



## 1.0 Introduction

Welcome to HardCORE, your one-stop destination for all your computer hardware needs. Our online store offers a wide range of products that are suitable for personal, business, and gaming use. Our mission is to provide our customers with high-quality products at affordable prices, along with exceptional customer service. We strive to make your shopping experience as seamless as possible, with easy navigation, secure payment options, and fast shipping. Whether you're a casual user, a professional, or a gamer, we have something for everyone. Browse through our collection and find the perfect hardware to upgrade your computer today!

## 2.0 Sitemap/ Navigation

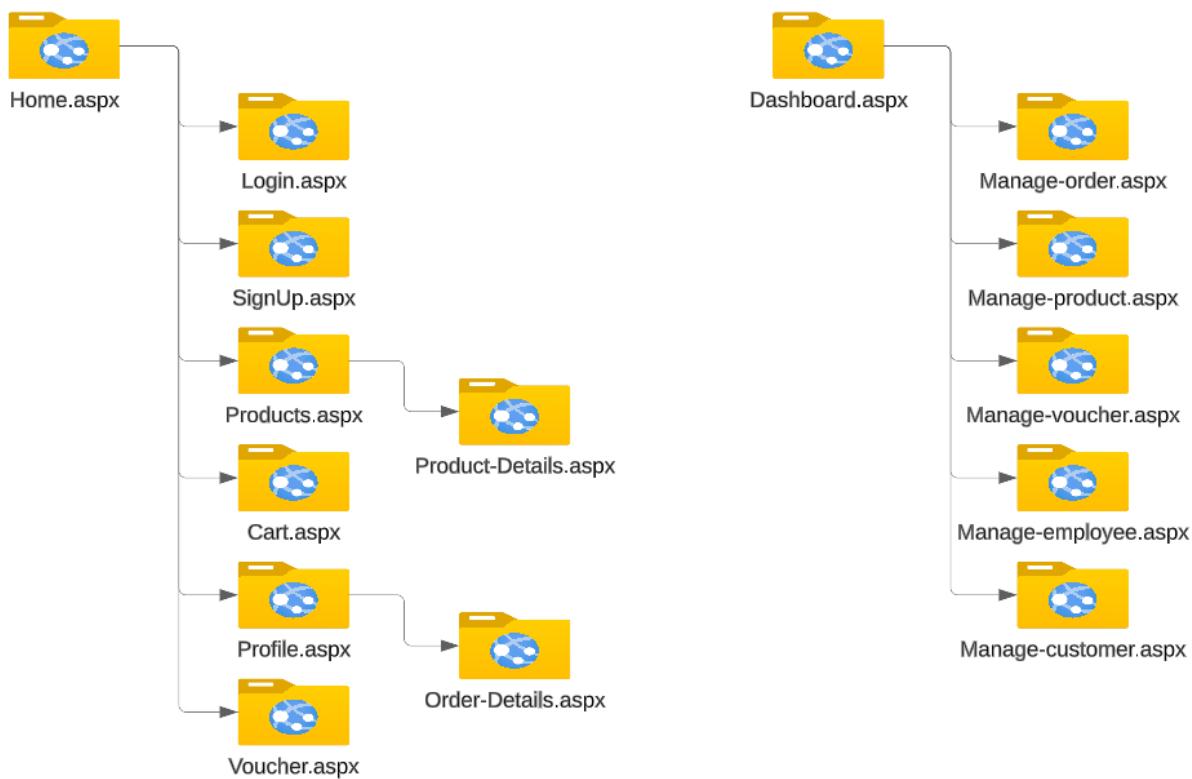
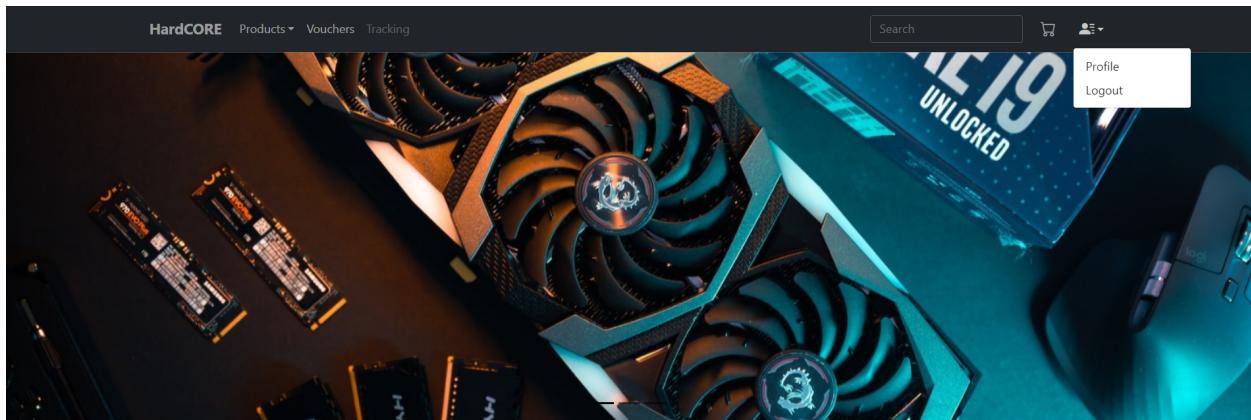


Figure 1: Navigation Structure

## 2.1 Client Site Web Pages



Latest Products



Figure 2: Home page

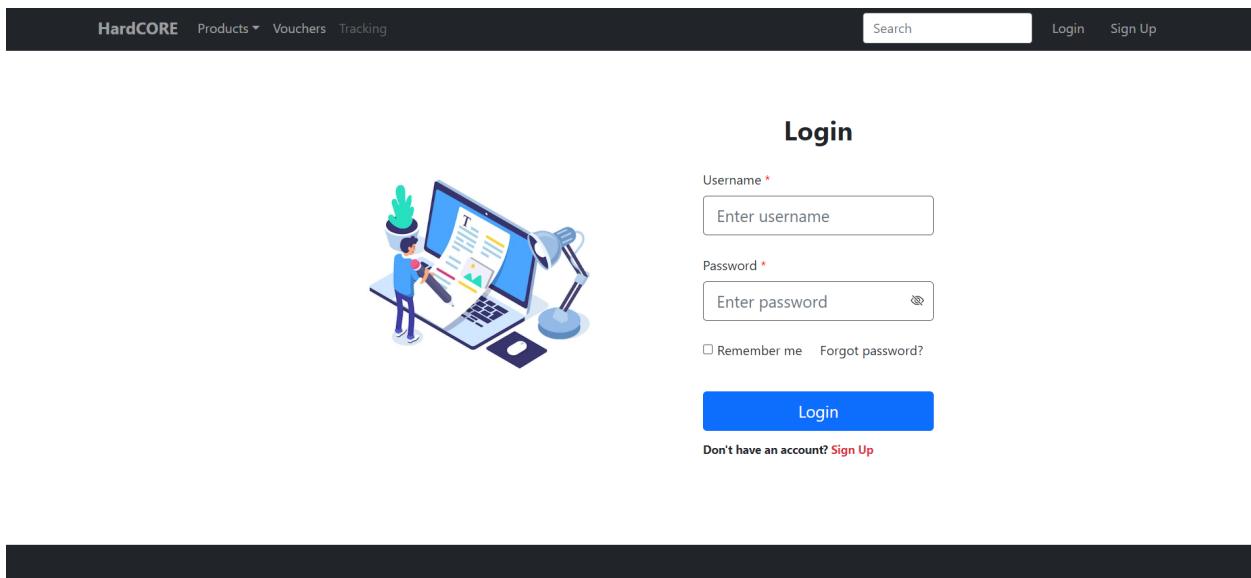


Figure 3: Login page



## Sign Up

Username \*

Contact Number

Full Name

Date Of Birth

Email address

Password \*

Confirm Password

Show Password

[Sign Up](#)[Already have an account? Login](#)

Figure 4: Sign Up Page

HardCORE [Products ▾](#) [Vouchers](#) [Tracking](#)

Search [Cart](#) [User](#)

Filter by: All Products Lowest to Highest

|   |   |   |   |   |
|---|---|---|---|---|
| <br>View Details<br>Pure Duo 12<br><small>Computer Part</small><br>89.00 7qty      | <br>Hyper 212 LED<br><small>Computer Part</small><br>99.00 7qty                      | <br>OVERFLOW WITH POWER<br>MSI Power Supply MEG AI100P<br><small>Computer Part</small><br>389.99 99qty | <br>MEG Z790 ACE<br><small>Computer Part</small><br>550.50 5qty                 | <br>Nitro ED0<br><small>Computer Part</small><br>579.80 1qty                 |
| <br>View Details<br>New Inspiron Desktop<br><small>Desktop</small><br>1985.99 9qty | <br>View Details<br>GeForce RTX 3080<br><small>Computer Part</small><br>2599.99 6qty | <br>THE ULTIMATE PLAY<br>GeForce RTX 3070Ti<br><small>Computer Part</small><br>2699.99 12qty           | <br>View Details<br>ASUS M3200<br><small>Computer Part</small><br>2749.00 15qty | <br>View Details<br>Acer ENDURO N3<br><small>Laptop</small><br>2997.33 15qty |

Figure 5: Product page



HardCORE Products ▾ Vouchers Tracking

Search

Login Sign Up

## GeForce RTX 3080

The GeForce RTX™ 3080 Ti and RTX 3080 graphics cards deliver the ultra performance that gamers crave, powered by Ampere

