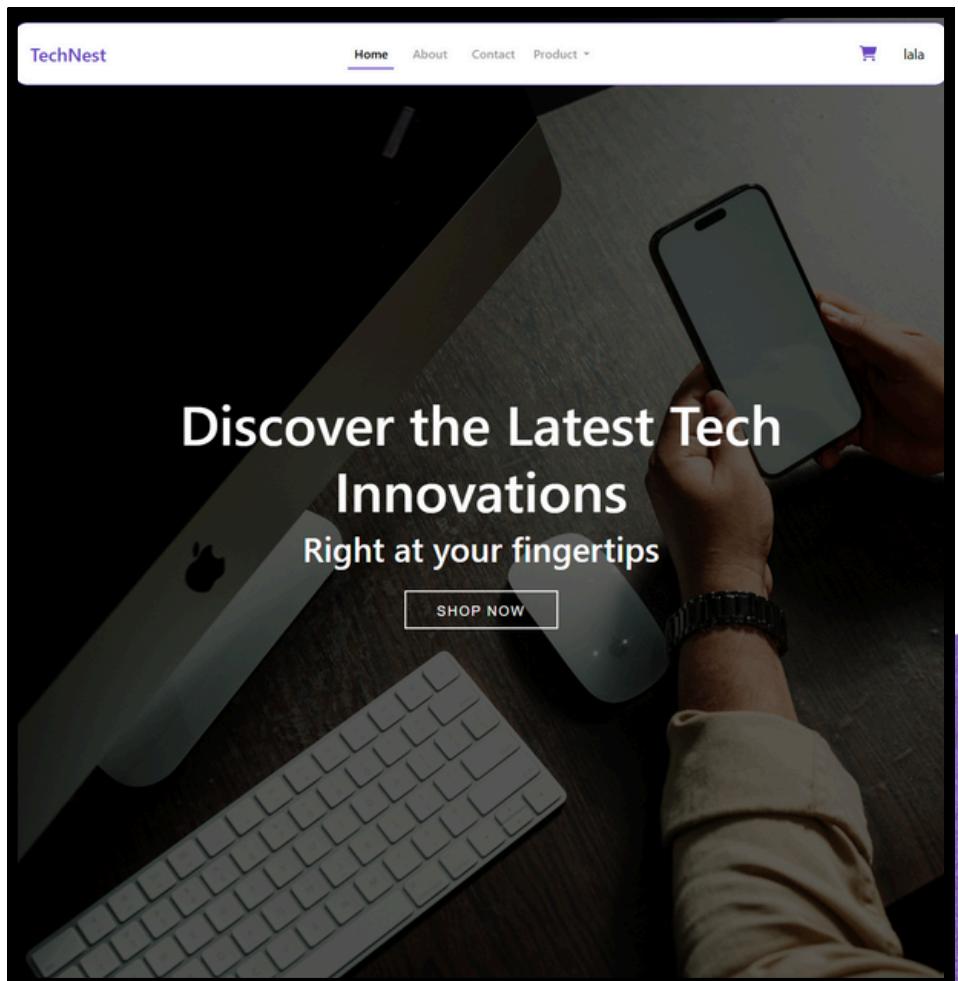


TECHNEST

USER MANUAL



Writer:

Nur Athirah Binti Hilalluddin

TABLE OF CONTENT

1.0 Introduction	2
1.1 Project Background	2
1.2 Problem Statement	2
1.3 Objectives	3
1.4 Project Scope and Target User	4
2.0 System Requirement	6
2.1 Functional Requirements	6
2.2 Non-Functional Requirements	7
2.3 Hardware and Software Requirements	8
2.4 Data Flows	10
Figure 2.4.1: Admin FlowChart	10
Figure 2.4.2: User FlowChart	11
Figure 2.4.3: ERD	12
2.5 User Access Levels	13
3.0 Conclusion	14
3.1 Achievement	14
3.2 Project Evaluation	15
Figure 3.2.1: Responder Email	15
Figure 3.2.2: Question 1	16
Figure 3.2.3: Question 2	16
Figure 3.2.4: Question 3	16
Figure 3.2.5: Question 4	17
Figure 3.2.6: Question 5	17
Figure 3.2.7: Question 6	17
Figure 3.2.8: Question 7	18
Figure 3.2.9: Question 8	18
Figure 3.2.10: Question 9	19

Figure 3.2.11: Question 10	20
Project Folder Link	21
APPENDIX	21
REFERENCES	53

1.0 Introduction

1.1 Project Background

The ever-evolving online shopping platform makes the customer resort to online gadgets and accessories shopping from online stores to avoid the inconveniences involved in physical shopping. However, many platforms could be challenging or way too complicated for the customer who simply wants to purchase retail goods. Also, in the case of many small businesses, they might feel that they cannot easily organize user information or sales without this simplified management system.

This project is designed to meet the requirement of having an exquisite, easily searchable gadget store, including gaming consoles, the latest phones, smart devices, the best drones, electric bikes, and the most sought-after gadgets and accessories. The project of creating a simple e-commerce website will help to provide both the tech audience with easy-to-understand product specifications and an easy way to complete a purchase.

On the administrative side, basic admin dashboards are offered to handle fundamentals of business like products, users' tracking, and sales. This straightforward design will allow the business to control its inventory, monitor customers, and analyze the sales outcome while ensuring the security of transactions and user information.

This project, therefore, meets a dual purpose: it improves an interaction with a customer by providing a visually convenient and easy to navigate platform for a purchase and de-clutters the management panel, which is logical and easy to navigate for the business owner.

1.2 Problem Statement

The overall e-commerce market is relatively saturated, and especially in the technology niche, it is heavily competitive and contains a lot of business owners; however, none consolidated with a very positive user experience optimization for the shopping process regarding gadgets and techwear accessories. This lack of a dedicated, seamless

platform results in various issues that impact both user satisfaction and business efficiency.

1.2.1 Limited Product Categories

It's critical to note that most online marketplaces are general in their product offering but with a specific niche, and gadgets are not typically the main focus. In this case, most customers carry out some searches for tech products and end up being buried in such categories that they lead to other products that are not most relevant to their inquiry. A specialized store that sells only devices makes this process easier and enhances the shopping experience for customers.

1.2.2 Suboptimal User Interface (UI)

One typical problem that is characteristic of many tech e-commerce platforms is an UI that is messy and could be outdated, and, therefore, makes navigation not only difficult but frustrating. Generic interfaces seldom have obvious structuring of content, easy ways of searching, or good designs, which makes it cumbersome to locate products to purchase or carry out the purchase process. A modern and well-organized design that has been optimized for gadgets would highly increase the level of customers' satisfaction.

1.2.3 Inadequate Inventory Management

Back-end issues that most e-commerce sites face include issues in stock control, updating, and order tracking. These issues include wrong stock availability and delayed support responses, all of which are a frustration to customers who may end up receiving incorrect product availability or waiting longer than expected.

1.3 Objectives

1.3.1 To develop a straightforward and user-friendly platform where customers can browse and purchase gadgets and tech accessories

The website layout will be relatively plain and easy to navigate to offer the customers the ability to browse through products by category and have them added to the shopping cart for checkout.

1.3.2 To implement a basic, secure login system that protects user information by storing passwords in an encrypted format

User login credentials are well retained in that passwords are stored in the databases after being encrypted, thus affording the most basic security.

1.3.3 To create an admin dashboard for core management functions such as adding, editing, deleting, viewing, and searching for products

The admin dashboard can see the listing of registered users and is able to provide an overview of total sales through a simple report in the admin dashboard. Admins will again have a look at the sales general and will be able to monitor the performance of the platform by looking at sales figures. This data will enable a straight-forward tracking of business performance and achievement of the valued goals and also ensure that the website is responsive and works across devices.

These objectives relate to basic functionality and security features suitable for a TechNest Commerce. Some of them are user accessibility, average protection, and essential operating functions, which correspond to the project's minimalistic concept.

1.4 Project Scope and Target User

1.4.1 Project Scope

This project is about an e-commerce site involving gadgets to be sold where some vital functionalities will be implemented for both the customer and the administrative user. The scope includes:

1.4.1.1 User Features:

Product Browsing: Consumers can access gadgets by categories: gaming consoles, smartphones and smart devices, drones, electric bikes, mobile gadgets, and other gadgets.

Product Details: The core attributes, including images, descriptions, and prices, will be provided on every product's page.

Add to Cart and Checkout: Customers are able to place products into a shopping cart and then go through checkout.

User Account and Login: Users can register and log in to the system to access a customer's list of orders and customer profile.

1.4.1.2 Admin Features:

Product Management: Admin has a wide range of access for this e-commerce, including adding, deleting, and editing products, as well as searching through the product listing.

Sales Overview: Total sales can be viewed by admins to show performance of the business.

Simple Security: The system has the simplest login for customers and admins with an encrypted password, so it has a minimum protection for both admin and customer information.

1.4.2 Target Users

Customers

The target demographic are people who intend to purchase gadgets and related accessories. This group will be able to experience a basic online shopping process with easy access to several technology items.

Admin

The individual or authorized company representative is responsible for the day-to-day running of the business and the administration of product and user accounts. They will have a simpler graphical control panel for efficient management and organization and a tool for monitoring users, product details, and sales.

2.0 System Requirement

2.1 Functional Requirements

2.1.1 User Registration and Login

Customer Account Creation: Users can sign up by entering their particulars, including name, email address, password, and the information is safe in the users database.

Login Functionality for Both Users and Admins: Customers and admins will log in using the same mechanism here although their roles will be different. Since there will be user authentication, the users enter their email and password, which will be checked with the users table in the database. The users are stored in a column of the table called role that will serve to distinguish a regular user and admin. By default, regular user will be 0 and admin will be 1.

2.1.3 Product Catalog and Browsing

Product Listings: The website will feature product listings by categories including gaming consoles, smartphones, smart devices, drones, electric bikes and tech accessories. Each product will have:

- Product name
- Category
- Description
- Price
- Images

2.1.4 Shopping Cart and Checkout

Add to Cart: Products can be added by selecting the desired product through the cart icon.

View Cart: The ‘cart summary’ section of the site shows the product image, name, quantity, category, and price for each item, and after a customer has added it to their cart, they can modify the quantity or delete items if necessary.

Proceed to Checkout: Customers must select the product that they want to purchase; this is from the cart table, where column status_payment will only display product that by default is 0, and it will turn 1 after users click the checkout button, indicating that the user has successfully purchased the selected item through the checkbox.

Receipt: After checkout, users are able to view their selected item receipt.

2.1.5 Admin Dashboard

User Management: Admin only can view the total user register.

Product Management: Admins allow to add, edit, delete, search and view products in the product listing.

Sales Overview: The overall sales performance of a website can be tracked by the admin through total sales.

Out Of Stock: Admin can view the product that is currently out of stock based on the quantity from the product table that has turned 0 indicating the product is not available.

2.1.6 User Profile

Profile Management: Users can view and edit their personal information, including name, email, phone number, and address.

Purchase History: Users can view their purchase history, which includes details like order date, items purchased, quantities, prices, and order status.

2.2 Non-Functional Requirements

2.2.1 Performance

Page Load Time: Page loading within several seconds, preferably 3-5.

Add to Cart / Checkout: Navigation activities such as adding product to cart and moving to check out should take least time possible, probably not more than 2-3 seconds.

2.2.2 Security

Password Protection: Passwords created by the users will be stored encrypted in the database, so that nobody can access the passwords.

Login Security: Both users and admins will have to sign in and enter an encrypted password.

2.2.3 Reliability

Error Handling: The website displays error messages that are easy to understand for admins, and the application will not reveal any information when an error occurs (e.g., ‘An error occurred. Please try again.’).

2.2.4 Usability

User Interface: The web site is easy to navigate and simple for customers and admin to use. End-users should pay for products and services efficiently while for the back end users, they should be able to manage the customers and products efficiently.

Mobile-Friendly Design: The layout of the website is mobile friendly, also easy to navigate.

2.2.5 Maintainability

Simple Code Structure: The website must be minimalist or uncluttered and easy to upgrade or modify if the need arises.

2.3 Hardware and Software Requirements

2.3.1 Hardware Requirements

2.3.1.1 Development Machine:

Processor: AMD Ryzen 5 3500X 6-Core 3.60 GHz as we don't need any extra power for development purposes.

RAM: The testing and development need stimulators and functioning power and thus having sixteen gigabytes of installed RAM can provide that functionality.

Storage: Not less than fifty gigabytes of free disk space to accommodate the operating system, development tool, and locally hosted server.

Operating System: Windows 11 Pro to support different software development tools and server related platforms.

Display: Specifically, with the expectation of correct coding and enough design clarity it is better to have a screen with not less than 1920x1080 pixels.

Internet Connection: A steady reliable line to access libraries, frameworks, and other resources on the internet.

2.3.1.2 Testing Devices:

Desktop: Computer for the arrangements to browse the pages of the site's through desktop view.

2.3.2 Software Requirements

2.3.2.1 Operating System: We are using Windows 11 Pro (Version 23H2, Build 22631.4391) that provides compatibility with development tools in my system.

2.3.2.2 Development Tools: Visual Studio Code (VSCode): A simple and fast editor for PHP, HTML, CSS and JavaScript coding.

2.3.1.3 XAMPP: Three integrated cross-platform web servers – Apache, MySQL and PHP that enables creation of a local server environment.

2.3.1.4 PHP: The network-side scripting language for processing the user requests and processing the databases.

2.3.1.5 HTML/CSS: To build and design the frontend architecture of the website.

2.3.1.6 JavaScript: For interacting with the client side aspects of a website such as form validation and other dynamic content.

2.3.1.7 MySQL: Stands for structured query language and this is language used to handle and manipulate data in the database.

