - The main page of our website shows all the features, like: voucher, event, product, account (login and log out), about us, cart, search product by words, categories,...
  - Can use the “My account” button (show account) only after logging in the account.
  - When clicking on the “View Product” button, our system will route it to the new page and show the detailed information of that product.
  - To be easier, customers can find their product by categories instead of searching products by its name.
  - when clicking on our logo, the page will reload.
  - If a customer wants to see more products, they can click on “View more” to show all products, or they can choose which products they want by clicking on items in the category.
  - Customers can follow our events on our page, for example “big monday sale” events.

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

The screenshot shows the homepage of the TechStore website. At the top, there's a navigation bar with the TechStore logo, a search bar, and links for categories, search, cart, and account. A prominent banner on the right side advertises a "BIG Monday Sale" with "CYBER MONDAY UP TO 50% off" on selected products, with a "Shop Now" button.

On the left, a sidebar titled "Shop by Categories" lists various product types with dropdown arrows: Gaming Laptops, PCs for Business, Smartphones, Accessories For PC, Computer Monitors, Keyboards, Mouses, and Ergonomic Chairs.

The main content area features a section titled "Our Recommendation" with four product cards:

- Soundspeaks Mini Pro: Price 990,000 VND, View product
- Acer Nitro 5 2022: Price 24,990,000 VND, View product
- Macbook Pro 13 inch M1: Price 25,990,000 VND, View product
- Asus Vivobook Pro: Price 22,490,000 VND, View product

Below this is a "Top Deals" section with four more product cards:

- Autofull L1 Gaming Chair: Price 8,999,000 VND, View product
- Iphone 13 Pro Max 256 Gb/ Mt: Price 23,999,000 VND, View product
- Xiaomi Redmi Note 11: Price 6,790,000 VND, View product
- Samsung SSD Sata 1TB: Price 4,190,000 VND, View product

At the bottom of the page is a footer with links for About Us, Help & Contact, and Connect with us (Facebook, Instagram, Pinterest). It also includes a newsletter sign-up form and a copyright notice: "Copyright 2022 - All rights reserved."

## 6. Checkout Form Page:

Customer has to login to use these features.  
 Checkout form was divided into 4 smaller steps.  
 Cart Phase: already shown above.  
 Detail Phase:

- At this step, users can apply for a voucher to reduce the amount of money.

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

- Users need to full-fill all the information correctly to order.
- Amount due: show out the total amount of price of all products.
- When user finished this step, just click on “next” button to continue. Our system will reconfirm the information.

The screenshot shows a web-based shopping cart interface. On the left, a summary table lists items: an iPhone 13 Pro Max (256Gb/8Gb/Red) at 23.990.000vnd and a SoundPEATS Mini Pro (Black) at 1.980.000vnd. A 'Voucher' input field with an 'Apply' button is present. The total amount due is displayed as 25.970.000 VND. On the right, a modal dialog titled 'Details' shows customer information fields: First Name (Thai Hiep), Last Name (Nguyen), Address (227 Nguyen Van Cu, P.4, Q.5, Tp. HCM), Phone Number (0973xxxxx), and E-mail Address (nguyenthaihiep0203@gmail.com). Navigation buttons 'Back' and 'Next' are at the bottom, along with a note about default fulfillment settings.

Product	Quantity	Price
Iphone 13 Pro max 256Gb/8Gb/Red	- 1 +	23.990.000vnd
Soungeats Mini Pro Black	- 2 +	1.980.000vnd

**Amount due: 25.970.000 VND**

**Details**

**Customer details**

Your Full Name

First Name: Thai Hiep    Last Name: Nguyen

Address: 227 Nguyen Van Cu, P.4, Q.5, Tp. HCM

Phone Number: 0973xxxxx

E-mail Address: nguyenthaihiep0203@gmail.com

[Back](#) [Next](#)

! First fulfillment will be set as default

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

The screenshot shows the TechStore website's cart summary and a details modal.

**Cart Summary:**

- Iphone 13 Pro max**  
256Gb/8Gb/Red  
- 1 + 23.990.000vnd
- Soungpeats Mini Pro**  
Black  
- 2 + 1.980.000vnd

**Voucher:**  **Apply**

**Amount due: 25.970.000 VND**

**Details Modal:**

Is all information right?

**Yes, continue** **No, come back**

⚠ First fulfillment will be set as default

#### Payment Phase:

- Users must choose a payment method.
- There are two methods we are supported (through card and third-party payment).
- Our system will check the card, if all information of payment is correct, the user will order successfully. Otherwise, a tab appears to announce to the user to check again.