Computer Part

Price 2599.99

Quantity 1

Add to Cart





GeForce RTX 4080  
Computer Part



Intel i9-10900X  
Computer Part



Hyper 212 LED  
Computer Part



Pure Duo 12  
Computer Part



GeForce RTX 3070Ti  
Computer Part

Figure 6: Product-details page

HardCORE Products ▾ Vouchers Tracking

Search

Cart User icon

## Shopping Cart

| Product   | Quantity                       | Price |
|---|--------------------------------|-------|
|  Hyper 212 LED | <input type="text" value="1"/> | 99.00 |

Address  
No17 Jalan9/18A Taman Mastiara Batu Lima Jalan Ipoh

State  
Kuala Lumpur

Default Address

Promocode  
BUYNOW

Total price  
RM 99.00

Back to home Check Out

Figure 7: Cart page



HardCORE Products Vouchers Tracking Search Cart User

**RM50.00 OFF BUYNOW**  
Min. Spend RM0.00 Expiry Date: 10/5/2023 12:00:00 AM

**RM200.00 OFF GHOSTFESTIVAL**  
Min. Spend RM150.00 Expiry Date: 13/5/2023 12:00:00 AM

**RM10.00 OFF PROMOCORE**  
Min. Spend RM15.00 Expiry Date: 31/5/2023 12:00:00 AM

**RM1000.00 OFF CKBirthday**  
Min. Spend RM2000.00 Expiry Date: 17/5/2023 12:00:00 AM

**RM200.00 OFF HardcoreOpening**  
Min. Spend RM1000.00 Expiry Date: 30/6/2023 12:00:00 AM

HardCore Online Store  
Welcome to our online computer hardware store, where you'll find a wide variety of high-quality computer components and peripherals. Shop with us today and elevate your computing experience!  
© Copyrights. All rights reserved.

Our Products  
All Products Laptops Desktops Computer Parts

Write Message to us  
Drop your message here, our staff will approach you as soon as possible.  
Message

Figure 8: Voucher page

HardCORE Products Vouchers Tracking Search Cart User

  
ckl0517 [Edit Profile](#)

|               |   |
|---------------|---|
| Full Name     | Chean Kae Lun                                       |
| Date Of Birth | 17/5/2002   |
| Email         | cheankl-wm20@student.t                              |
| Phone         | 0183715153  |
| Address       | No17 Jalan9/18A Taman Mastiara Batu Lima Jalan Ipoh |
| State         | Kuala Lumpur  |

## Order History

| Order ID    | Date       | Address               | Qty | Total(RM) | Payment ID           | Status    | Details              |
|-------------|------------|-----------------------|-----|-----------|----------------------|-----------|----------------------|
| ORD00000020 | 08-04-2023 | No17 Jalan9/18A Ta... | 2   | 2616.85   | PAYID-MRMKYDQ43F...  | Completed | <a href="#">View</a> |
| ORD00000021 | 09-05-2023 | No17 Jalan9/18A Ta... | 1   | 6699.00   | PAYID-MRMTQBA3F2...  | Completed | <a href="#">View</a> |
| ORD00000025 | 09-05-2023 | No17 Jalan9/18A Ta... | 7   | 643.00    | PAYID-MRM342Y6XJ0... | Pending   | <a href="#">View</a> |

HardCore Online Store  
Welcome to our online computer hardware store, where you'll find a wide variety of high-quality computer components and peripherals. Shop with us today and elevate your computing experience!  
© Copyrights. All rights reserved.

Our Products  
All Products Laptops Desktops Computer Parts

Write Message to us  
Drop your message here, our staff will approach you as soon as possible.  
Message

Figure 9: Profile page

## 2.2 Admin Site Web Pages

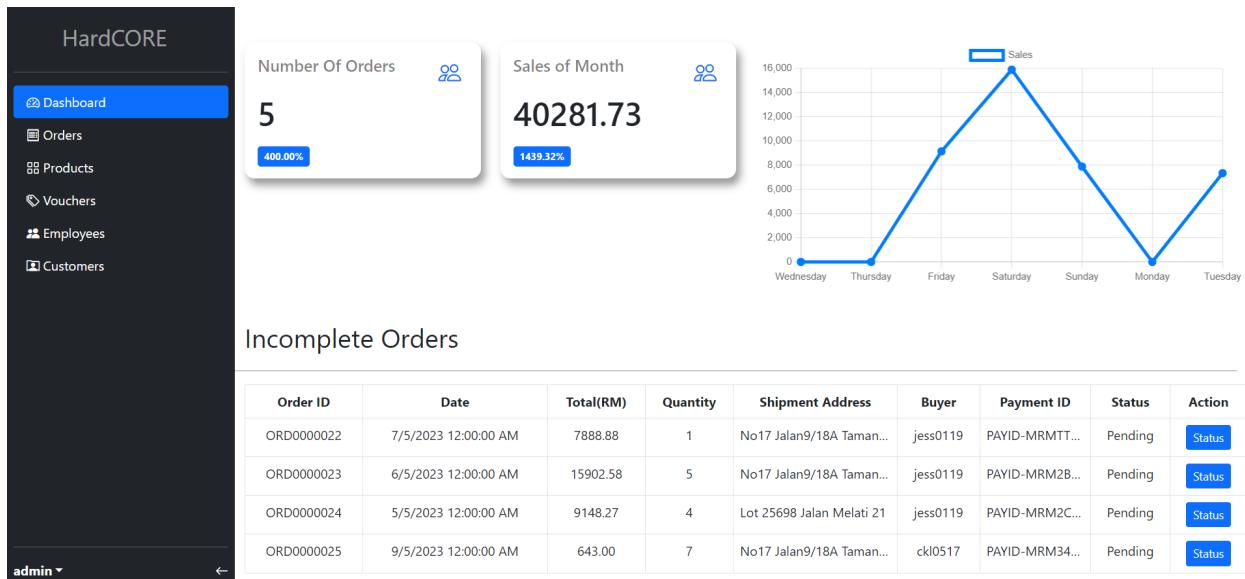


Figure 10: Dashboard page

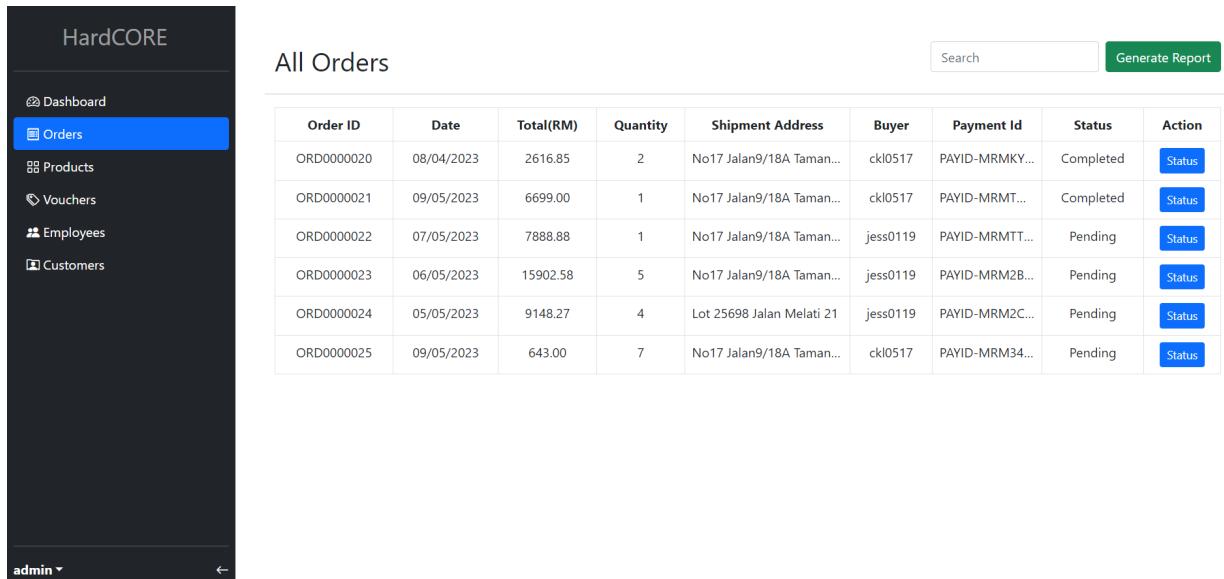


Figure 11: Manage Order page

**All Products**

| Product ID | Name                        | Description   | Category      | Price(RM) | Quantity | Image   | Action                                      |
|------------|-----------------------------|---|---------------|-----------|----------|---|---|
| PRD0000001 | GeForce RTX 4080            | The NVIDIA® GeForce RTX™ 4080 delivers the ultra performance and features that enthusiast gamers and creators demand.   | Computer Part | 3517.85   | 6        |  | <a href="#">Edit</a> <a href="#">Delete</a> |
| PRD0000002 | GeForce RTX 3080            | The GeForce RTX™ 3080 Ti and RTX 3080 graphics cards deliver the ultra performance that gamers crave, powered by Ampere.  | Computer Part | 2599.99   | 6        |  | <a href="#">Edit</a> <a href="#">Delete</a> |
| PRD0000003 | AMD Ryzen 3 3200G           | ROG Strix Scar 18 (2023) G834J-YN6068W  | Laptop        | 3699.79   | 10       |  | <a href="#">Edit</a> <a href="#">Delete</a> |
| PRD0000004 | Intel i9-10900X             | 10 Cores up to 4.7GHz, Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512  | Computer Part | 8888.88   | 12       |  | <a href="#">Edit</a> <a href="#">Delete</a> |
| PRD0000005 | Nitro 5 Intel AN515-57-7APF | Go full throttle with an 11th Gen Intel® Core™ i7 processor, GeForce RTX™ 30 Series GPUs <sup>1</sup> and the hinh-speed IPS FHD display with 144Hz refresh and | Laptop        | 6899.00   | 20       |  | <a href="#">Edit</a> <a href="#">Delete</a> |