2.4 Data Flows

2.4.1 Admin Flow Chart

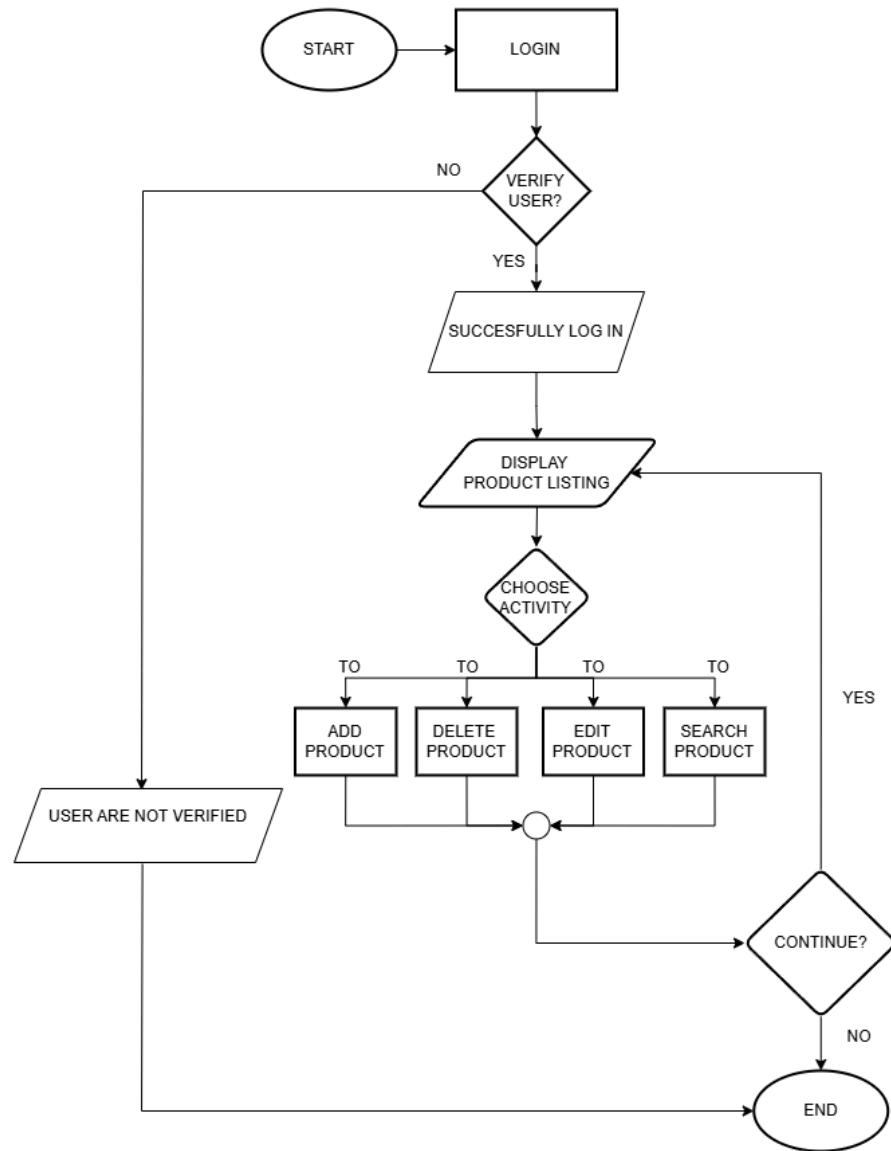


Figure 2.4.1: Admin FlowChart

2.4.2 User Flow Chart

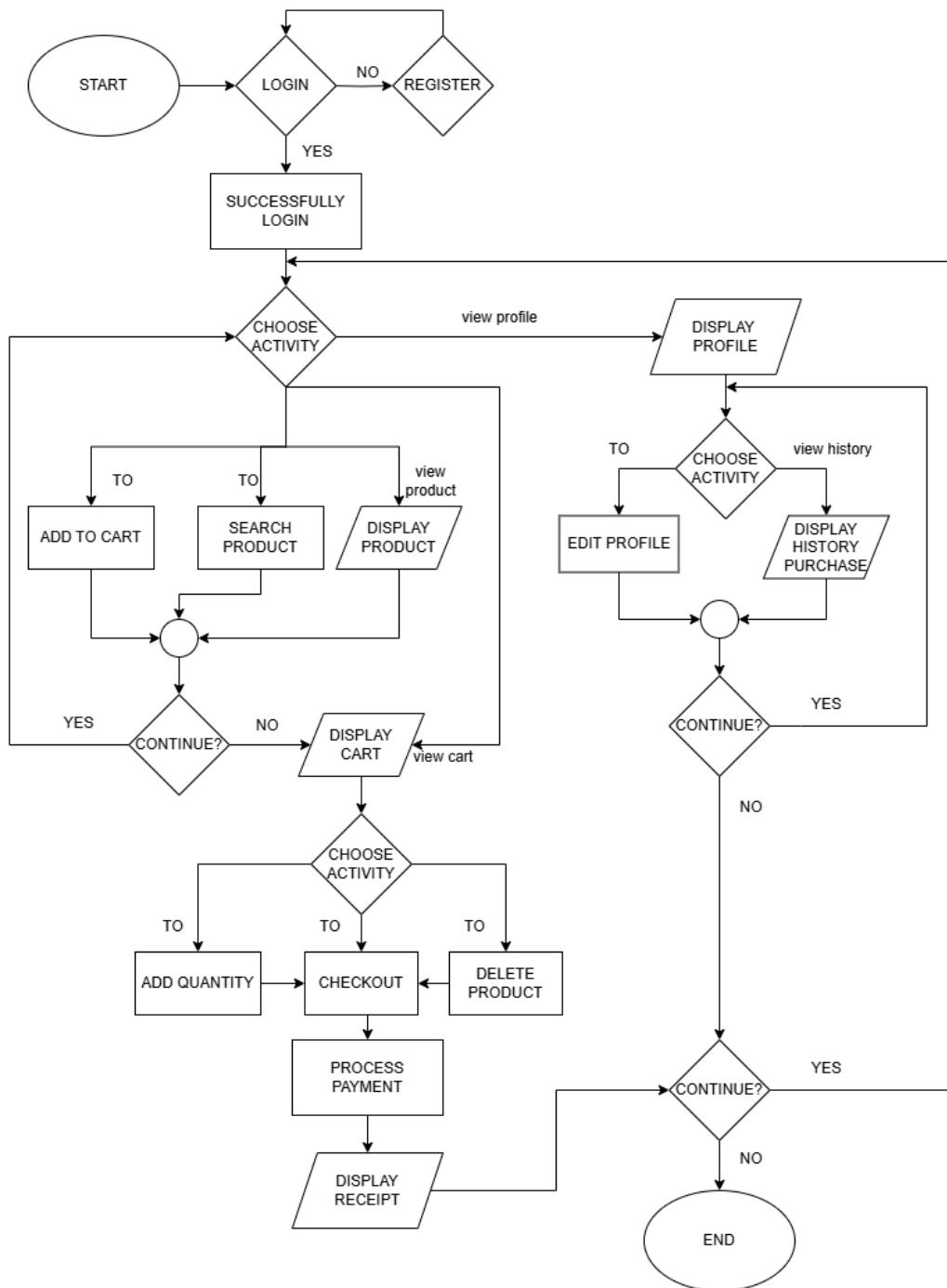


Figure 2.4.2: User FlowChart

2.4.3 ERD

TECHNEST ECOMMERCE ERD

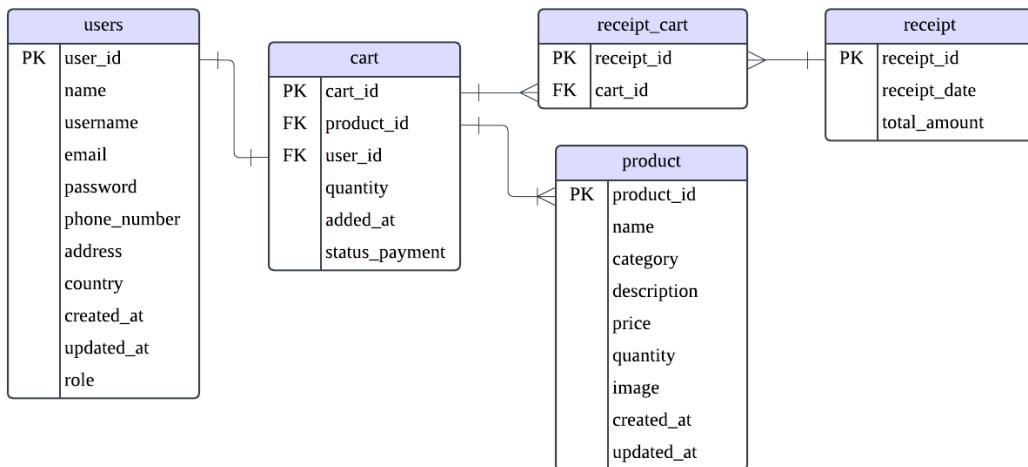


Figure 2.4.3: ERD

Admin FlowChart:

The admin flowchart is simple, where admin is only 1 for the Technest website, so there is no decision symbol for register. Upon login, they will redirect to `admin_dashboard.php`, where product listings are displayed on a table. Admins are able to add, delete, edit, and search products continuously until the end, where admins are logged out of the system.

User FlowChart:

User flowchart is a bit complex; they are required to register to login, then they are free to choose from search for product, add to cart, and view their cart. After viewing their cart, they are able to directly checkout or delete and add quantity. For the user profile,

they are able to edit their profile and view the history of purchases they made before.

ERD:

For the TechNest e-commerce website, we have a total of 5 tables, which are users, cart, product, receipt, and receipt_cart. Receipt_cart is necessary in this case because one cart can have many receipts and one receipt can have many carts; therefore, a junction table is created between these two tables.

2.5 User Access Levels

2.5.1 Admin

Permissions: Admin user has the authority to manage all features of the application and other functions like product management and total control on the selling information of the products. They can add, edit, delete, search and view products. Admins can also monitor user registrations and, and monitor sales performance in general.

Restrictions: None. Admin have all rights in the system they can go to the backend and perform all the activities of this system.

2.5.2 User

Permissions: The regular users can make orders, view products, edit their profile information, and check purchase history they made. They can also use features to search for specific products, add products in the shopping cart and perform check out.

Restrictions: Regular users do not have access to the admin panel, products settings and cannot see any of the restricted administrative information such as sales, total register user, etc.

3.0 Conclusion

In conclusion, the TechNest eCommerce platform is defined to be user-friendly so that the conventional shopping experience can be imitated for the users of this eCommerce platform. By continuing to provide an excellent opportunity for customers to search for and purchase various tech products, such as tech accessories, smartphones, gaming consoles, etc., with a simple user interface. These platforms allow the users to have full control of their profiles and their ability to view their history purchases.

An important advantage of the platform is the extensive set of features designed for managing products, sales tracking, and overseeing user registrations for administrators. The product listing is fully managed by the admins, who can add, edit, or remove items. This helps to keep the website running properly.

TechNest guarantees simplicity and secure data handling as the user roles are described precisely: while the administrators have full access to all possibilities, the user may have limited access, however, still have the best experience in selecting products based on category. The use of PHP, SQL, HTML/CSS, JavaScript, and XAMPP gives a good platform of technology in the current operations of the business and in future expansion, making TechNest a reliable platform for technology marketers.

3.1 Achievement

Throughout the development of the TechNest eCommerce platform, several key milestones and achievements were reached that contributed to the successful creation of a robust and user-friendly system:

Smooth User Interface Implementation

A simple and attractive design and layout interface for customers to search for products, update their profile and check history orders they made. It has a responsive design, so no matter what device the client uses to visit the web site, it will be comfortable.

Comprehensive Admin Panel

The admin panel was successfully implemented, offering features which include product management, sales tracking, and the management of user registrations. Admin can add., edit, view, and search products to the database easily, control the stocks, and analyze the website performance.

Secure and Scalable Database Structure:

A robust SQL database was created upon which user, product, cart, receipt information were safely inserted. The database is also flexibly designed to be extended as the platform grows in future without much strain on performance.

Effective User Access Management:

The user access levels (Admin and User) were implemented ensuring that all users will have privileges to only the features that belong to their role. This makes the platform more secure and functioning.

Successful Integration of Core Technologies:

Effective tools that were utilized for accomplishing this project were PHP, MySQL, HTML/CSS, JavaScript, and XAMPP and these made the front end and back end relatively efficient environments.

These achievements have helped to create a strong foundation for the TechNest platform to offer a unique and secure eCommerce solution that is not just easy for users, but efficient for administrators as well.

3.2 Project Evaluation

For this project, I have created a form to ask people some questions regarding my TechNest website using Google Forms. There are a total of 10 users who have responded to my questionnaire throughout the evaluation process.

Who has responded?

Email

keyboardmahal02@gmail.com

ziyadhilalluddin@gmail.com

imranfahmi2000@gmail.com

anakcinaberlari2@gmail.com

zakeeyoh@gmail.com

fizagreen13@gmail.com

muhammadsufi92@gmail.com

amirhaziq1552001@gmail.com

kl2307013925@student.uptm.edu.my

idcardttr@gmail.com

Figure 3.2.1: Responder Email

Did you find the product categories (tech accessories, gaming consoles, smartphones, etc.) clear and organized?

10 responses

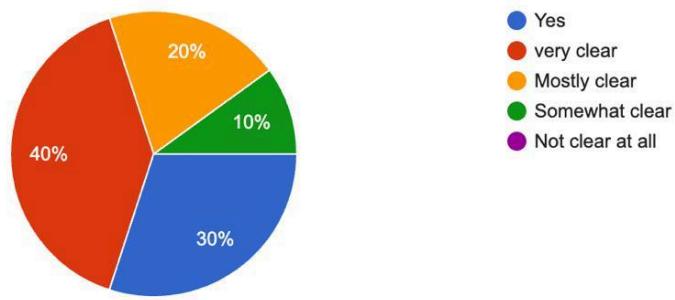


Figure 3.2.2: Question 1

How user-friendly did you find the product search and filtering features?

10 responses

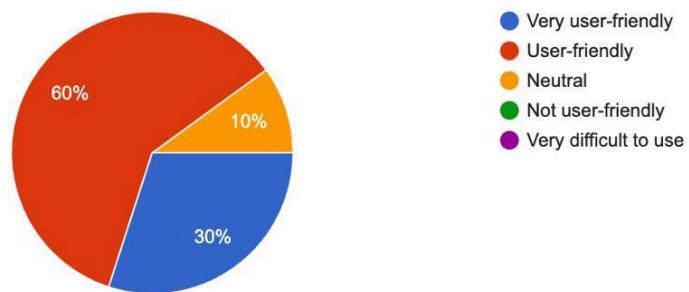


Figure 3.2.3: Question 2

How satisfied were you with the checkout process?