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

The screenshot shows a payment process on the TechStore website. At the top, there's a navigation bar with 'TechStore', 'Shop ▾', 'About', 'Cart .', and a user profile icon. Below the navigation is a progress bar with four steps: 'Cart' (checkmark), 'Details' (checkmark), 'Payment' (yellow circle), and 'Done' (empty circle). The 'Payment' step is currently active.

**Summary**

Item	Quantity	Price
Iphone 13 Pro max 256Gb/8Gb/Red	- 1 +	23.990.000vnd
Soungpeats Mini Pro Black	- 2 +	1.980.000vnd

**Amount due: 25.970.000 VND**

**Payment Method**

Card number:  xxxx  xxxx  xxxx  xxxx

Expiry date:  MM  YY CVV:  XXX

Name on card: Jewel Thompson-Adiuku

[Back](#) [Pay now](#)

This payment is safe and secure.

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

The screenshot shows a TechStore website with a red header bar. The header includes the logo "TechStore", a "Shop" dropdown, an "About" link, a user profile icon, and a "Cart" link. Below the header, a progress bar indicates four steps: Cart, Details, Payment, and Done, with the last step being completed. The main content area displays large text "CONGRATULATIONS!!!", "YOUR ORDER WAS SUCCESSFUL", and "Check your order here". It also states "Your order was sent to your email address." and provides three buttons: "Go to Cart", "Go to Order view", and a red "Comeback to page" button.

Done Order Phase:

- Re-verify that order was successful.
- User have three main choice: come back to main page, or go to cart and Order view

## 7. User information :

Description :

- Display and editable user information
- The left side is the toolbar, the right side is the detail

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	



Xõi, tuyệt vời

-  Tài khoản của tôi
- Hồ sơ**
- Liên kết thanh toán
- Đổi mật khẩu
-  Đơn mua
-  Thông báo
-  Voucher

### Hồ sơ của tôi :

---

Tên Đăng Nhập	Hello TechStore
Tên	<input type="text" value="Rose from korea"/>
Email	<input type="text" value="Trống"/>
Số điện thoại	0372993843 <a href="#">Thay đổi</a>
Giới tính	<input checked="" type="radio"/> Nam <input type="radio"/> Nữ <input type="radio"/> Khác
Đại chỉ	122 Nguyễn Hữu Hoàng TP HCM <a href="#">Sửa....</a>


Chọn ảnh



Xõi, tuyệt vời

-  Tài khoản của tôi
- Hồ sơ**
- Liên kết thanh toán**
- Đổi mật khẩu
-  Đơn mua
-  Thông báo
-  Voucher

### Thẻ tín dụng/ ghi nợ

### Thẻ Ngân hàng

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

**Đổi mật khẩu**

Mật khẩu cũ:   
Mật khẩu mới:

**Xác nhận**

**Đơn mua Đang giao hàng**

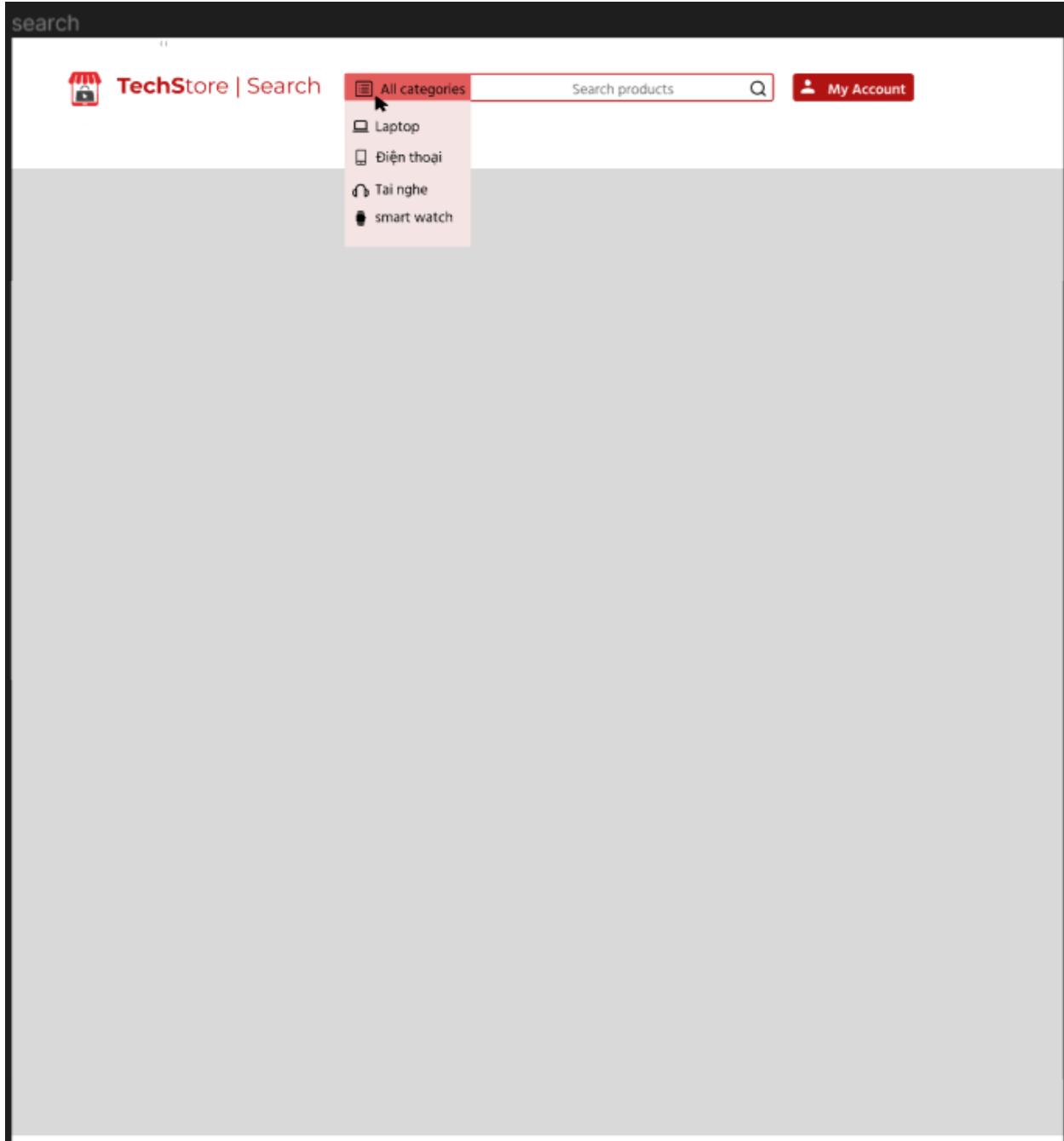
Samsung SSD Sata 1TB x1	Đang giao hàng	Giá : 4.190.000 vnđ
Chat	Phí ship : 10.000 vnđ	<b>Tổng : 4.200.000 vnđ</b>
Ngày 12 tháng 2 năm 2002		
Xiaomi Redmi Note 11 pro x1	Đã giao hàng	Giá : 6.790.000 vnđ
Chat	Phí ship : 30.000 vnđ	<b>Tổng : 6.820.000 vnđ</b>
Ngày 12 tháng 2 năm 2002		

## 8. Search :

Description :  
- 123 / 5,000

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

- On the product search page there is a directory section. Filter by the product you want to find in the search bar
- There are many different filter modes and we can find the product easier.



- If we select the laptop category, we will get the results as shown :

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

- And in this category we can sort to find the product by brand names, color, cpu, ram,... Moreover this filter can help customers find outs a suitable product.

The screenshot shows the TechStore website interface for searching laptops. At the top, there's a navigation bar with a logo, a search bar containing 'Search products', and a 'My Account' button. Below the search bar, there's a section titled 'Bộ lọc' (Filter) with several dropdown menus and buttons for refining the search results:

- Thương hiệu:** ACER, APPLE, ASUS, Avita, Dell, GIGABYTE, HP, Huawei, LG, Lenovo
- Màu sắc:** Bạc, Carbon, Hồng, Trắng, Tím, Tím nhạt, Vàng, Vàng cát, Vàng hồng, Vàng đồng
- Series CPU:** Celeron, Core i3, Core i5, Core i7, Core i9, Pentium, Ryzen 3, Ryzen 5, Ryzen 7
- Chip Đồ họa rời:** AMD Radeon 530, AMD Radeon R7 M530, AMD Radeon RX 5500M, AMD Radeon RX 6600M, AMD Radeon RX 6700S
- Dung lượng RAM:** 16GB, 32GB, 4GB, 64GB, 8GB
- Bộ lọc nâng cao:** Kích thước màn hình, Chuẩn phân giải, Màn hình cảm ứng
- Sắp xếp theo:** Khuyến mãi tốt nhất, Bán chạy, Mới về, Giá giảm dần, Giá tăng dần, Giá thấp nhất, Giá cao nhất

The main content area displays a grid of laptop products with their prices and discount information:

Laptop Model	Price	Discount	Description
Laptop ACER Spin 5 SP513-52N-556...	21.499.000 đ	TIẾT KIỆM 600.000 đ	Còn 1 sản phẩm
Laptop ACER Nitro 5 AN515-52-51L...	24.040.000 đ	TIẾT KIỆM 5.800.000 đ	Còn 1 sản phẩm
Laptop Acer Swift 3 SF313-51-56UW...	20.690.000 đ	TIẾT KIỆM 2.400.000 đ	Còn 3 sản phẩm 26.490.000 đ -21.9%
Laptop HP 340s G7 224L0PA (14'...)	10.690.000 đ	TIẾT KIỆM 1.900.000 đ	Còn 3 sản phẩm 19.990.000 đ -18.33%
Laptop HP 340s G7 224L1PA (14' Ful...	11.990.000 đ	TIẾT KIỆM 1.900.000 đ	Còn 1 sản phẩm 19.890.000 đ -13.68%
Laptop MICROSOFT Surface Go 2...	14.890.000 đ	TIẾT KIỆM 600.000 đ	Còn 1 sản phẩm 15.490.000 đ -3.87%
Laptop HP Envy 13-ba102BTU...	23.990.000 đ	TIẾT KIỆM 1.000.000 đ	Còn 1 sản phẩm
Laptop Dell Vostro 14 3405...	15.490.000 đ	TIẾT KIỆM 3.300.000 đ	Còn 1 sản phẩm 18.490.000 đ -6.06%
Laptop ACER Swift 3 SF314-510G-57MR NXAK10SV004 (14' Full HD/Int...	20.690.000 đ	TIẾT KIỆM 1.000.000 đ	Còn 1 sản phẩm 23.990.000 đ -13.76%
Laptop Dell Vostro 14 3405...	17.490.000 đ	TIẾT KIỆM 1.000.000 đ	Còn 1 sản phẩm 18.490.000 đ -5.41%

- Or we can enter the text in the search bar for searching item:

TechStore	Version: 1.0
Software Architecture Document	Date: 17/July/22
<document identifier>	

search product

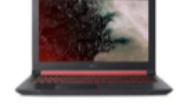
 TechStore | Search  Laptop   My Account

Kết quả tìm kiếm cho "laptop"

Bộ lọc

Thương hiệu	ACER	APPLE	ASUS	Avita	Dell	GIGABYTE	HP	Huawei	LG	Lenovo
Màu sắc	Bạc	Carbon	Hồng	Trắng	Tím	Tím nhạt	Vàng	Vàng cát	Vàng hồng	Vàng đồng
Series CPU	Celeron	Core i3	Core i5	Core i7	Core i9	Pentium	Ryzen 3	Ryzen 5	Ryzen 7	
Chip Đồ họa rời	AMD Radeon 530	AMD Radeon R7 M530	AMD Radeon RX 5500M	AMD Radeon RX 6600M	AMD Radeon RX 6700S					
Dung lượng RAM	16GB	32GB	4GB	64GB	8GB					
Bộ lọc nâng cao	Kích thước màn hình	Chuẩn phân giải	Màn hình cảm ứng							

Sắp xếp theo      -  

 Laptop ACER Spin 5 SP513-52N-5566... <small>Còn 1 sản phẩm</small> <b>21.499.000 đ</b>	 Laptop ACER Nitro 5 AN515-52-51L... <small>Còn 1 sản phẩm</small> <b>24.040.000 đ</b>	 Laptop Acer Swift 3 SF313-51-56UW... <small>Còn 3 sản phẩm</small> <b>20.690.000 đ</b> <small>26.490.000 đ -21.9%</small>	 Laptop HP 340s G7 224L0PA (14"... <small>Còn 3 sản phẩm</small> <b>10.690.000 đ</b> <small>13.090.000 đ -18.33%</small>	 Laptop HP 340s G7 224L1PA (14" Full HD/Int... <small>Còn 1 sản phẩm</small> <b>11.990.000 đ</b> <small>13.890.000 đ -13.68%</small>
 Laptop MICROSOFT Surface Go 2... <small>Còn 1 sản phẩm</small> <b>14.890.000 đ</b> <small>15.490.000 đ -3.87%</small>	 Laptop HP Envy 13-ba1028TU... <small>Còn 1 sản phẩm</small> <b>23.990.000 đ</b>	 Laptop Dell Vostro 14 3405... <small>Còn 1 sản phẩm</small> <b>15.490.000 đ</b> <small>16.490.000 đ -6.06%</small>	 Laptop ACER Swift 3 SF314-510G-57MR NXA10SV.004 (14" Full HD/Int... <small>Còn 1 sản phẩm</small> <b>20.690.000 đ</b> <small>23.990.000 đ -13.76%</small>	 Laptop Dell Vostro 14 3405... <small>Còn 1 sản phẩm</small> <b>17.490.000 đ</b> <small>18.490.000 đ -5.41%</small>