Figure 12: Manage Product page

**All Vouchers**

| PromoCode       | Discount(RM) | Min.Spend(RM) | Status                              | Start Date | Expiry Date | Action                                      |
|-----------------|--------------|---------------|-------------------------------------|------------|-------------|---|
| BUYNOW          | 50.00        | 0.00          | <input checked="" type="checkbox"/> | 09/05/2023 | 10/05/2023  | <a href="#">Edit</a> <a href="#">Delete</a> |
| CKBirthday      | 1000.00      | 2000.00       | <input checked="" type="checkbox"/> | 08/05/2023 | 17/05/2023  | <a href="#">Edit</a> <a href="#">Delete</a> |
| GHOSTFESTIVAL   | 200.00       | 1500.00       | <input checked="" type="checkbox"/> | 09/05/2023 | 13/05/2023  | <a href="#">Edit</a> <a href="#">Delete</a> |
| HardCoreOpening | 200.00       | 1000.00       | <input checked="" type="checkbox"/> | 08/05/2023 | 30/06/2023  | <a href="#">Edit</a> <a href="#">Delete</a> |
| PROMOCORE       | 10.00        | 150.00        | <input checked="" type="checkbox"/> | 09/05/2023 | 31/05/2023  | <a href="#">Edit</a> <a href="#">Delete</a> |

Figure 13: Manage Voucher page

**Employees**

| Username | Name   | Email                     | Contact     | Address                   | Status                              | Action  |
|----------|--------|---------------------------|-------------|---------------------------|-------------------------------------|---|
| staff2   | Jessie | liwejss@gmail.com         | 0113312338  | Lot 25698 Jalan Melati 21 | <input type="checkbox"/>            | <button>Edit</button> <button>Delete</button> |
| test     | test   | lamontchean0517@gmail.com | 01111111119 | test                      | <input checked="" type="checkbox"/> | <button>Edit</button> <button>Delete</button> |

Figure 14: Manage Employee page

**Customers**

| Name          | Email                            | Contact    | Date Of Birth | Address              | State        | Status                              | Image   |
|---------------|----------------------------------|------------|---------------|----------------------|--------------|-------------------------------------|---|
| Chean Kae Lun | cheankl-wm20@student.tarc.edu.my | 0183715153 | 17-05-2002    | No17 Jalan9/18A ...  | Kuala Lumpur | <input checked="" type="checkbox"/> |  |
| tttq          | ttt@tqt.comhgfh44                | 0172389855 | 19-06-2001    | No17 Jalan9/18A ...  | Johor        | <input checked="" type="checkbox"/> |  |
| Jessie Liew   | jessiel-wm20@student.tarc.edu.my | 0109025428 | 19-01-2002    | Lot 25698 Jalan M... | Selangor     | <input checked="" type="checkbox"/> |  |
| Jessieisis    | nicholasyqn-wm20@st.ddfs         | 0109025476 | 09-11-2001    |                      |              | <input checked="" type="checkbox"/> |  |
| Loo Yean Ter  | looyt-wm20@student.tarc.edu.my   | 0107127025 | 15-11-2002    |                      |              | <input checked="" type="checkbox"/> |  |

Figure 15: Manage Customer page



**HardCORE** Hardware Online Store

## 2.3 Report(.pdf)



Jalan Genting Klang,  
53300 Kuala Lumpur  
Phone: (+60)18-888 8888  
Email: hardcorestore888@gmail.com

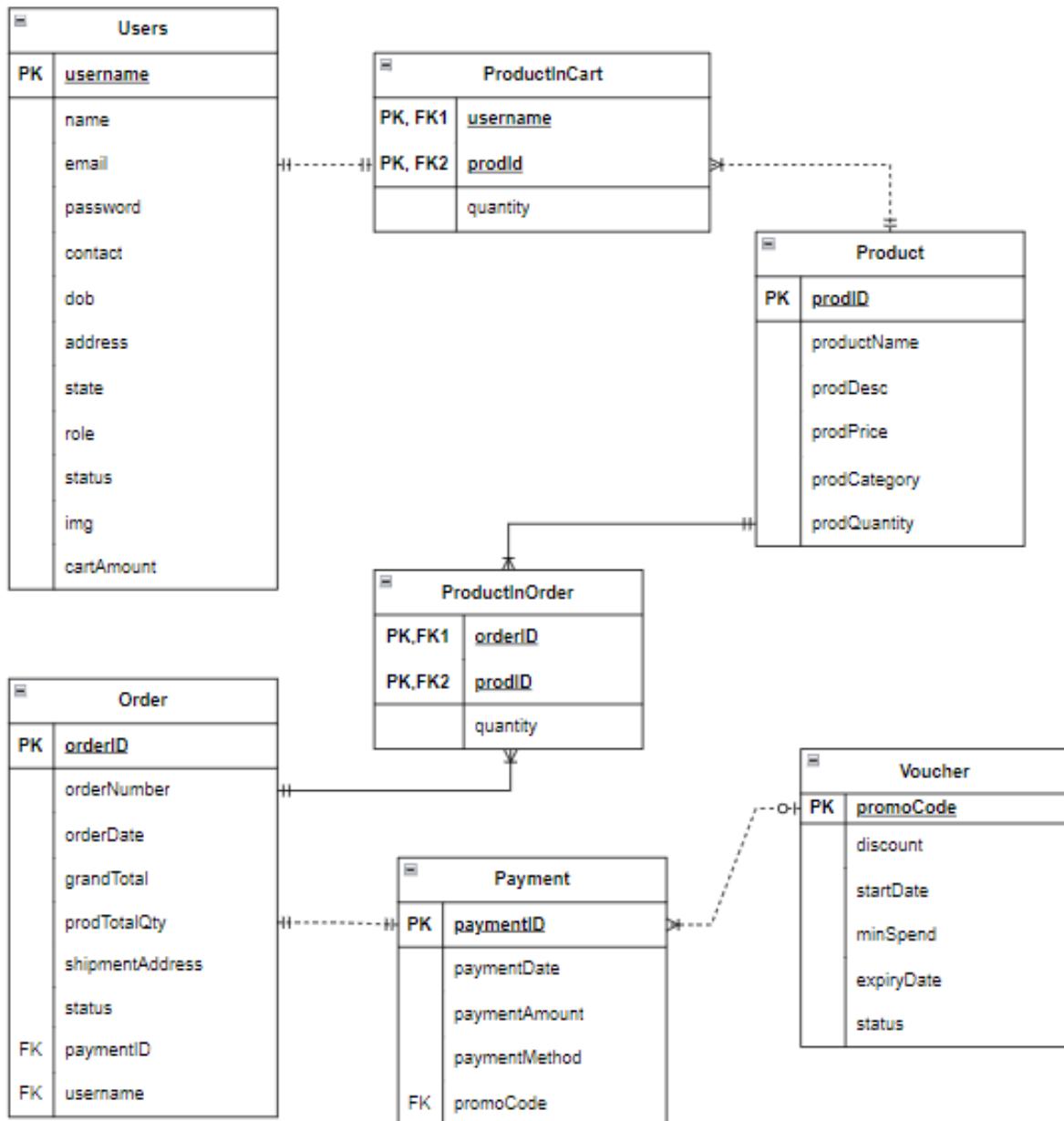
### ORDER REPORT ON May-2023

| Order Date | Number of Orders | Product Quantity Sold | Total Revenue(RM)               |
|------------|------------------|-----------------------|---------------------------------|
| 5/5/2023   | 1                | 4                     | 9148.27                         |
| 6/5/2023   | 1                | 5                     | 15902.58                        |
| 7/5/2023   | 1                | 1                     | 7888.88                         |
| 9/5/2023   | 1                | 1                     | 6699.00                         |
|            |                  |                       | <b>Grand Total: RM39,638.73</b> |

Figure 16: Sample Report



## 3.0 ERD Diagram





## 4.0 Error Handling

In web development, it is crucial to ensure that the website or web application is free from errors that can affect user experience or cause security vulnerabilities. Error handling is the process of detecting, diagnosing, and resolving errors that may occur during the use of the website or application.

Input validation can prevent common errors such as incorrect data types, invalid formats, and invalid characters. In web development, input validation can be achieved by using validation controls such as Required Field Validator, Regular Expression Validator, Compare Validator, and Custom Validator.. For example, an input field for a phone number may have a validation control that only accepts numeric input with a specific format, such as (###) ### ####.

Another way to prevent errors is through the use of TryParse. This method is used to convert a string representation of a number to its integer or decimal equivalent. TryParse checks if the string can be successfully converted to a number, and if not, it returns a default value or throws an exception. This helps to prevent errors caused by incorrect or invalid input.

In addition to input validation and TryParse, application-level error handling is also important. This involves catching and handling errors that may occur during the execution of the application, such as exceptions or errors caused by unexpected user input. This can be achieved through the use of try-catch blocks or by implementing a custom error handler. An application-level error handler can log errors and provide feedback to the user, such as an error message or a suggestion for how to correct the issue.