10 responses

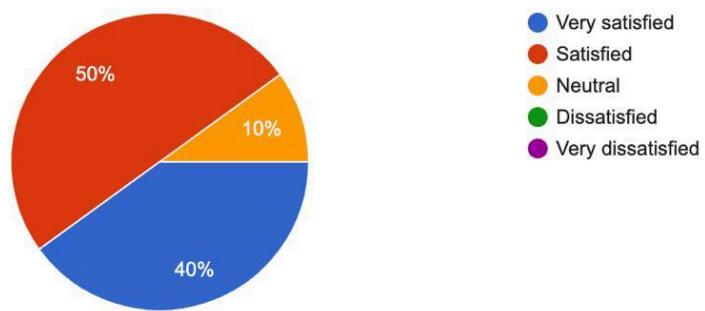


Figure 3.2.4: Question 3

How helpful did you find the product descriptions and images?

10 responses

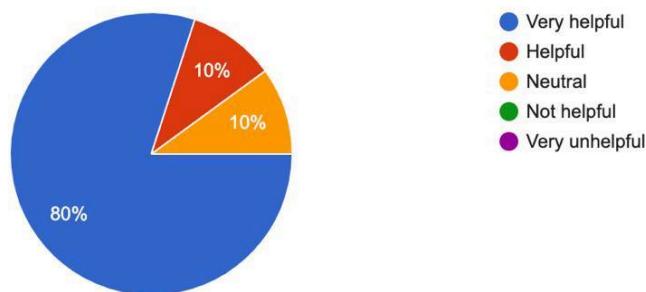


Figure 3.2.5: Question 4

How likely are you to recommend this eCommerce website to others?

10 responses

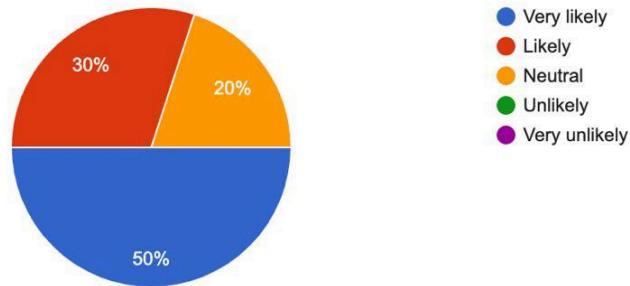


Figure 3.2.6: Question 5

Did you experience any issues while browsing or using the site (e.g., slow loading times, broken links, or errors)?

10 responses

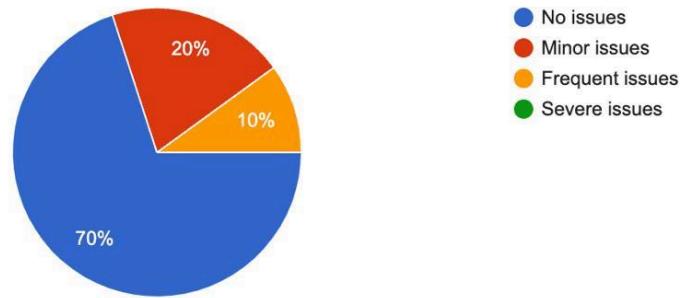


Figure 3.2.7: Question 6

How easy was it to navigate through the website?

[Copy chart](#)

10 responses

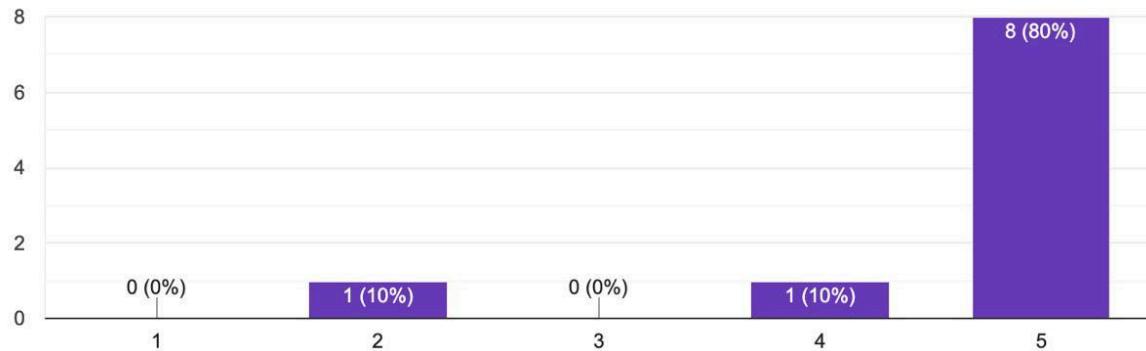


Figure 3.2.8: Question 7

How would you rate the overall design of the website?

[Copy chart](#)

10 responses

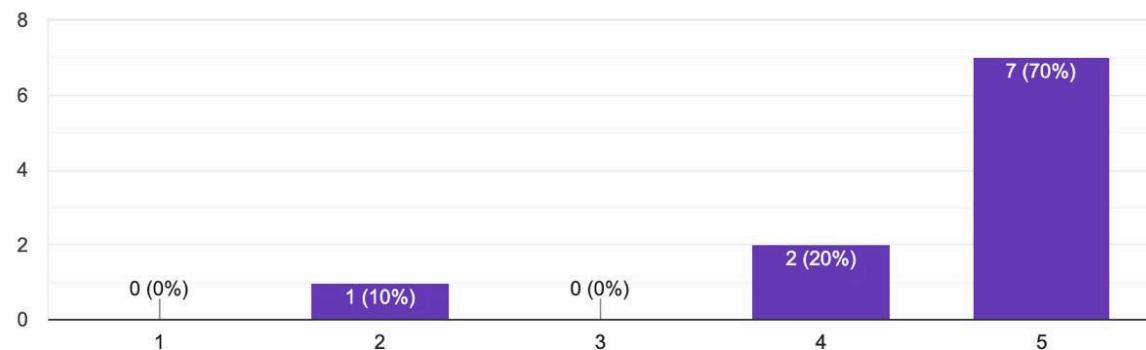


Figure 3.2.9: Question 8

What additional features or improvements would you like to see on this website?

10 responses

Offer live chat support to assist customers in real-time

none

more easy to use

Add sort by price features

Include live chat to help potential customers for any inquiries

Similar product comparison and product recommendation by most visited category

if site got 3D or immersive view for the product it would be great

Everything is already in good condition.

-

need more vibrant

Figure 3.2.10: Question 9

Any other comments or suggestions to help improve the website?

10 responses

Enhance product listings with high-quality images, detailed descriptions, and customer reviews

none

chat with chat gpt

No

Provide more information regarding the products such as materials used and specifications

No at this moment

Probably fix the color combinations and product image size responsiveness

No

-

nothing

Figure 3.2.11: Question 10

The responses of the following respondents have been fully informed concerning the progress and success made on the TechNest eCommerce project, and I promise to work on areas of improvement that may be needed in the near future. The platform has implemented the main functionalities, such as an easy-to-use interface, an admin panel, database protection, and user levels. These accomplishments create a very good platform for the next phase of growth, and I am committed to continued improvement of the system via progressive feature enhancements, security features, and scalability, among others. In the future, I will make further enhancements of the current platform based upon the feedback from the users and dynamic demands for providing TechNest as the best and unique tech platform for the tech enthusiast.

Sign Up

Username

Email

Password

Sign Up

Already have an account? [Login](#)



Sign Up

Username
 Username is already taken.

Email
 Email is already registered.

Password
 Password must be at least 6 characters.

Sign Up

Already have an account? [Login](#)

Sign Up

Username
 Username is required.

Email
 Email is required.

Password
 Password is required.

Sign Up

Already have an account? [Login](#)

Validation using
JavaScript

Figure A1: Signup.php

The image displays a login form with a light purple background. At the top center is the word "Login". Below it are two input fields: "Username" (with a person icon) and "Password" (with a lock icon). A large purple "Login" button is centered below the fields. At the bottom, there is a link "Don't have an account yet? [Sign Up](#)".

In the second state, the "Username" field contains "te" and the "Password" field is empty. A red error message "Invalid username or password." is displayed above the "Login" button. A large blue arrow points from the left towards this error message.

A circular callout at the bottom center reads "Checking Through Database".

Figure A2: Login.php

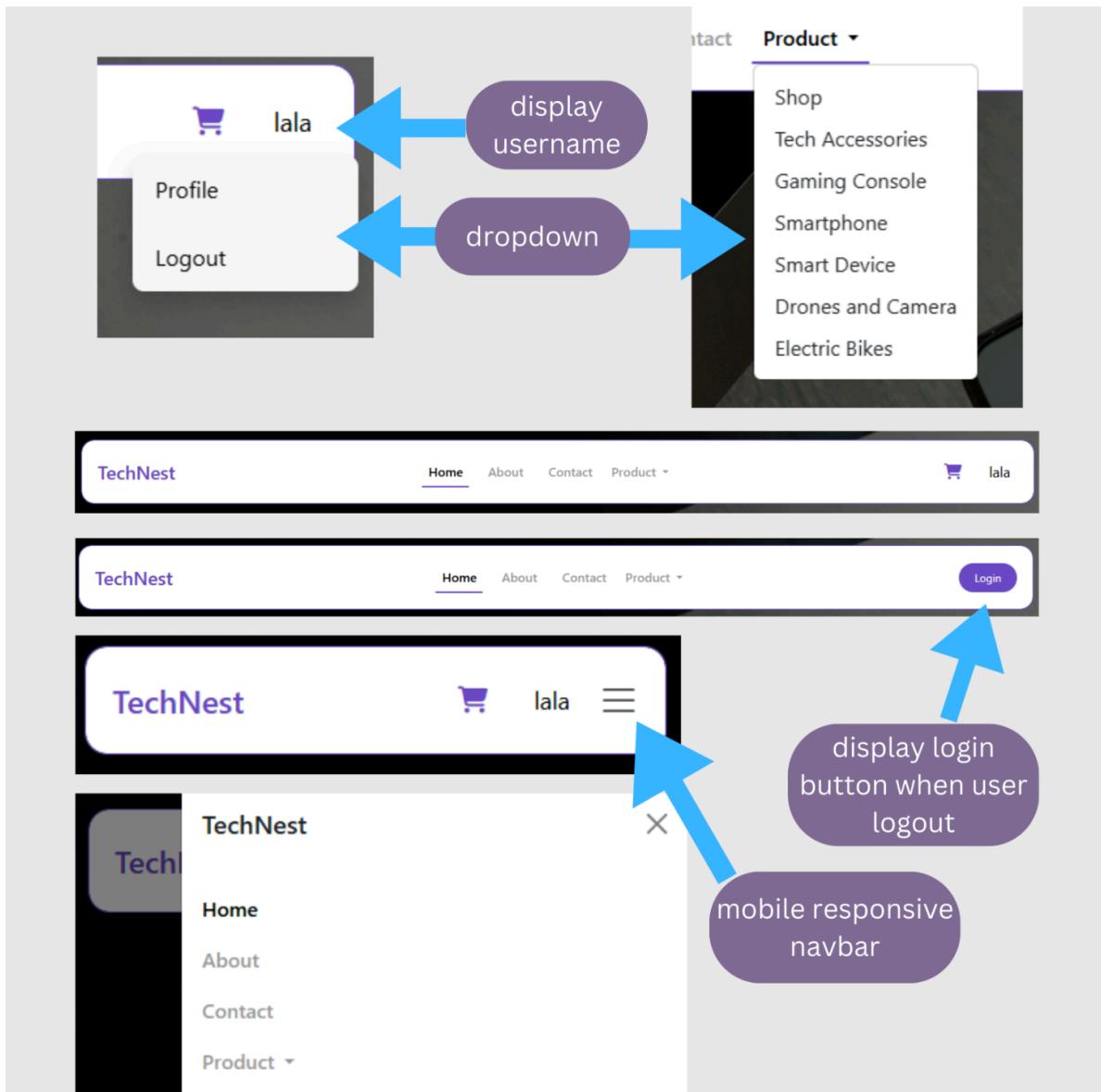


Figure A3: index.php (header)

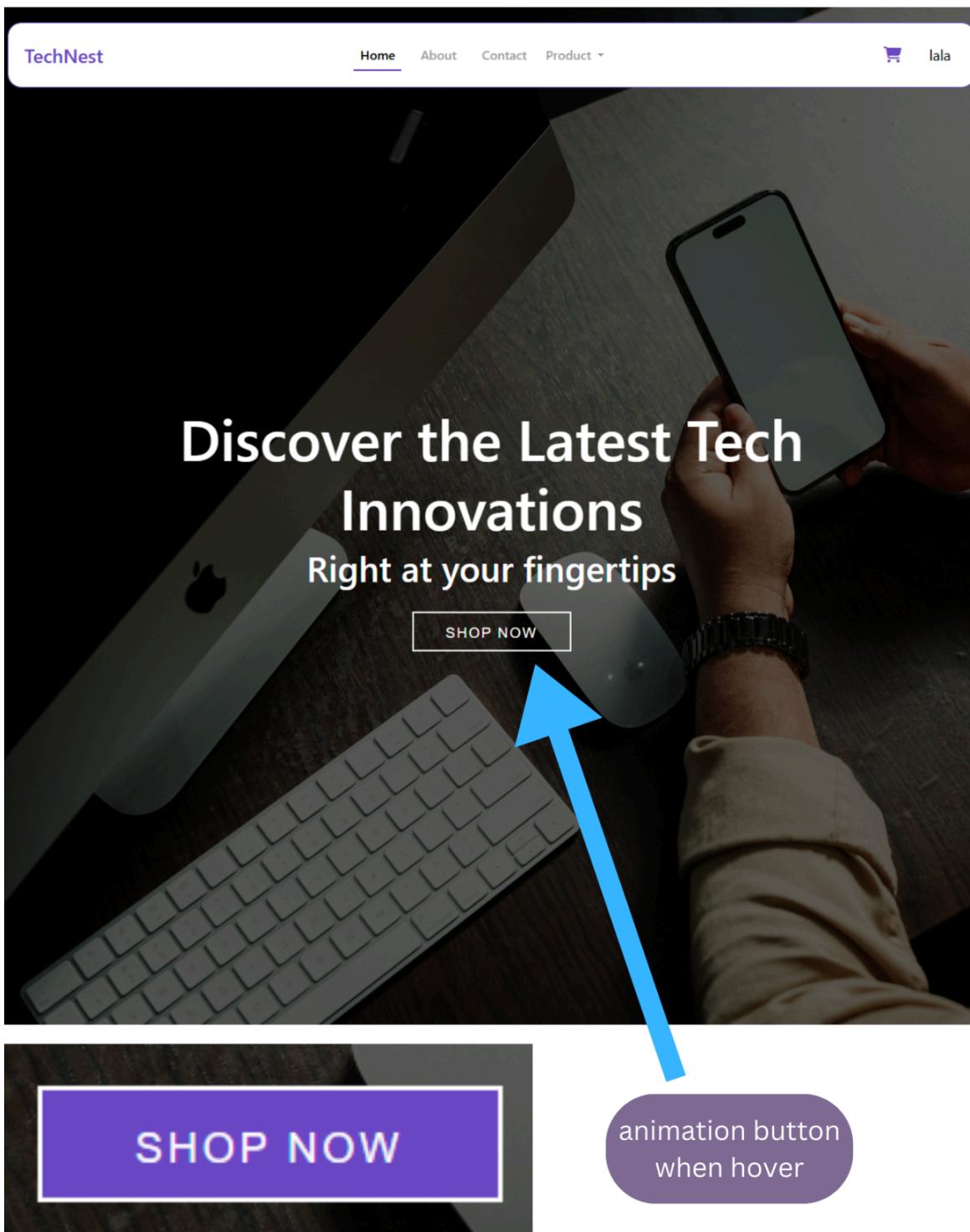


Figure A4: index.php (hero section)



Figure A5: index.php (infinite slider)



Figure A6: index.php (ads section)



Tech Made Accessible

Your One-Stop Shop for Smart Solutions

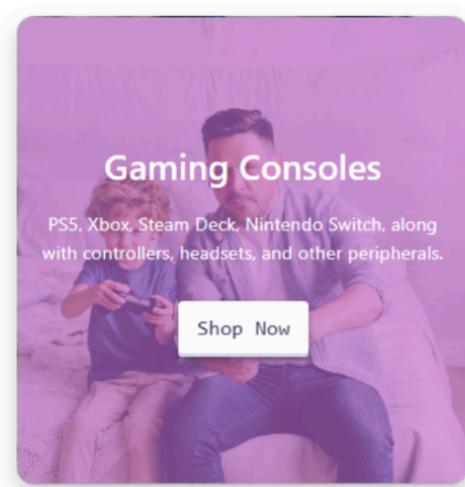
TechNest was born from a passion for technology and a desire to make cutting-edge gadgets accessible to everyone. Founded by tech enthusiasts, we envisioned a haven for gadget lovers, offering a diverse selection of high-quality products ranging from the latest smartphones and laptops to smart home devices and gaming gear. At TechNest, we provide a seamless shopping experience with both online and in-store options, allowing customers to browse our extensive catalog or visit our store to test products and receive expert advice. We're not just a store; we're a community dedicated to innovation, where you can join workshops, product launches, and exclusive events that inspire creativity and connect tech enthusiasts.



Figure A7: index.php (introduction section)

What We Offer

Your One-Stop Shop for Smart Devices: Providing Everything You Need to Stay Ahead in the Tech Game



← Hover Card

Figure A8: index.php (offer section)

Before Hover

Why choose us...



After Hover

Why choose us...

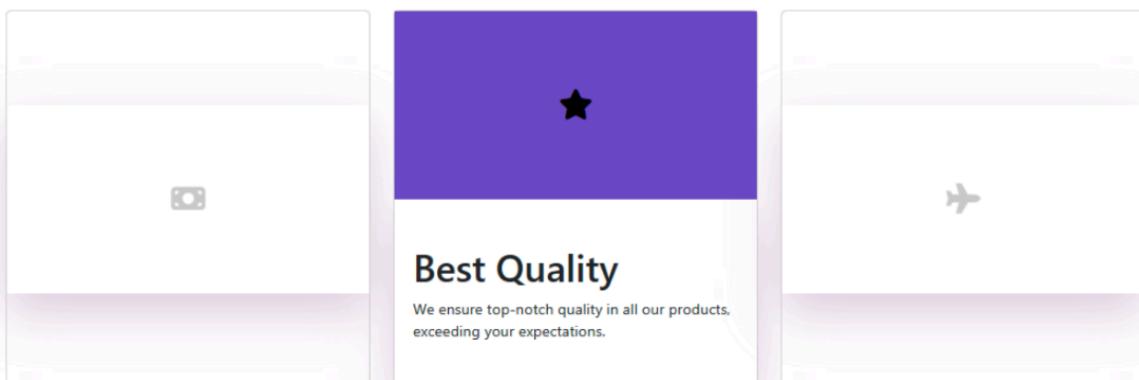


Figure A9: index.php (why us section)

Our Customers Love Us

Here's what they have to say about our products!

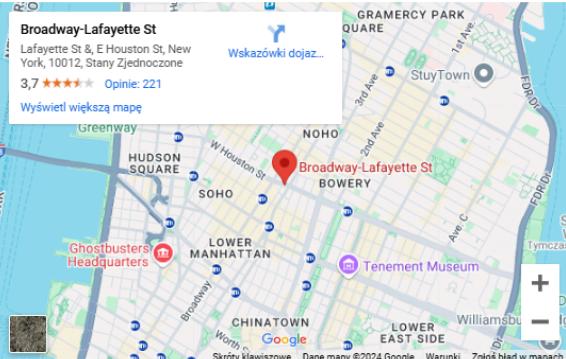


As a busy housewife, I rely on gadgets that simplify my daily tasks. TechNest has been a lifesaver! From smart kitchen appliances to efficient home gadgets, I found everything I needed to make my life easier. The shopping experience was hassle-free, and the delivery was quick. I love how TechNest offers quality products that truly enhance my home life. Highly recommended for anyone looking to upgrade their household gadgets!

PEARL - Housewife

Figure A10: index.php (testimonial section)

Contact us



First name

Email Address

Subject

Message

Submit

Figure A11: index.php (contact us section)

Before Hover



© 2024 Copyright: TechNest

After Hover

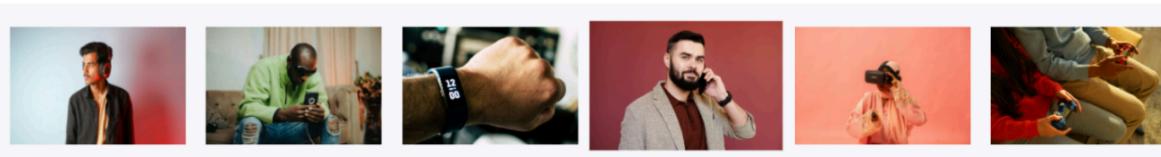


Figure A12: index.php (Footer section)

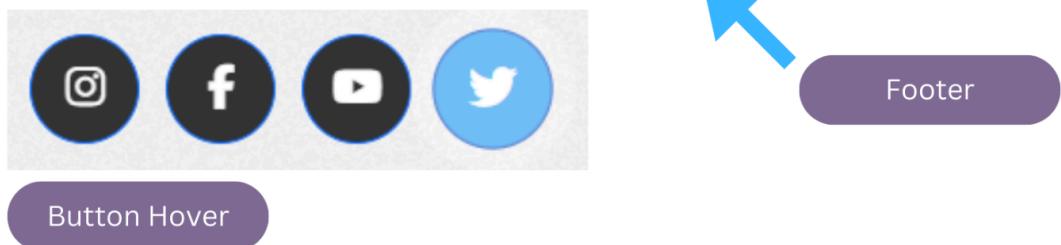
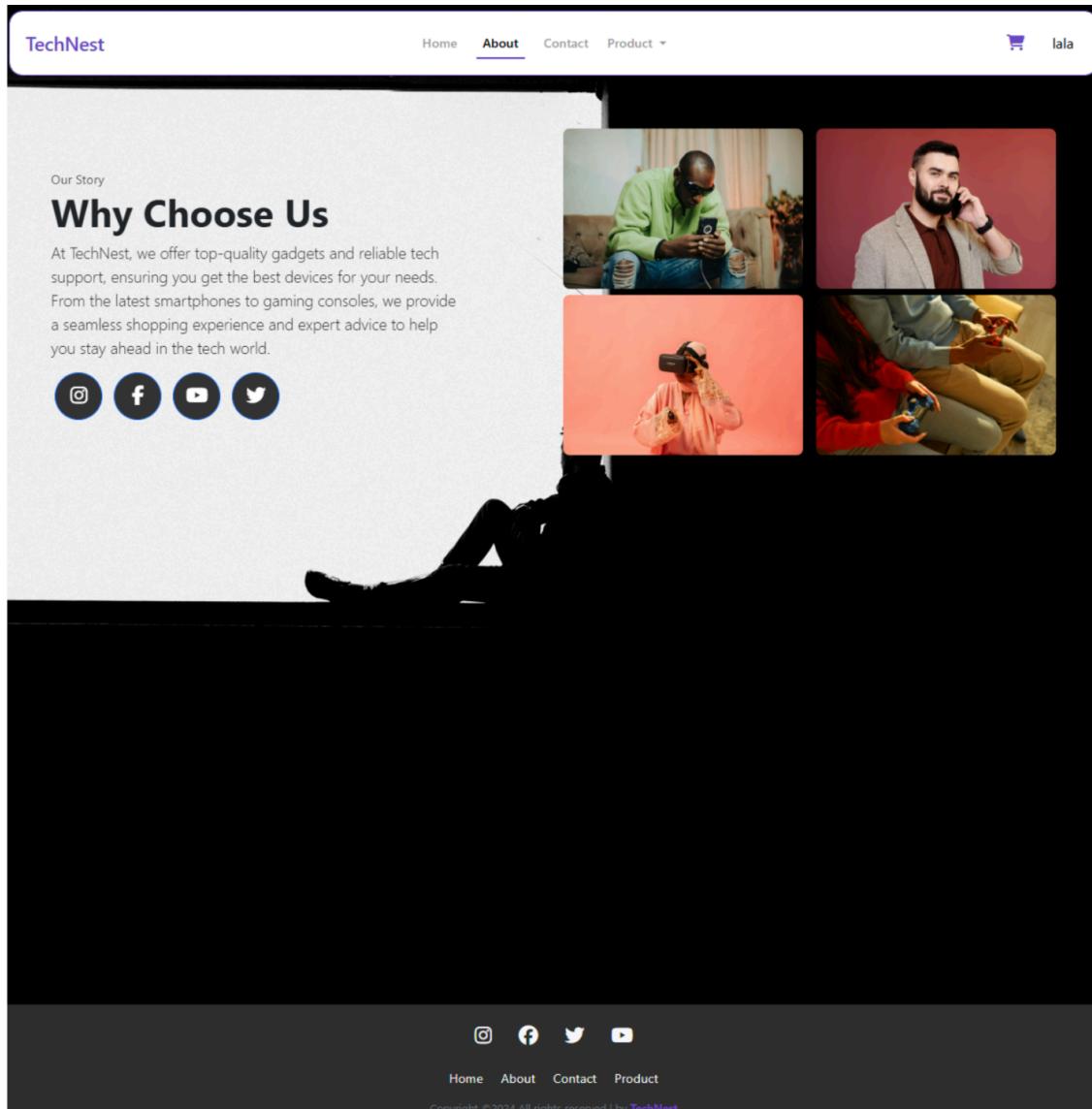


Figure A13: About.php

TechNest

Home About **Contact** Product ▾

Support

Contact us

Address: Jalan 6/91, Taman Shameelin Perkasa, 56100 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur

Phone: +60123974828

Email: KL2307013911@student.upm.edu.my

Website: technest.com

Get in touch

Name

Email

Subject

Message

Send Message

Home About Contact Product

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Figure A14: Contact.php

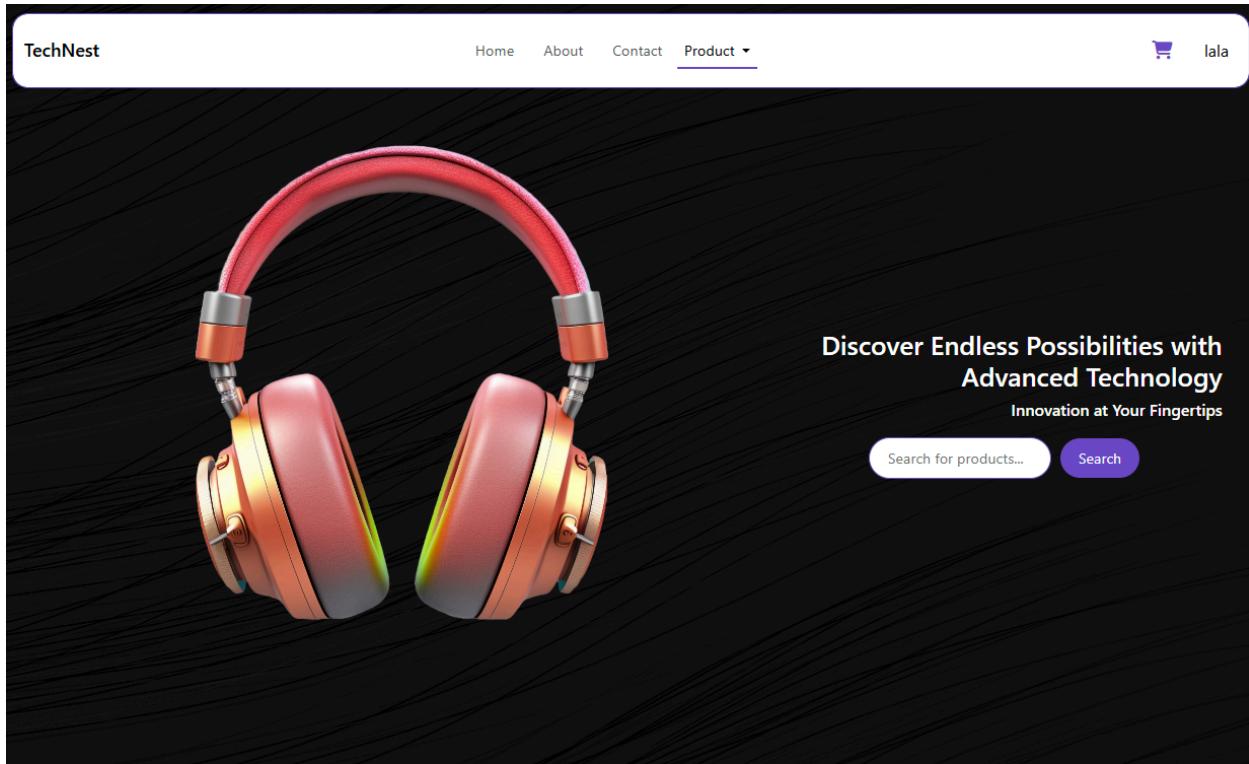


Figure A15: shop.php(hero section)