In summary, error handling is an essential aspect of web development that involves preventing errors through input validation and TryParse, as well as handling errors that may occur during the execution of the application through application-level error handling. By implementing these strategies, developers can create web applications that are more secure, reliable, and user-friendly.



In the account module of this web application, input validation has been implemented to ensure that user data is accurate and in the correct format. The username field has been validated to ensure that the username entered is unique, and no other user has already registered with that username. The date of birth field has been validated to ensure that the user is at least 18 years old, as this is a common requirement for registration on many websites. The email field has been validated to ensure that the email address entered is in a valid email format, using regular expressions to check for the correct format. Finally, the tel field has been validated to ensure that the telephone number entered is in a valid format. These validation controls help to ensure that users enter valid and correct data, reducing the risk of errors and improving the overall user experience of the web application.

## Sign Up

Username \*

Contact Number \*

Full Name \*

Date Of Birth \*

Email address \*

Password \*

Confirm Password \*

Show Password

**Sign Up**

Already have an account? [Login](#)

- Username is Required
- Contact Number is Required
- Name is Required
- Date Of Birth is Required
- Email Address is Required
- Password is Required
- Confirm Password is Required



Figure 17: Validation of Sign Up Page



## Login

Username \*

Enter username

Password \*

Enter password



Remember me   [Forgot password?](#)

Login

**Don't have an account? [Sign Up](#)**

- Username is Required
- Password is Required

Figure 18: Validation of Login Page

## Reset Password

Password \*

Enter password

Confirm Password \*

Confirm password

Show Password

Reset

- Password is Required
- Confirm Password is Required

Figure 19: Validation of Reset Password Page





Loo

No file chosen

|   |                                       |
|---|---------------------------------------|
| Full Name   | Loo Yean Ter                          |
| Date Of Birth   | 11/15/2002                            |
| Email   | looyt-wm20@student.tarc.edu.my        |
| Phone   | 0107127025                            |
| Address*  | Enter Address                         |
| State*  | <input type="dropdown" value="None"/> |
| <ul style="list-style-type: none"><li>• Address is Required</li><li>• State is Required</li></ul> |                                       |

Figure 20: Validation of Profile Page



In the order module, input validation has been implemented to ensure that the quantity entered by the user falls within the available range of the item. This is achieved by comparing the entered quantity with the available quantity of the item, and if the entered quantity is higher, an error message is displayed. Additionally, the validation control is set to require an address field, so that the user must enter a valid address before submitting the order. These validation checks help to prevent errors and improve the user experience, ensuring that only valid orders are processed. In the voucher application, validations are implemented to ensure that the voucher code entered by the user is valid and applicable to the current transaction. The first validation checks if the voucher code exists in the system, and the second validation checks if the minimum spend requirement for the voucher is met. If both conditions are not met, the user will be notified that the voucher cannot be applied. Finally, the voucher is applied to the transaction if all validation checks pass.

The product page features a large image of the GeForce RTX 4080 GPU with the text "GeForce RTX™ 40 BEYOND FAST". To the right, product details are shown: "GeForce RTX 4080", "Computer Part", "Price 3517.85", and a "Quantity" input field containing the value "7". A validation error message "Value must be less than or equal to 6." is displayed below the input field. A blue "Add to Cart" button is at the bottom.

**GeForce RTX 4080**

The NVIDIA® GeForce RTX™ 4080 delivers the ultra performance and features that enthusiast gamers and creators demand.

Computer Part

Price 3517.85

Quantity 7

! Value must be less than or equal to 6.

Add to Cart

Figure 21: Validation of Product Quantity

## Shopping Cart

| Product   | Quantity    | Price                            |       |   |
|---|-------------|----------------------------------|-------|---|
|  | Pure Duo 12 | 1 <input type="text" value="1"/> | 89.00 | X |

Address   
 Please fill in your address!

State   
 Default Address

Promocode   
 Total price **RM 89.00**

[Back to home](#) [Check Out](#)

Figure 22: Validation of Fill in Address

HardCORE [Products](#) ▾ [Vouchers](#) [Tracking](#)

## Shopping Cart

| Product   | Quantity      | Price                            |       |   |
|---|---------------|----------------------------------|-------|---|
|  | Hyper 212 LED | 1 <input type="text" value="1"/> | 99.00 | X |

Address   
 State   
 Default Address

Promocode  Invalid Promocode  
 Total price **RM 99.00**

[Back to home](#) [Check Out](#)

Figure 23: Validation of Promocode

HardCORE [Products](#) [Vouchers](#) [Tracking](#)
Search  ≡ ≡

## Shopping Cart

| Product   | Quantity                       | Price                                    |
|---|--------------------------------|--|
|  Hyper 212 LED | <input type="text" value="1"/> | 99.00                                    |
|   |                                | <span style="font-size: small;">X</span> |
| Total price<br><b>RM 99.00</b>  |                                |  |

Address

State

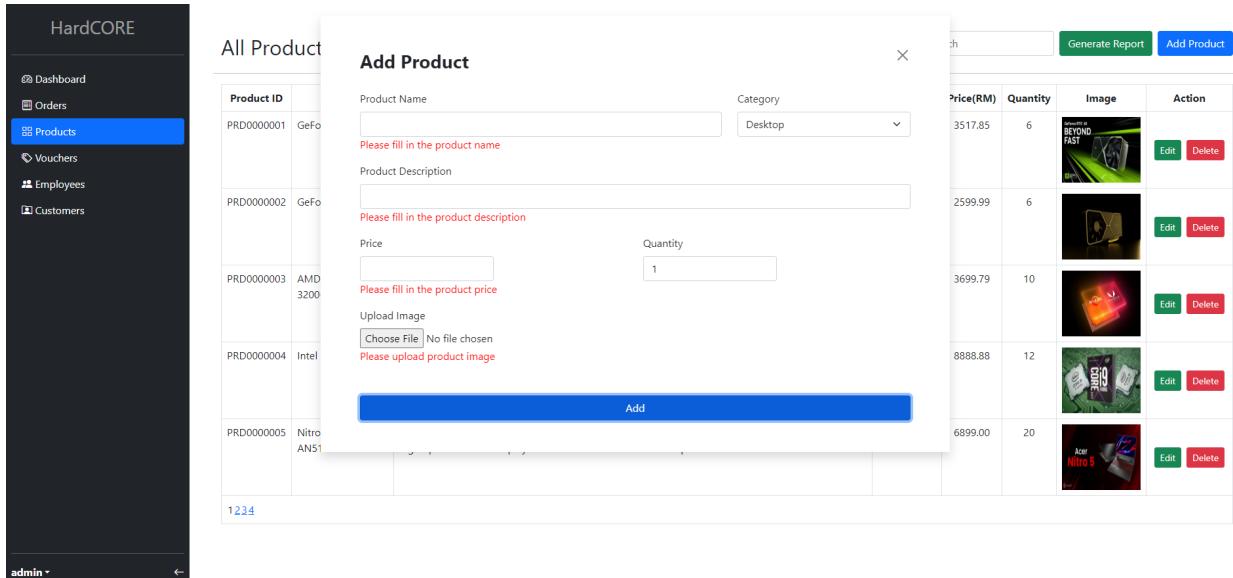
Default Address

Promocode  

Valid Promocode

*Figure 24: Validation of Promocode(2)*

In the data maintenance module, various validation measures have been implemented to ensure that the data entered is accurate and valid. This is accomplished by implementing mandatory field validation for all required fields in the add product and add voucher forms. Additionally, the price field has been validated using the correct regular expression to ensure that it only accepts valid input. Furthermore, when adding an employee or customer, unique username and email addresses are validated to prevent duplicates. The date of birth field is also validated to ensure that the age of the employee or customer is at least 18 years old. Valid telephone and email formats are also validated to ensure that the data entered is accurate and usable. By implementing these validation measures, data integrity and accuracy are ensured, and errors are minimized.



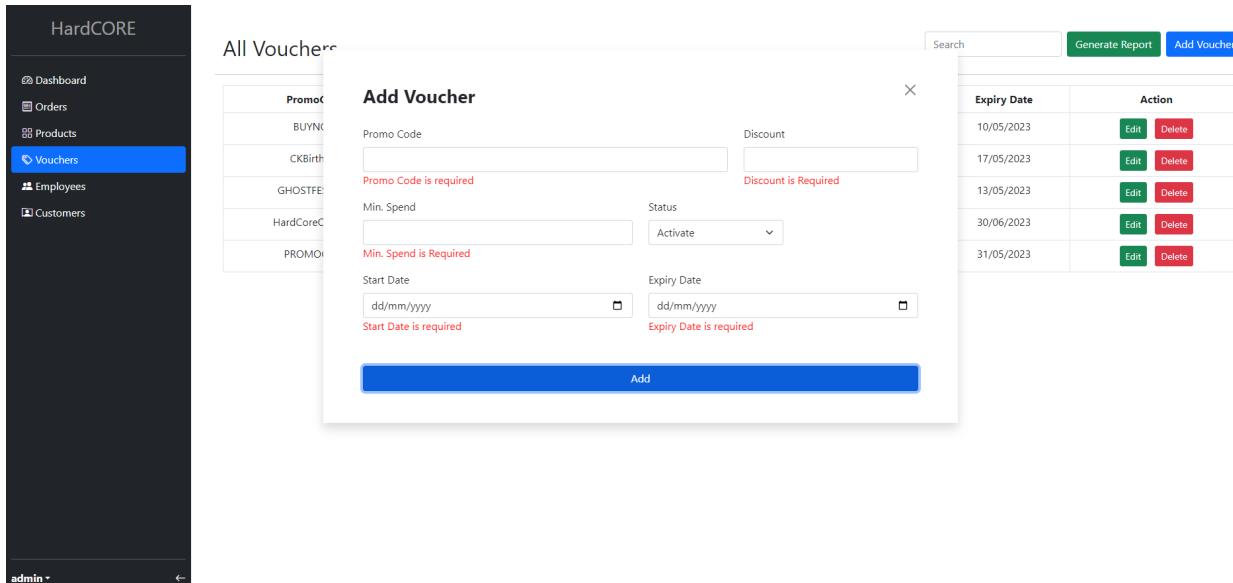
The screenshot shows the 'Add Product' form within the 'All Products' section of the HardCORE dashboard. The form fields include:

- Product Name:** Empty field with error message "Please fill in the product name".
- Category:** A dropdown menu set to "Desktop".
- Product Description:** Empty field with error message "Please fill in the product description".
- Price:** Empty field with error message "Please fill in the product price".
- Quantity:** Input field containing "1".
- Upload Image:** A file input field with placeholder "Choose File" and error message "No file chosen".
- Please upload product image:** A red validation message below the file input.

Below the form is a table listing existing products:

| Price(RM) | Quantity | Image | Action  |
|-----------|----------|-------|---|
| 3517.85   | 6        |       | <button>Edit</button> <button>Delete</button> |
| 2599.99   | 6        |       | <button>Edit</button> <button>Delete</button> |
| 3699.79   | 10       |       | <button>Edit</button> <button>Delete</button> |
| 8888.88   | 12       |       | <button>Edit</button> <button>Delete</button> |
| 6899.00   | 20       |       | <button>Edit</button> <button>Delete</button> |

Figure 25: Validation of Add Product



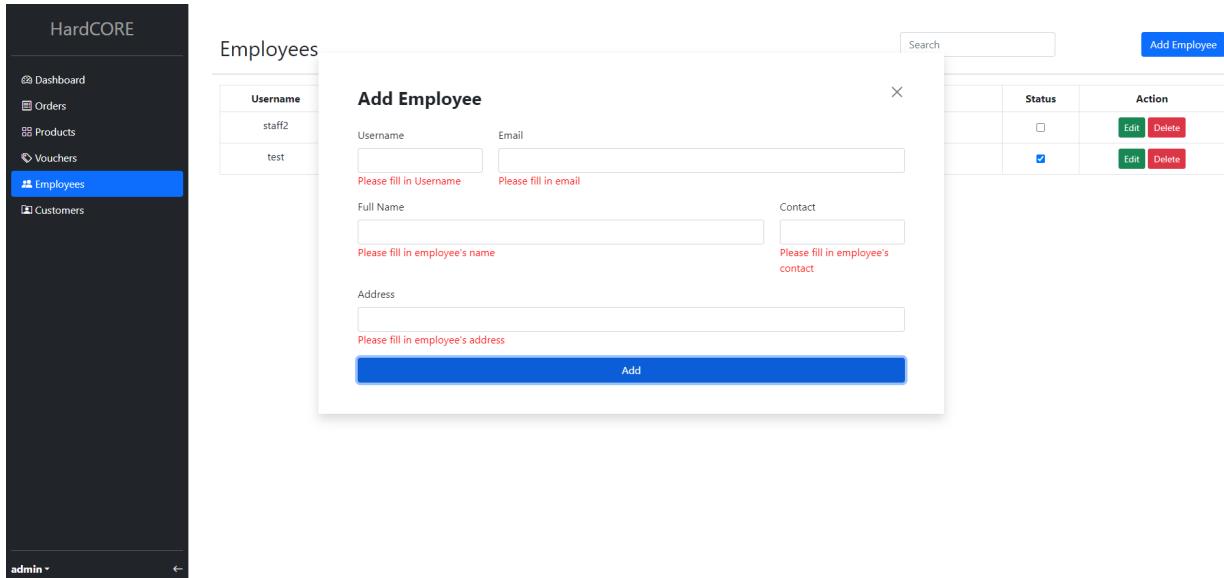
The screenshot shows the 'Add Voucher' form within the 'All Vouchers' section of the HardCORE dashboard. The form fields include:

- Promo Code:** Empty field with error message "Promo Code is required".
- Discount:** Empty field with error message "Discount is Required".
- Min. Spend:** Empty field with error message "Min. Spend is Required".
- Status:** A dropdown menu set to "Activate".
- Start Date:** A date input field with placeholder "dd/mm/yyyy" and error message "Start Date is required".
- Expiry Date:** A date input field with placeholder "dd/mm/yyyy" and error message "Expiry Date is required".

Below the form is a table listing existing vouchers:

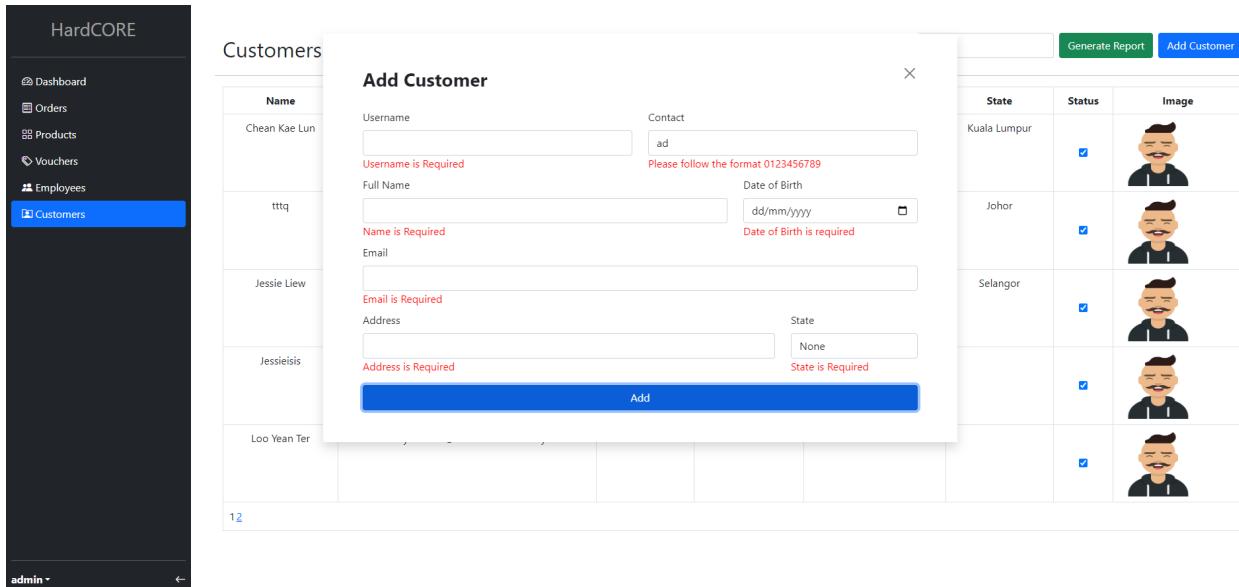
| Expiry Date | Action  |
|-------------|---|
| 10/05/2023  | <button>Edit</button> <button>Delete</button> |
| 17/05/2023  | <button>Edit</button> <button>Delete</button> |
| 13/05/2023  | <button>Edit</button> <button>Delete</button> |
| 30/06/2023  | <button>Edit</button> <button>Delete</button> |
| 31/05/2023  | <button>Edit</button> <button>Delete</button> |

Figure 26: Validation of Add Voucher



The screenshot shows the 'Employees' section of the HardCORE Hardware Online Store. On the left, a sidebar menu includes 'Dashboard', 'Orders', 'Products', 'Vouchers', 'Employees' (which is selected and highlighted in blue), and 'Customers'. The main content area displays a table of employees with columns for 'Status' and 'Action'. A modal window titled 'Add Employee' is open, prompting for 'Username' (containing 'staff2' and 'test'), 'Email' (containing 'ad'), 'Full Name' (containing 'tttq'), 'Contact' (empty), 'Address' (empty), and 'City' (empty). Validation messages are displayed: 'Please fill in Username' and 'Please fill in email' for the first two fields; 'Please fill in employee's name' for the third; 'Please fill in employee's contact' for the fourth; and 'Please fill in employee's address' for the fifth.

*Figure 27: Validation of Add Employee*



The screenshot shows the 'Customers' section of the HardCORE Hardware Online Store. The sidebar menu is identical to Figure 27. The main content area displays a table of customers with columns for 'State', 'Status', and 'Image'. A modal window titled 'Add Customer' is open, prompting for 'Username' (containing 'ad'), 'Contact' (empty), 'Full Name' (containing 'tttq'), 'Date of Birth' (empty), 'Email' (empty), 'Address' (empty), and 'State' (empty). Validation messages are displayed: 'Username is Required' and 'Please follow the format 0123456789' for the first field; 'Name is Required' for the second; 'Email is Required' for the third; 'Address is Required' for the fourth; and 'State is Required' for the fifth. Below the modal, a table lists five states: Kuala Lumpur, Johor, Selangor, and two others whose names are partially visible.