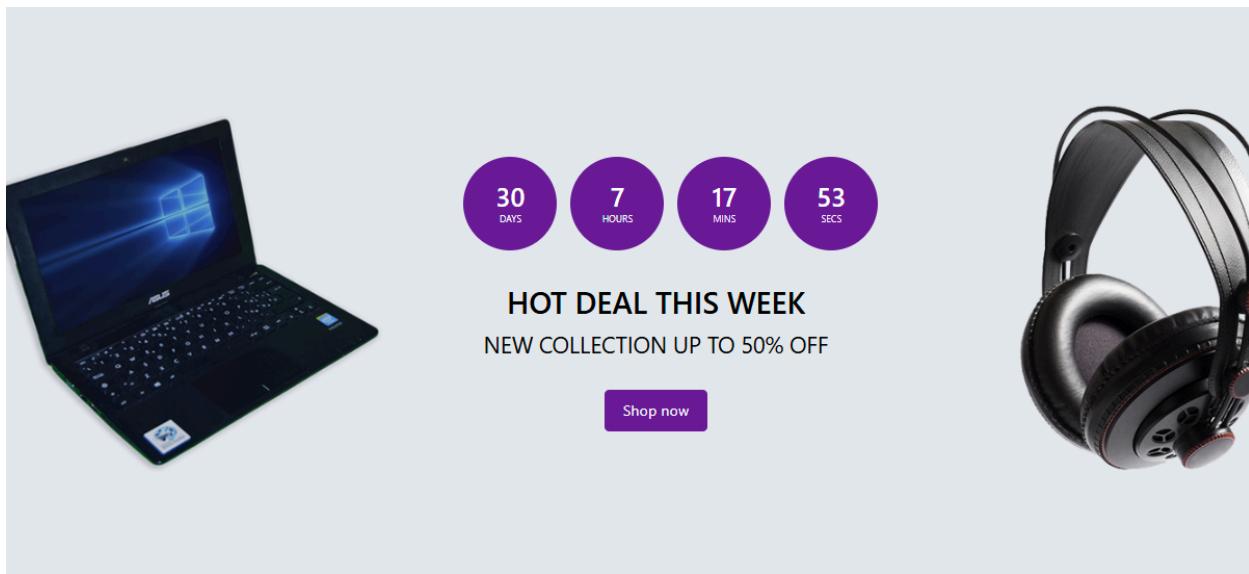


Figure A16: shop.php(countdown section)

TOP SELLING



EXCLUSIVE OFFER

Tech Accessories
Ultra Laptop Max
RM500.00 RM600.00
★★★★☆

[Add To Cart](#)



LIMITED STOCK

Smart Device
Smartwatch Pro
RM250.00 RM300.00
★★★★★

[Add To Cart](#)



BEST SELLER

Gaming Consoles
GameStation Ultra
RM1,200.00 RM1,500.00
★★★★★

[Add To Cart](#)



HOT ITEM

Drone & Camera
Drone Master 3000
RM800.00 RM1,000.00
★★★★☆

[Add To Cart](#)

← →

Figure A17: shop.php(top selling section)

View Our Products



ECORIDE VOLT 250
Lightweight electric bike ideal for urban commutes with a range of 30 miles on a single charge.
RM3,200.00 Add To Cart



POWERBOLT X1
High-performance e-bike with a powerful motor and long battery life for all terrains.
RM4,500.00 Add To Cart



SOUNDBLAZE PRO
Wireless earbuds with noise-cancellation and high-definition sound quality, perfect for immersive audio.
RM350.00 Add To Cart



PLAYMAX ALPHA
Advanced gaming console with 4K graphics support and 1TB storage, ideal for high-resolution gaming.
RM2,500.00 Add To Cart



TURBOBOX Z
Compact console with exclusive titles and wireless controllers, delivering seamless gameplay.
RM1,800.00 Add To Cart



INFINIX X9 PRO
Sleek smartphone with a 6.7-inch OLED display, 108MP camera, and 5G connectivity for blazing-fast speeds.
RM2,400.00 Add To Cart

Figure A18: shop.php(product section)

39

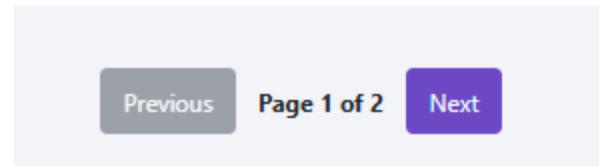


Figure A19: shop.php(pagination section)

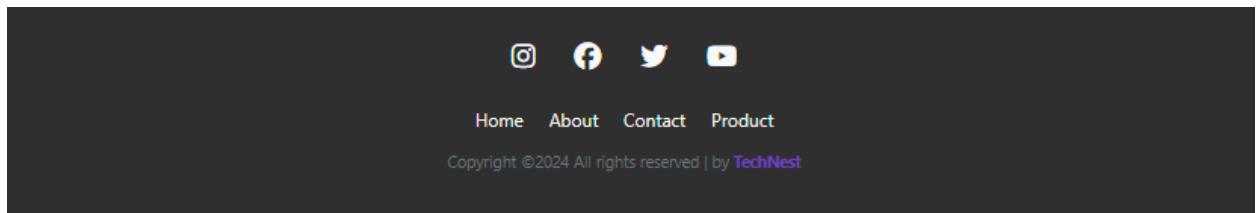


Figure A20: shop.php(footer section)

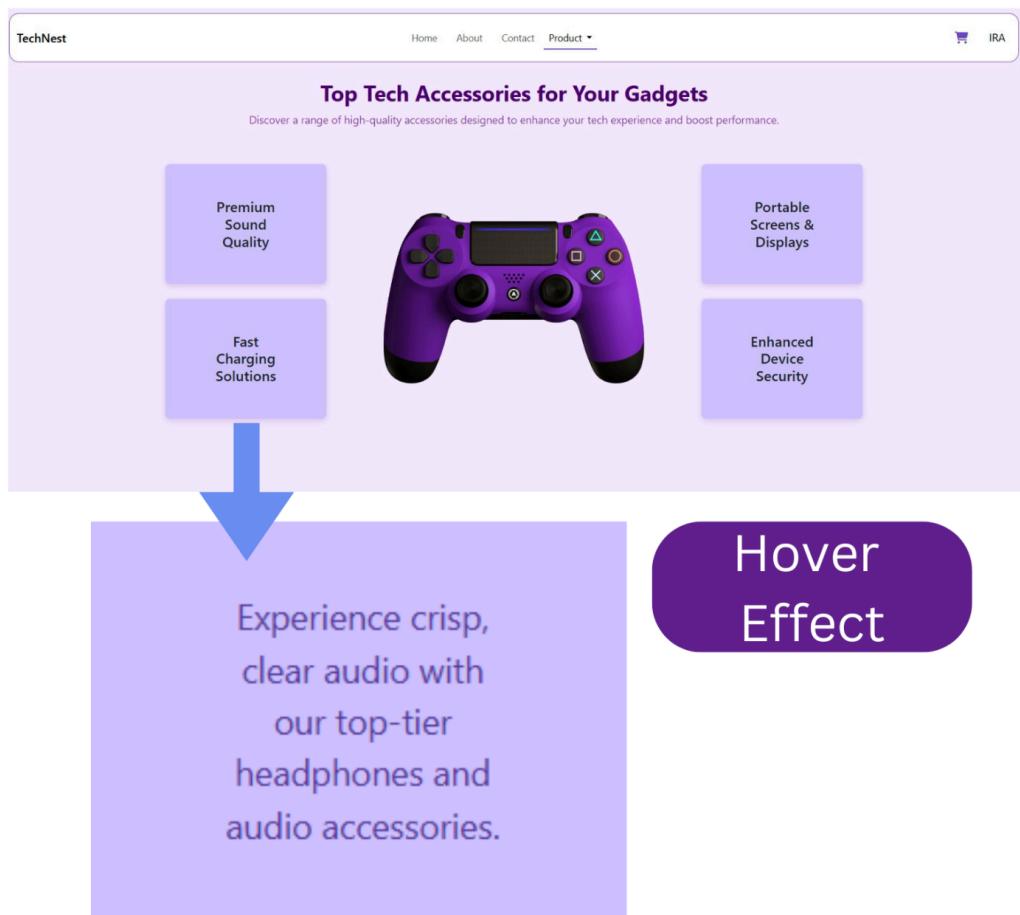


Figure A21: tech.php(hero section)



Figure A22: tech.php(ads section)

View Our Products

TECH ACCESSORIES

SOUNDBLAZE PRO

Wireless earbuds with noise-cancellation and high-definition sound quality, perfect for immersive audio.

RM350.00

TECH ACCESSORIES

CHARGEMATE POWER BANK

20.000mAh power bank with fast-charging capability, compatible with various devices.

RM120.00

TECH ACCESSORIES

SNAPGRIP WIRELESS MOUSE

Ergonomic wireless mouse with customizable buttons and long-lasting battery, ideal for daily use.

RM80.00

[Previous](#) **Page 1 of 1** [Next](#)

Figure A23: tech.php(product section)

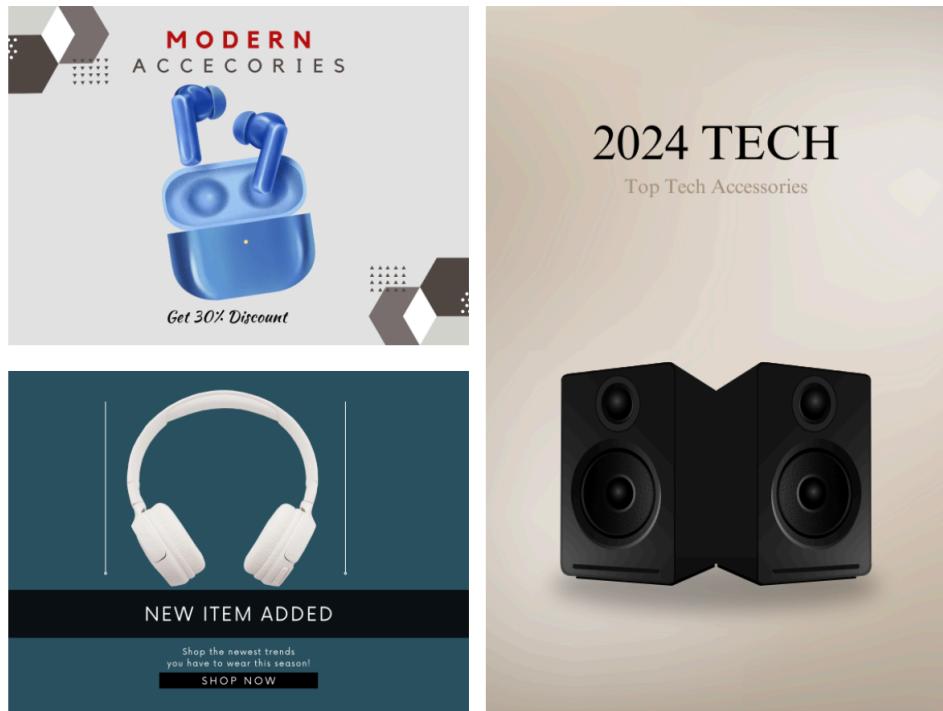


Figure A24: tech.php(ads section)

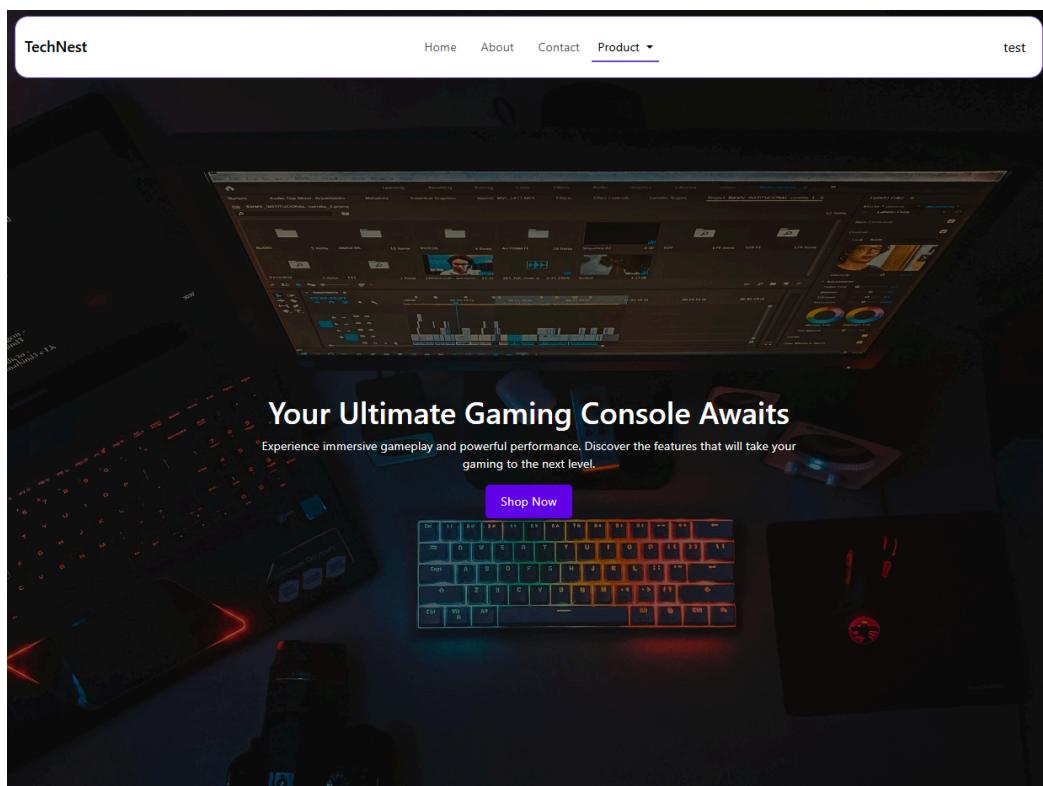


Figure A25: game.php(hero section)

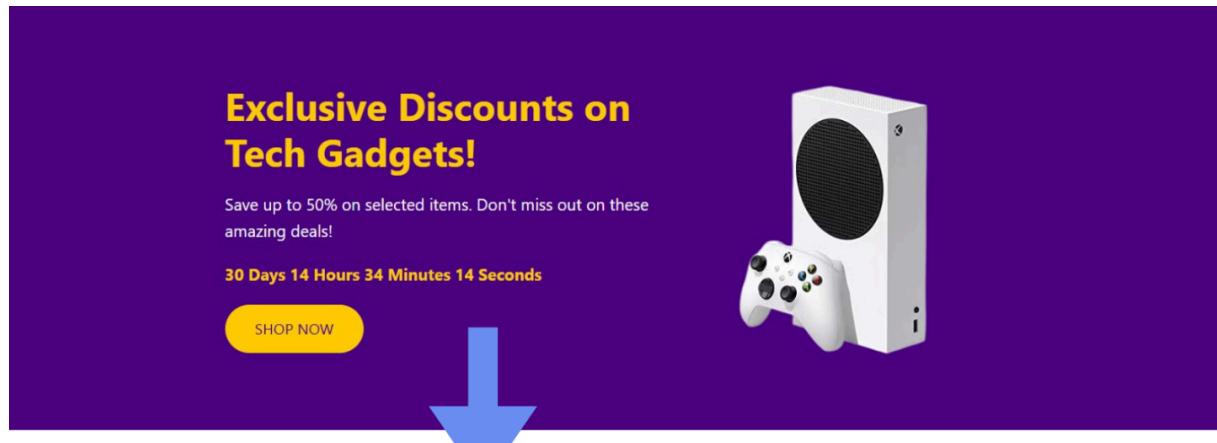


Figure A26: game.php(countdown section)

View Our Products

PLAYMAX ALPHA
Advanced gaming console with 4K graphics support and 1TB storage, ideal for high-resolution gaming.

TURBOBOX Z
Compact console with exclusive titles and wireless controllers, delivering seamless gameplay.

GAMEPRO ELITE
High-performance console with VR compatibility and a massive game library for immersive experiences.

Previous Page 1 of 1 Next

Figure A27: game.php(product section)

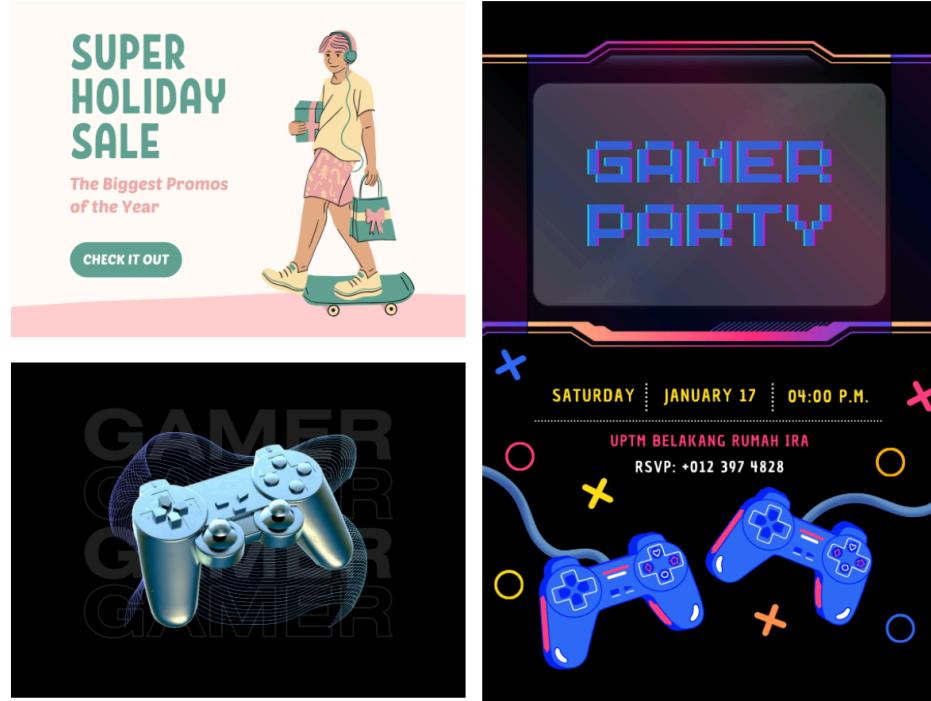


Figure A28: game.php(ads section)

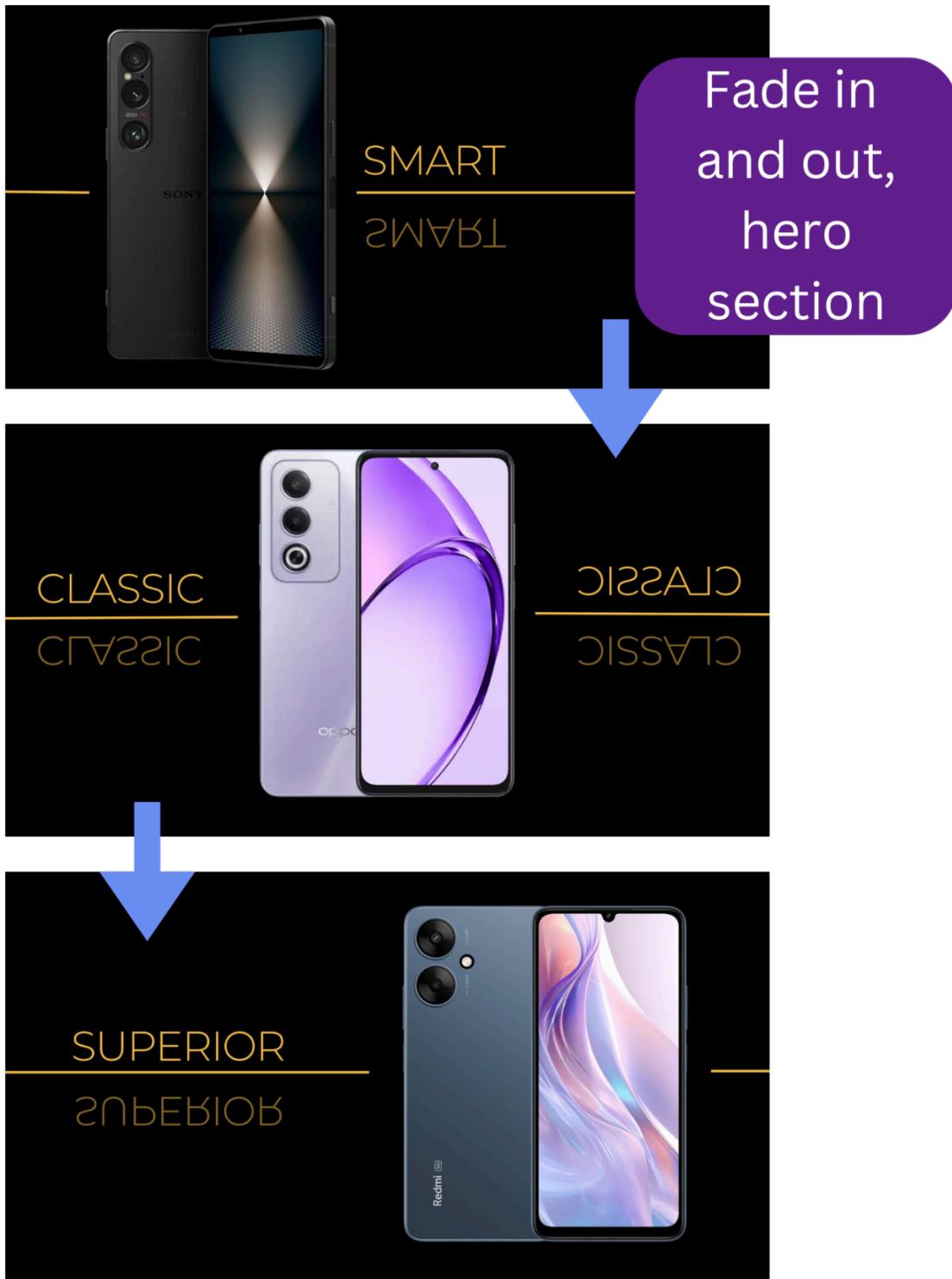


Figure A29: smartphone.php(hero section)

BEST SELLING SMARTPHONES

Discover the latest and most popular smartphones designed for every need and lifestyle



Galaxy Nova 12 Pro
★★★★☆
RM1,500
[Add to Cart](#)



Zenith Pro Max 10
★★★★☆
RM1,800
[Add to Cart](#)



Huawei Orion Edge 5G
★★★★★
RM2,200
[Add to Cart](#)



Pixel Vision 7
★★★★☆
RM1,999
[Add to Cart](#)

Figure A30: smartphone.php(best selling section)

View Our Products



INFINIX X9 PRO
SMARTPHONE
Sleek smartphone with a 6.7-inch OLED display, 108MP camera, and 5G connectivity for blazing-fast speeds.
RM2,400.00  



AURA S20
SMARTPHONE
Compact smartphone with dual cameras, a 90Hz refresh rate display, and impressive battery life.
RM1,200.00  



TITAN Z ULTRA
SMARTPHONE
High-performance smartphone with 8GB RAM, 256GB storage, and a powerful Snapdragon processor.
RM3,500.00  

[Previous](#) **Page 1 of 1** [Next](#)

Figure A31: smartphone.php(product section)

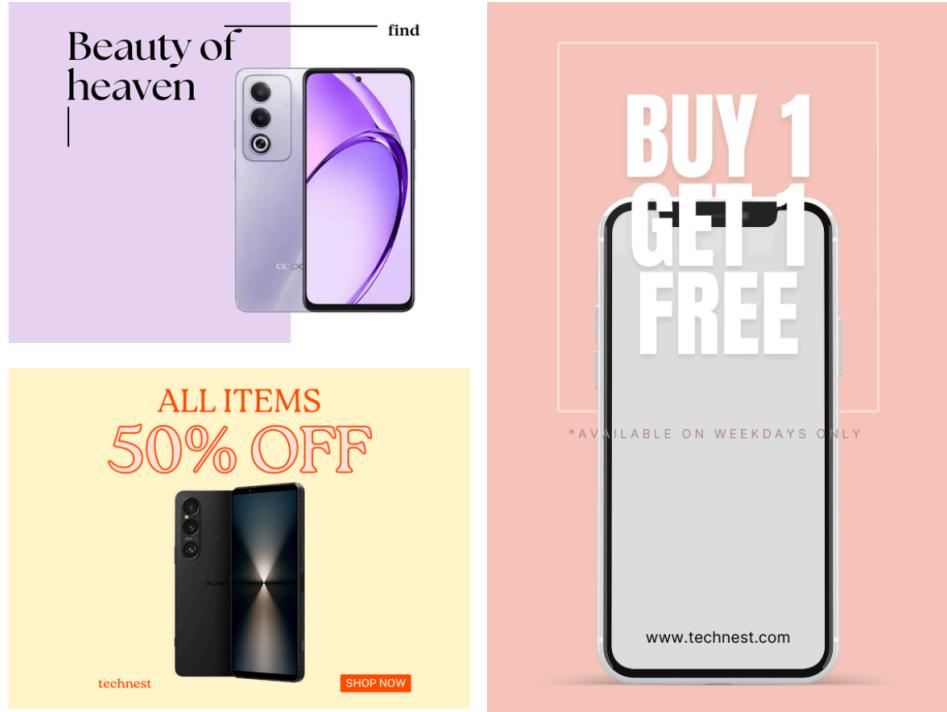


Figure A32: smartphone.php(ads section)

Home About Contact Product ▾

Top Smartwatches Available Now

Discover the best smartwatches designed to keep you connected, healthy, and active.

Health & Fitness Tracking

Monitor your heart rate, sleep, and fitness activity with advanced health tracking features that help you stay active and informed.

Notifications & Alerts

Receive notifications, reminders, and alerts right on your wrist, helping you stay connected and on track throughout the day.



Seamless Connectivity

Stay connected with Bluetooth, Wi-Fi, and LTE options that allow you to sync with your smartphone or operate independently.

Long Battery Life

Enjoy extended battery life that supports your lifestyle, with up to several days on a single charge.

Fade in
and out,
hero
section

Home About Contact Product ▾

Top Smartwatches Available Now

Discover the best smartwatches designed to keep you connected, healthy, and active.

Health & Fitness Tracking

Monitor your heart rate, sleep, and fitness activity with advanced health tracking features that help you stay active and informed.

Notifications & Alerts

Receive notifications, reminders, and alerts right on your wrist, helping you stay connected and on track throughout the day.



Seamless Connectivity

Stay connected with Bluetooth, Wi-Fi, and LTE options that allow you to sync with your smartphone or operate independently.

Long Battery Life

Enjoy extended battery life that supports your lifestyle, with up to several days on a single charge.

Fade in
and out,
hero
section

Home About Contact Product ▾

Top Smartwatches Available Now

Discover the best smartwatches designed to keep you connected, healthy, and active.

Health & Fitness Tracking

Monitor your heart rate, sleep, and fitness activity with advanced health tracking features that help you stay active and informed.

Notifications & Alerts

Receive notifications, reminders, and alerts right on your wrist, helping you stay connected and on track throughout the day.



Seamless Connectivity

Stay connected with Bluetooth, Wi-Fi, and LTE options that allow you to sync with your smartphone or operate independently.

Long Battery Life

Enjoy extended battery life that supports your lifestyle, with up to several days on a single charge.