*Figure 28: Validation of Add Customer*



In this project, the TryParse() method was used for input validation to ensure that user input was in the correct format before processing. This helped to prevent runtime errors due to invalid input. Additionally, application-level error handling was implemented using the Application\_Error() method in the Global.asax file. This allowed the application to catch and handle unhandled exceptions, log the error message, and redirect the user to a specific page. By using both techniques, the application was able to ensure a better user experience by preventing and handling errors in a proactive manner.

```
float.TryParse(txtProdPrice.Text, out prodPrice);
```

Figure 29: Sample of TryParse() Error Handling

```
protected void Application_Error(object sender, EventArgs e)
{
    // Get the exception object.
    Exception ex = Server.GetLastError();

    // Log the exception.
    // You can use any logging mechanism here, such as log4net or NLog.
    // Here's an example using the built-in ASP.NET Trace class:
    Trace.TraceError("An unhandled exception occurred: " + ex.Message, ex);

    // Clear the error from the server.
    Server.ClearError();

    // Redirect the user to a page.
    Response.Redirect("~/ClientPage/Logout.aspx");
}
```

Figure x: Application Level Error Handling



## 5.0 Web Application User Manual

Welcome to HardCORE, the premier online store for computer hardware enthusiasts. Our online store provides a seamless shopping experience for users to browse and purchase computer hardware products. Our website includes a variety of features, including an account module for customers to manage their personal information, an order module with PayPal integration for secure and convenient payments, an add-to-cart module for easy product selection, and a product browsing module to find the latest computer hardware products in the client site.

The admin site of the HardCORE computer hardware online store provides an interface for managing the website's data, including employee and customer information, product listings, and voucher details. The site includes a data maintenance module, which allows administrators to add, update, or delete data in the system. In addition, the site features a dashboard that provides an overview of recent activities, such as new orders as well as comparison of current sales performance with previous days and months. Administrators can also generate reports on orders, products, vouchers and customers to help analyze sales trends and make informed business decisions. Overall, the admin site provides an efficient and streamlined approach to managing the online store's data and operations.

This user manual is designed to guide you through the various features and functionalities of our website. Whether you are a computer hardware enthusiast or just looking for the latest products, we hope you enjoy your experience with HardCORE.



## 5.1 Account Module

### 5.1.2 Sign Up

**Sign Up**

Username  Contact Number

Full Name

Date Of Birth

Email address

Password

Confirm Password

Show Password

**Sign Up**

Already have an account? [Login](#)



1. To sign up for a new account, navigate to the HardCORE website and click on the "Sign Up" button.
2. You will be directed to a registration page where you will need to enter the following information:



|                         |   |
|-------------------------|---|
| <b>Username</b>         | Enter a unique username of your choice  |
| <b>Contact Number</b>   | Enter your phone number in the correct format   |
| <b>Full Name</b>        | Enter your full name.   |
| <b>Date of Birth</b>    | Enter your date of birth in the format of dd/mm/yyyy  |
| <b>Email Address</b>    | Enter your email address  |
| <b>Password</b>         | Create a password that is at least 8 characters long and contains a combination of letters, numbers, and special characters |
| <b>Confirm Password</b> | Re-enter your password for verification   |

*Note: If any of the fields are not entered correctly, an error message will appear prompting you to correct the field before proceeding.*

3. Click the “Sign Up” button. Once you have successfully signed up, you will be redirected to the login page where you can enter your username and password to access your account.



### 5.1.2 Login



## Login

Username

Password  
 

Remember me [Forgot password?](#)

[Login](#)

[Don't have an account? Sign Up](#)

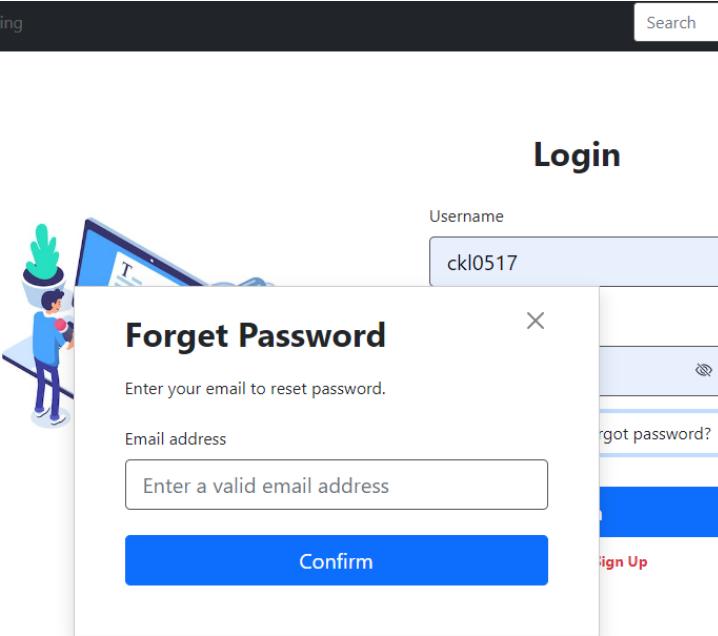
To access your account, you must first log in. Here are the steps to log in:

1. Go to the HardCORE website and click on the "Login" button located at the top right-hand corner of the screen.
2. Enter your username in the "Username" field.
3. Enter your password in the "Password" field.
4. If you want the website to remember your login information, click the "Remember me" checkbox.
5. Click the "Login" button.
6. If you have entered the correct login information, you will be taken to the Homepage.

*Note: If you have forgotten your password, click on the "Forgot Password" link and follow the instructions to reset your password.*

*Note: Remember to log out of your account when you are finished using the website to protect your personal information.*

## 5.1.3 Forgot Password



The screenshot shows the HardCORE Hardware Online Store's login page. At the top, there is a navigation bar with links for "HardCORE", "Products", "Vouchers", "Tracking", a search bar, and "Login" and "Sign Up" buttons. A modal window titled "Forgot Password" is open. It contains fields for "Email address" (with placeholder "Enter a valid email address") and a "Confirm" button. To the right of the modal, there is a "Login" form with a "Username" field containing "ckl0517", a "Password" field with an eye icon, and a "Forgot password?" link. Below the login form are "Sign In" and "Sign Up" buttons.

1. Click on the "Forgot Password" link on the login page.
2. Enter your email address associated with your account.
3. Click on the "Reset Password" button.
4. An email will be sent to your email address with instructions on how to reset your password.



HardCORE Change Password Request External Inbox x

hardcorestore888@gmail.com  
to me ▾

Please be informed that you have requested to reset password using email address, click on the link to visit password reseting page.  
[Reset Password](#)

Please ignore this or report to us if the action is not performed by you.

◀ Reply ▶ Forward

5. Check your email inbox and click on the reset password link provided in the email.
6. You will be redirected to a new page where you can enter your new password.



**Reset Password**

Password

Enter password

Confirm Password

Confirm password

Show Password

**Reset**

7. Enter your new password twice to confirm it.
8. Click on the "Reset" button to complete the process.

*Note: If you do not receive an email from us, please check your spam folder or contact our customer support team for assistance.*



#### 5.1.4 Profile Maintenance

HardCORE Products Vouchers Tracking Search



ckl0517

Edit Profile

|               |   |
|---------------|---|
| Full Name     | Chean Kae Lun                                       |
| Date Of Birth | 17/5/2002   |
| Email         | cheankl-wm20@student.t                              |
| Phone         | 0183715153  |
| Address       | No17 Jalan9/18A Taman Mastiara Batu Lima Jalan Ipoh |
| State         | Kuala Lumpur  |

---

#### Order History

| Order ID   | Date       | Address               | Qty | Total(RM) | Payment ID           | Status    | Details               |
|------------|------------|-----------------------|-----|-----------|----------------------|-----------|-----------------------|
| ORD0000020 | 08-04-2023 | No17 Jalan9/18A Ta... | 2   | 2616.85   | PAYID-MRMKYDQ43F...  | Completed | <button>View</button> |
| ORD0000021 | 09-05-2023 | No17 Jalan9/18A Ta... | 1   | 6699.00   | PAYID-MRMTQBA3F2...  | Completed | <button>View</button> |
| ORD0000025 | 09-05-2023 | No17 Jalan9/18A Ta... | 7   | 643.00    | PAYID-MRM342Y6XJ0... | Pending   | <button>View</button> |

The profile maintenance module allows users to view and update their personal information such as contact details and shipping address.

1. Log in to your account using your username and password.
2. Click on the "Profile" link located at the top of the page.
3. You will be redirected to the profile page.
4. You can update your profile picture, email, contact, shipping address by clicking on the "Edit Profile" button and entering the new information.
5. Click on the "Save" button to save your changes.