Figure A33: smart.php(hero section)

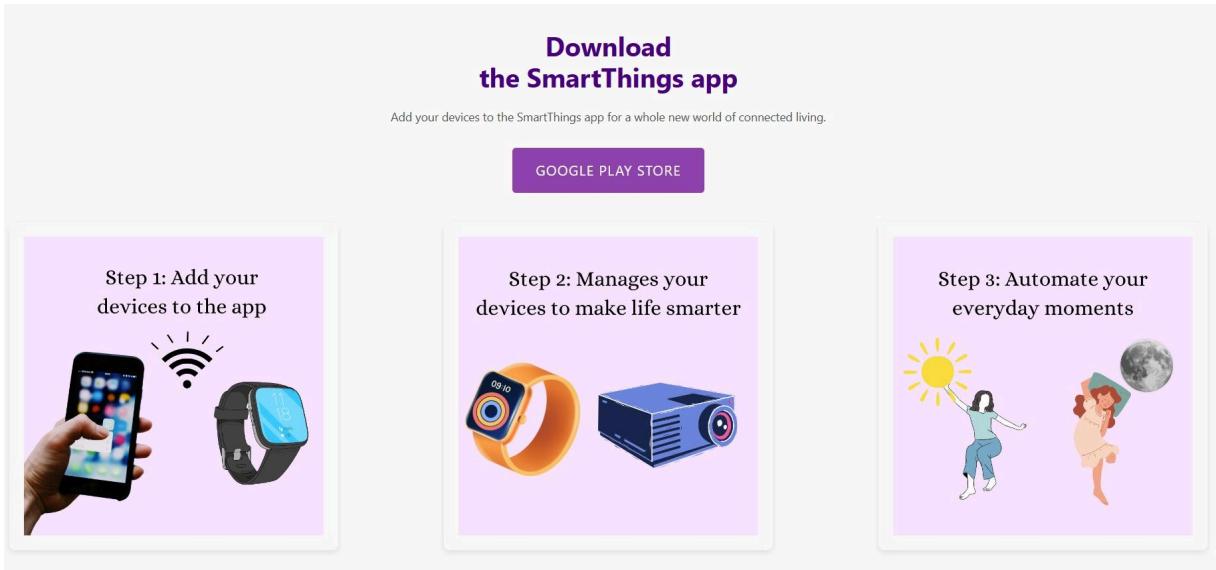


Figure A34: smart.php(download section)

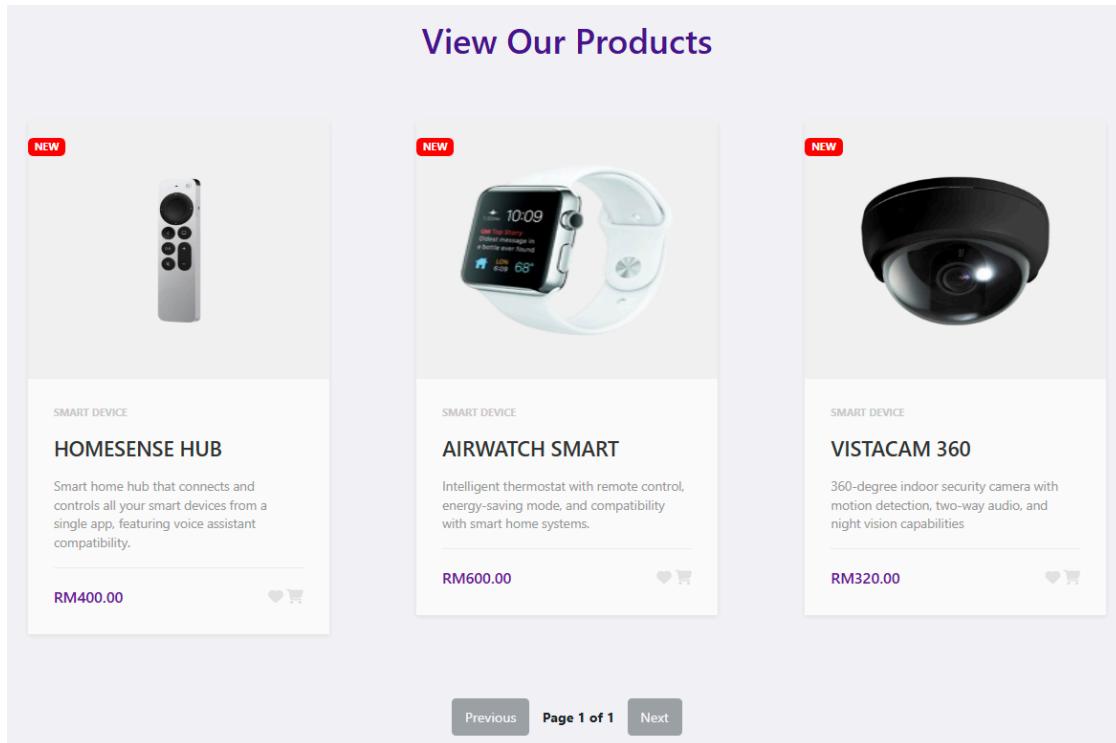


Figure A35: smart.php(product section)

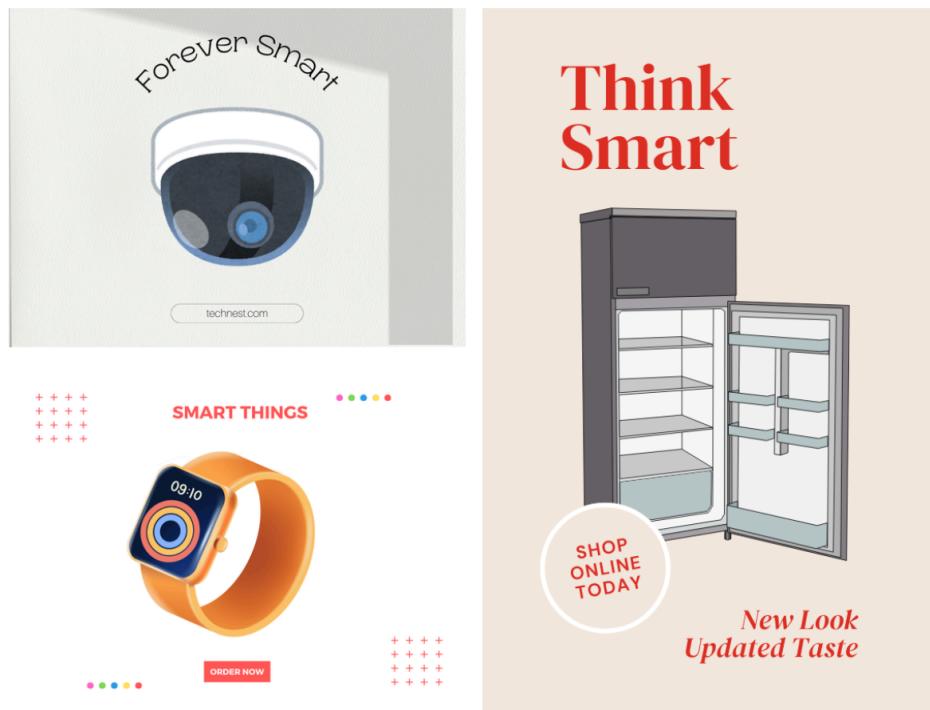


Figure A36: smart.php(ads section)

A screenshot of the TechNest website. The header includes the 'TechNest' logo, navigation links for Home, About, Contact, Product (with a dropdown arrow), and a shopping cart icon labeled 'IRA'. The main visual is a large aerial photograph of a dense forest. Overlaid on the image is the text 'Experience the Future of Flight' in bold white letters, followed by a smaller text 'Unleash the power of cutting-edge drone technology.' and a purple 'SHOP NOW' button. The overall design has a modern, tech-oriented feel.

Figure A37: drone.php(hero section)

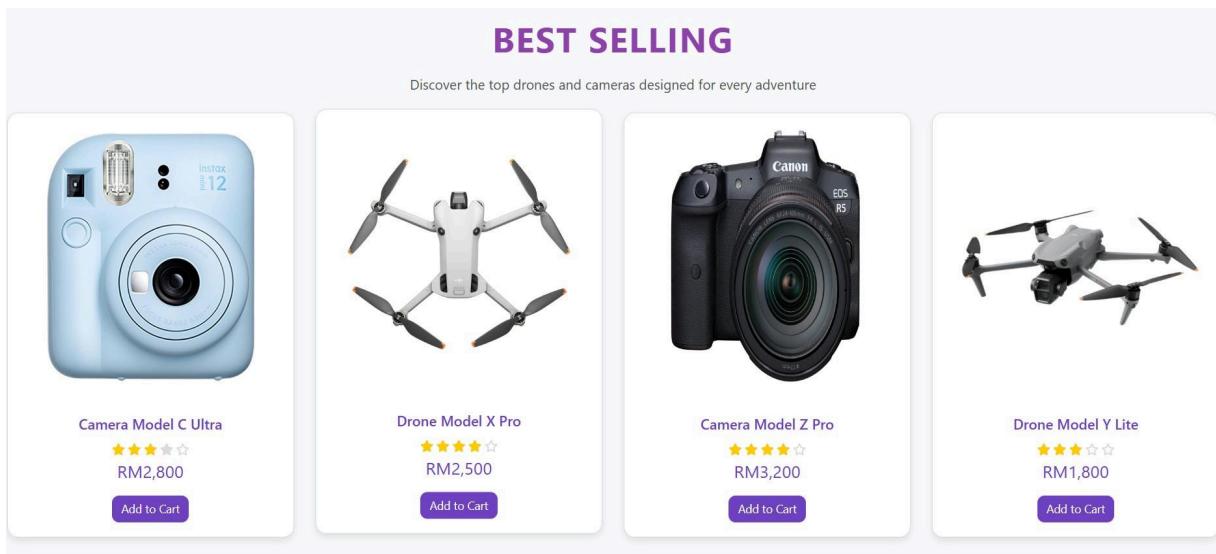


Figure A38: drone.php(best selling section)

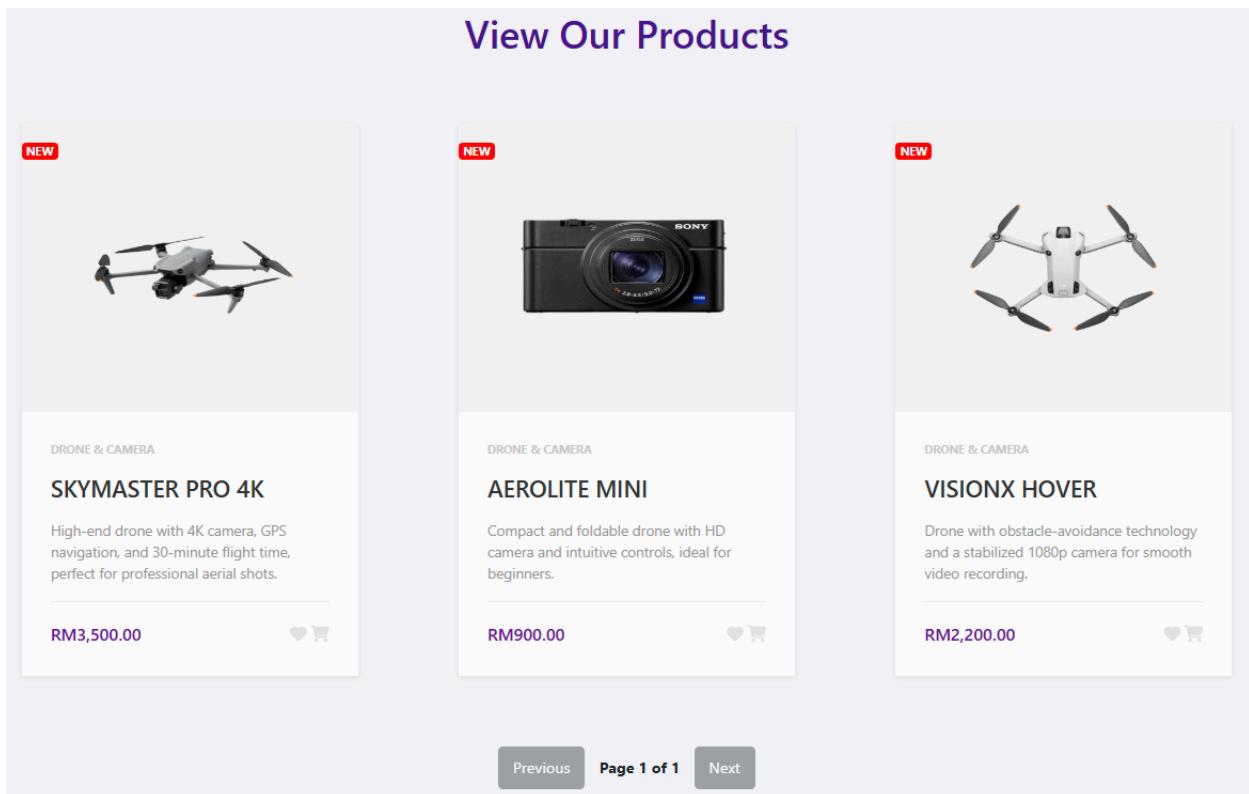


Figure A39: drone.php(productsection)

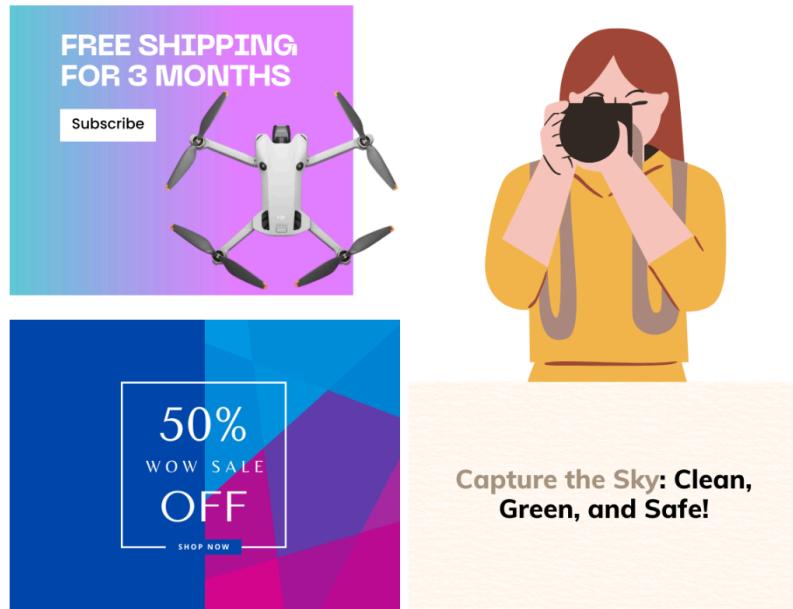


Figure A39: drone.php(ads section)