*Note: Some fields may be required, and the system will prompt you to enter the required information*



## 5.2 Cart Module

### 5.2.1 Browse Product

HardCORE Products Vouchers Tracking Search Cart User

#### Latest Products

GeForce RTX 40  
**BEYOND FAST**

GeForce RTX 4080  
Computer Part  
3517.85 6qty

GeForce RTX 3080  
Computer Part  
2599.99 6qty

AMD Ryzen 3 3200G  
Laptop  
3699.79 10qty

Intel i9-10900X  
Computer Part  
8888.88 12qty

Acer Nitro 5  
Laptop  
6899.00 20qty

• • • •

*Home Page Recommendation*



HardCORE Products Vouchers Tracking

Nitro

Filter by: All Products Lowest to Highest



**Nitro ED0**  
Computer Part  
579.80 1qty



**Nitro Gaming Desktops**  
Computer Part  
3759.49 35qty



**Acer Nitro 5**  
Laptop  
6899.00 20qty

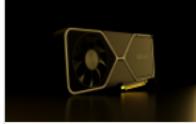
Previous 1 Next

Search Product



HardCORE Products Vouchers Tracking Search Cart User

Filter by: All Products Lowest to Highest

|   |   |  |  |  |
|---|---|--|--|--|
| <br>Pure Duo 12<br><small>Computer Part</small><br>89.00 7qty        | <br>Hyper 212 LED<br><small>Computer Part</small><br>99.00 7qty      | <br>MSI Power Supply<br>MEG AI100P<br><small>Computer Part</small><br>389.99 99qty | <br>ASUS M3200<br><small>Computer Part</small><br>550.50 5qty   | <br>Nitro ED0<br><small>Computer Part</small><br>579.80 1qty            |
| <br>New Inspiron Desktop<br><small>Desktop</small><br>1985.99 9qty   | <br>GeForce RTX 3080<br><small>Computer Part</small><br>2599.99 6qty | <br>GeForce RTX 3070Ti<br><small>Computer Part</small><br>2699.99 12qty            | <br>ASUS M3200<br><small>Computer Part</small><br>2749.00 15qty | <br>Acer ENDURO N3<br><small>Laptop</small><br>2997.33 15qty            |
| <br>GeForce RTX 4080<br><small>Computer Part</small><br>3517.85 6qty | <br>AMD Ryzen 3 3200G<br><small>Laptop</small><br>3699.79 10qty      | <br>Nitro Gaming<br>Desktops<br><small>Computer Part</small><br>3759.49 35qty      | <br>Aspire XC<br><small>Desktop</small><br>3999.00 9qty         | <br>MSI Raider GE78 HX<br>13V<br><small>Laptop</small><br>6198.99 30qty |

Previous 1 2 Next

*Product Page*

1. On the homepage, you can see a list of recommended products.
2. You can also use the search bar to find a specific product based on the product's name.
3. Click on a product to view its details.



### 5.2.2 Add To Cart

HardCORE Products Vouchers Tracking

Search

### Shopping Cart

| Product       | Quantity                       | Price |
|---------------|--------------------------------|-------|
| Hyper 212 LED | <input type="text" value="1"/> | 99.00 |

Address: No17 Jalan9/18A Taman Mastiara Batu Lima Jalan Ipo  
State: Kuala Lumpur  
 Default Address

Promocode:

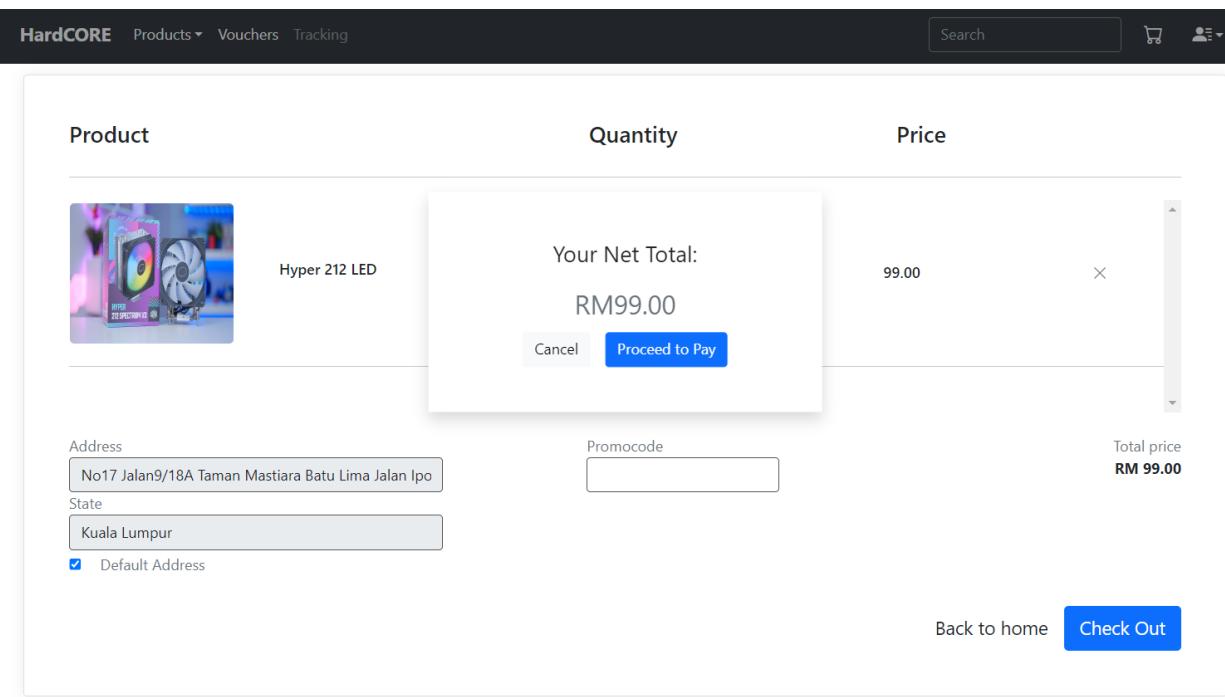
Total price: RM 99.00

[Back to home](#) [Check Out](#)

1. On the product page, select the desired quantity of the product.
2. Click the "Add to Cart" button to add the product to the cart.
3. The product will be added to the cart and you will be redirected to the cart page.
4. On the cart page, you can review your added products and their quantities.
5. You can also update the quantity or remove the products from the cart.

## 5.3 Order Module

### 5.3.1 Make Payment



The screenshot shows a payment interface for a single item: Hyper 212 LED. The total price is RM99.00. The page includes fields for address (No17 Jalan9/18A Taman Mastiara Batu Lima Jalan Ipo, Kuala Lumpur) and promocode. A note at the bottom encourages checking the default address.

Product: Hyper 212 LED

Your Net Total: RM99.00

Address: No17 Jalan9/18A Taman Mastiara Batu Lima Jalan Ipo  
State: Kuala Lumpur

Promocode:

Total price: RM 99.00

Default Address:

Back to home Check Out

*Note: Check the default address if you want to use the address saved in the profile*

1. Enter a valid promo code if you have any.
2. Enter your shipping details.
3. Click the "Checkout" button to proceed to the checkout page.

*Note: Check the default address if you want to use the address saved in the profile*



4. A net total will be displayed for confirmation prior payment.
5. Click the “Proceed to Pay” button.
6. You will be redirected to the Paypal website to complete the payment.
7. After the payment is completed, you will be redirected back to the website and a confirmation message will be displayed.

That's it! You have successfully purchased products from HardCORE's online store.



## 5.4 Data Maintenance Module

Data maintenance is an essential part of the admin site. It allows administrators to add, edit, and delete various data records in the system, such as products, customers, employees, and vouchers.

*Note: To access the data maintenance module, log in as an administrator or staff.*

### 5.4.1 Dashboard

Incomplete Orders

| Order ID   | Date                 | Total(RM) | Quantity | Shipment Address          | Buyer    | Payment ID      | Status  | Action                  |
|------------|----------------------|-----------|----------|---------------------------|----------|-----------------|---------|-------------------------|
| ORD0000022 | 7/5/2023 12:00:00 AM | 7888.88   | 1        | No17 Jalan9/18A Taman ... | jess0119 | PAYID-MRM2C...  | Pending | <button>Status</button> |
| ORD0000023 | 6/5/2023 12:00:00 AM | 15902.58  | 5        | No17 Jalan9/18A Taman ... | jess0119 | PAYID-MRM2B...  | Pending | <button>Status</button> |
| ORD0000024 | 5/5/2023 12:00:00 AM | 9148.27   | 4        | Lot 25698 Jalan Melati 21 | jess0119 | PAYID-MRM2CR... | Pending | <button>Status</button> |
| ORD0000025 | 9/5/2023 12:00:00 AM | 643.00    | 7        | No17 Jalan9/18A Taman ... | ckl0517  | PAYID-MRM342... | Pending | <button>Status</button> |

1. The data maintenance module provides a dashboard where you can view the recent orders, sales and incomplete orders.
2. Additionally, there is a line chart that demonstrates the pattern of sales of recent 7 days sales.
3. Click on the “Status” button to update the status of a particular order.



## 5.4.2 Order/Products/Vouchers/Employee/Customer Maintenance

HardCORE

- Dashboard
- Orders
- Products
- Vouchers
- Employees
- Customers

admin ▾ ←

### All Products

| Product ID | Name                        | Description   | Category      | Price(RM) | Quantity | Image | Action  |
|------------|-----------------------------|---|---------------|-----------|----------|-------|---|
| PRD0000001 | GeForce 4080                | The NVIDIA® GeForce RTX™ 4080 delivers the ultra performance and features that enthusiast gamers and creators demand.   | Computer Part | 3517.85   | 6        |       | <button>Edit</button> <button>Delete</button> |
| PRD0000002 | GeForce 3080                | The GeForce RTX™ 3080 Ti and RTX 3080 graphics cards deliver the ultra performance that gamers crave, powered by Ampere   | Computer Part | 2599.99   | 6        |       | <button>Edit</button> <button>Delete</button> |
| PRD0000003 | AMD Ryzen 3 3200G           | ROG Strix Scar 18 (2023) G834J-YN6068W  | Laptop        | 3699.79   | 10       |       | <button>Edit</button> <button>Delete</button> |
| PRD0000004 | Intel i9-10900X             | 10 Cores up to 4.7GHz, Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512  | Computer Part | 8888.88   | 12       |       | <button>Edit</button> <button>Delete</button> |
| PRD0000005 | Nitro 5 Intel AN515-57-74PF | Go full throttle with an 11th Gen Intel® Core™ i7 processor1, GeForce RTX™ 30 Series GPUs1 and the high-speed IPS FHD display with 144Hz refresh and 3ms2 response. | Laptop        | 6899.00   | 20       |       | <button>Edit</button> <button>Delete</button> |

1 2 3 4



HardCORE

- Dashboard
- Orders**
- Products
- Vouchers
- Employees
- Customers

admin ▾ ←

## All Orders

| Order ID   | Date       | Total(RM) | Quantity | Shipment Address            | Buyer    | Payment Id       | Status    | Action                  |
|------------|------------|-----------|----------|-----------------------------|----------|------------------|-----------|-------------------------|
| ORD0000020 | 08/04/2023 | 2616.85   | 2        | No17 Jalan9/18A Taman Ma... | ckl0517  | PAYID-MRMKYD...  | Completed | <button>Status</button> |
| ORD0000021 | 09/05/2023 | 6699.00   | 1        | No17 Jalan9/18A Taman Ma... | ckl0517  | PAYID-MRMTQB...  | Completed | <button>Status</button> |
| ORD0000022 | 07/05/2023 | 7888.88   | 1        | No17 Jalan9/18A Taman Ma... | jess0119 | PAYID-MRMTTVY... | Pending   | <button>Status</button> |
| ORD0000023 | 06/05/2023 | 15902.58  | 5        | No17 Jalan9/18A Taman Ma... | jess0119 | PAYID-MRM2BOY... | Pending   | <button>Status</button> |
| ORD0000024 | 05/05/2023 | 9148.27   | 4        | Lot 25698 Jalan Melati 21   | jess0119 | PAYID-MRM2CRY... | Pending   | <button>Status</button> |
| ORD0000025 | 09/05/2023 | 643.00    | 7        | No17 Jalan9/18A Taman Ma... | ckl0517  | PAYID-MRM342Y... | Pending   | <button>Status</button> |

Generate Report

Page 37



HardCORE

- Dashboard
- Orders
- Products
- Vouchers
- Employees
- Customers

admin ▾ ←

## All Vouchers

| PromoCode       | Discount(RM) | Min.Spend(RM) | Status                              | Start Date | Expiry Date | Action  |
|-----------------|--------------|---------------|-------------------------------------|------------|-------------|---|
| BUYNOW          | 50.00        | 0.00          | <input checked="" type="checkbox"/> | 09/05/2023 | 10/05/2023  | <button>Edit</button> <button>Delete</button> |
| CKBirthday      | 1000.00      | 2000.00       | <input checked="" type="checkbox"/> | 08/05/2023 | 17/05/2023  | <button>Edit</button> <button>Delete</button> |
| GHOSTFESTIVAL   | 200.00       | 1500.00       | <input checked="" type="checkbox"/> | 09/05/2023 | 13/05/2023  | <button>Edit</button> <button>Delete</button> |
| HardCoreOpening | 200.00       | 1000.00       | <input checked="" type="checkbox"/> | 08/05/2023 | 30/06/2023  | <button>Edit</button> <button>Delete</button> |
| PROMOCORE       | 10.00        | 150.00        | <input checked="" type="checkbox"/> | 09/05/2023 | 31/05/2023  | <button>Edit</button> <button>Delete</button> |

Search Generate Report Add Voucher



HardCORE

- Dashboard
- Orders
- Products
- Vouchers
- Employees**
- Customers

admin ▾

Employees

Search

Add Employee

| Username | Name   | Email                     | Contact     | Address                   | Status                              | Action                                      |
|----------|--------|---------------------------|-------------|---------------------------|-------------------------------------|---|
| staff2   | Jessie | liwejss@gmail.com         | 0113312338  | Lot 25698 Jalan Melati 21 | <input type="checkbox"/>            | <a href="#">Edit</a> <a href="#">Delete</a> |
| test     | test   | lamontchean0517@gmail.com | 01111111119 | test                      | <input checked="" type="checkbox"/> | <a href="#">Edit</a> <a href="#">Delete</a> |



HardCORE

- Dashboard
- Orders
- Products
- Vouchers
- Employees
- Customers**

admin ▾ ←

## Customers

| Name          | Email                            | Contact    | Date Of Birth | Address                 | State        | Status                              | Image |
|---------------|----------------------------------|------------|---------------|-------------------------|--------------|-------------------------------------|-------|
| Chean Kae Lun | cheankl-wm20@student.tarc.edu.my | 0183715153 | 17-05-2002    | No17 Jalan9/18A Tam...  | Kuala Lumpur | <input checked="" type="checkbox"/> |       |
| tttq          | ttt@tqt.comhgfh44                | 0172389855 | 19-06-2001    | No17 Jalan9/18A Tam...  | Johor        | <input checked="" type="checkbox"/> |       |
| Jessie Liew   | jessiel-wm20@student.tarc.edu.my | 0109025428 | 19-01-2002    | Lot 25698 Jalan Mela... | Selangor     | <input checked="" type="checkbox"/> |       |
| Jessieisis    | nicholasyqn-wm20@st.ddfs         | 0109025476 | 09-11-2001    |                         |              | <input checked="" type="checkbox"/> |       |
| Loo Yean Ter  | looyt-wm20@student.tarc.edu.my   | 0107127025 | 15-11-2002    |                         |              | <input checked="" type="checkbox"/> |       |

12

### Add Function:

1. To add a new record, click on the "Add" button. This will open up a form where you can enter the details of the new record. Fill in all the required fields and click on the "Add" button to add the new record to the system.



Edit Function:

1. To edit an existing record, click on the "Edit" button next to the record you wish to edit. This will bring you to the edit form where you can make the necessary changes. Once you have made the changes, click on the "Update" button to save the changes.

All Products

**Edit Product**

| Product ID  | Product Name   | Product ID  |        |         |
|-------------|--|---|--------|---------|
| PRD00000001 | GeForce RTX 4080   | PRD00000001   |        |         |
| PRD00000002 | Product Description<br>The NVIDIA® GeForce RTX™ 4080 delivers the ultra performance and features that enthusiast gamers expect from the most advanced GPU ever made. | Price<br>3517.85  |        |         |
| PRD00000003 | Quantity<br>6  | Category<br>Computer Part   |        |         |
| PRD00000004 | Upload Image<br><input type="button" value="Choose File"/> No file chosen  | <input type="button" value="Update"/>   |        |         |
| PRD00000005 | Nitro 5 Intel AN515-57-74PF  | Go full throttle with an 11th Gen Intel® Core™ i7 processor, GeForce RTX™ 30 Series GPUs and the high-speed IPS FHD display with 144Hz. | Laptop | 6899.00 |



### Delete Function:

1. To delete a record, click on the "Delete" button next to the record you wish to delete. This will prompt you to confirm the deletion. Click on the "Confirm" button to confirm the deletion, or click on the "Cancel" button to cancel.

| All Products |                   |   |               |           |          |       |   |
|--------------|-------------------|---|---------------|-----------|----------|-------|---|
| Product ID   | Name              | Description   | Category      | Price(RM) | Quantity | Image | Action  |
| PRD0000001   | GeForce RTX 4080  | The NVIDIA® GeForce RTX™ 4080 delivers the ultra performance and features that enthusiast gamers and creators demand. | Computer Part | 3517.85   | 6        |       | <button>Edit</button> <button>Delete</button> |
| PRD0000002   | GeForce RTX 3080  | The Geforce RTX 3080 performs   | Computer Part | 2599.99   | 6        |       | <button>Edit</button> <button>Delete</button> |
| PRD0000003   | AMD Ryzen 3 3200G | ROG Strix Scar 18 (2023) G834J-YN606W   | Laptop        | 3699.79   | 10       |       | <button>Edit</button> <button>Delete</button> |
| PRD0000004   | Intel i9-10900X   | 10 Cores up to 4.7GHz, Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512                                      | Computer Part | 8888.88   | 12       |       | <button>Edit</button> <button>Delete</button> |

Are you sure to delete?

Cancel

Confirm

*Note: Activation and deactivation of status are available on Voucher, Employee and Customer*



## 5.4.3 Generate Report

HardCORE

- Dashboard
- Orders
- Products**
- Vouchers
- Employees
- Customers

admin ▾ ←

### All Products

| Product ID | Name                        | Description   | Category      | Price(RM) | Quantity | Image | Action  |
|------------|-----------------------------|---|---------------|-----------|----------|-------|---|
| PRD0000001 |                             |   |               |           | 6        |       | <button>Edit</button> <button>Delete</button> |
| PRD0000002 |                             |   |               |           | 6        |       | <button>Edit</button> <button>Delete</button> |
| PRD0000003 |                             |   |               |           | 10       |       | <button>Edit</button> <button>Delete</button> |
| PRD0000004 | Intel i9-10900X             | 10 Cores up to 4.7GHz, Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512  | Computer Part | 8888.88   | 12       |       | <button>Edit</button> <button>Delete</button> |
| PRD0000005 | Nitro 5 Intel AN515-57-74PF | Go full throttle with an 11th Gen Intel® Core™ i7 processor1, GeForce RTX™ 30 Series GPUs1 and the high-speed IPS FHD display with 144Hz refresh and 3ms2 response. | Laptop        | 6899.00   | 20       |       | <button>Edit</button> <button>Delete</button> |

1234

**Generate Report**

Select Month&Year

**Generate**

Generating reports is an essential feature of the admin site, which allows the admin to keep track of various aspects of the website, including orders, products, customers, and vouchers. Here's a step-by-step guide on how to generate reports:

1. Click on the “Generate Report” button.
2. Select the month and year available in the dropdownlist.
3. Click on the “Generate” button.
4. A report in .pdf format will be downloaded.