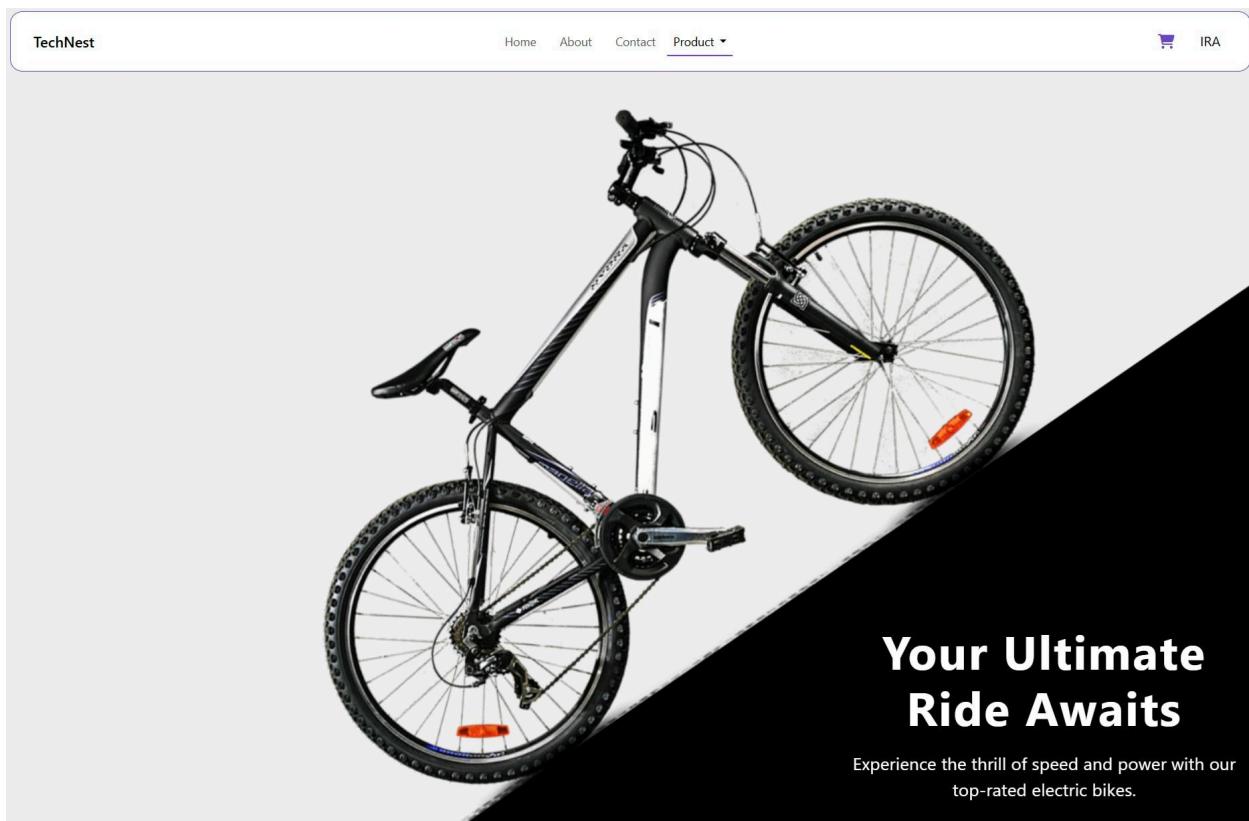


Figure A40: bike.php(hero section)

BEST SELLING

Find the best electric bikes tailored to your lifestyle



Thunder 3000 E-Bike

★★★★☆
RM1,600

[Add to Cart](#)



Fusion X Electric Bike

★★★★☆
RM1,800

[Add to Cart](#)



Eco Ride 500 E-Bike

★★★★★
RM2,200

[Add to Cart](#)



City Cruiser E-Bike

★★★★☆
RM1,400

[Add to Cart](#)

Figure A41: bike.php(best selling section)

View Our Products

ECORIDE VOLT 250

Lightweight electric bike ideal for urban commutes with a range of 30 miles on a single charge.

RM3,200.00

POWERBOLT X1

High-performance e-bike with a powerful motor and long battery life for all terrains.

RM4,500.00

VELOCITY GLIDE 300

Versatile e-bike with three speed modes, making it suitable for both city and trail rides.

RM3,800.00

[Previous](#) **Page 1 of 1** [Next](#)

Figure A42: bike.php(product section)

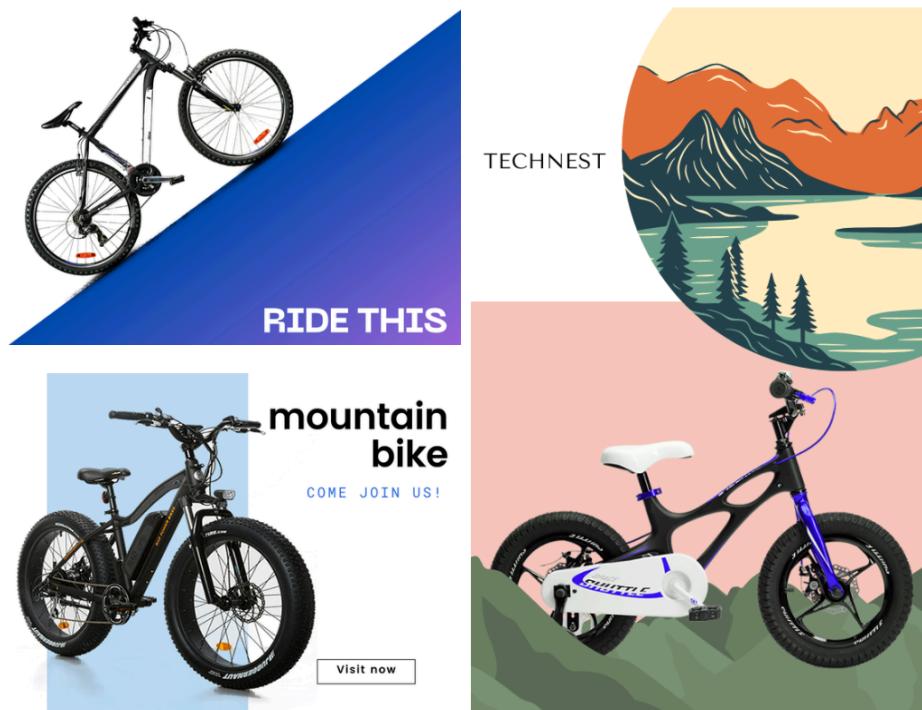


Figure A43: bike.php(ads section)

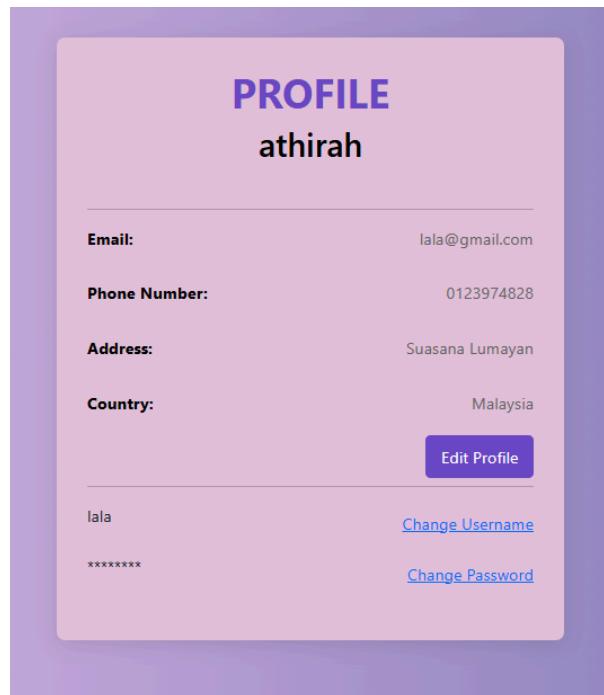


Figure A44: profile.php(profile section)

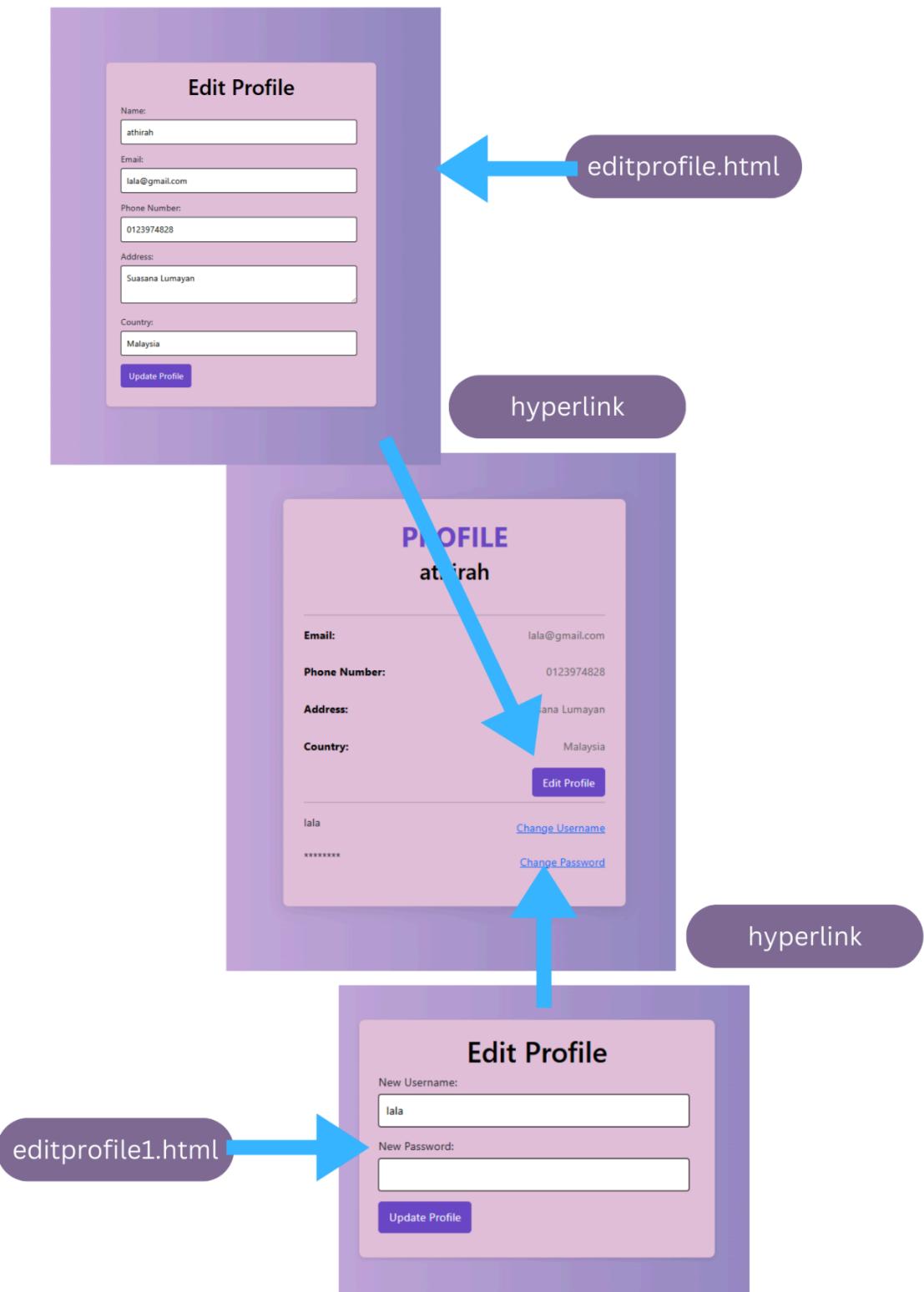


Figure A45: profile.php(profile edit section)

PROFILE

NUR ATHIRAH'S

Email: lala@gmail.com

Phone Number: 0123974828

Address: Jiran Ayah Pin

Country: Molly Fantasy

[Edit Profile](#)

IRA [Change Username](#)

***** [Change Password](#)

Purchase History

button

Order History

Receipt ID	Total Amount	Order Date	Receipt
1	RM4,405.00	2024-11-11	
2	RM3,905.00	2024-11-11	
3	RM4,405.00	2024-11-11	

receipt

TechNest
Address: Jiran Ayah Pin
Country: Molly Fantasy
Phone: 0123974828

Receipt ID: 1
Date: 2024-11-11

Item	Qty	Price (unit)	Total (RM)
AeroLite Mini	1	RM900.00	RM900.00
SkyMaster Pro 4K	1	RM3,500.00	RM3,500.00

Total: RM4,405.00

Thank you for shopping with us!

[Continue Shopping](#)

Figure A46: profile.php(history section)

total user register
total product added
total sell from user

Total Users
Total Products
Total Sell

1
18
RM 0.00

search function



ID	Image	Name	Category	Description	Price (RM)	Quantity	Edit	Delete
6		EcoRide Volt 250	Electric Bikes	Lightweight electric bike ideal for urban commutes with a range of 30 miles on a single charge.	3200.00	15		
7		PowerBolt X1	Electric Bikes	High-performance e-bike with a powerful motor and long battery life for all terrains.	4500.00	10		
9		SoundBlaze Pro	Tech Accessories	Wireless earbuds with noise-cancellation and high-definition sound quality, perfect for immersive audio.	350.00	25		
10		PlayMax Alpha	Gaming Consoles	Advanced gaming console with 4K graphics support and 1TB storage, ideal for high-resolution gaming.	2500.00	10		
11		TurboBox Z	Gaming Consoles	Compact console with exclusive titles and wireless controllers, delivering seamless gameplay	1800.00	15		
12		Infinix X9 Pro	Smartphone	Sleek smartphone with a 6.7-inch OLED display, 108MP camera, and 5G connectivity for blazing-fast speeds.	2400.00	20		
13		Aura S20	Smartphone	Compact smartphone with dual cameras, a 90Hz refresh rate display, and impressive battery life.	1200.00	30		
14		HomeSense Hub	Smart Device	Smart home hub that connects and controls all your smart devices from a single app, featuring voice assistant compatibility.	400.00	25		
15		AirWatch Smart	Smart Device	Intelligent thermostat with remote control, energy-saving mode, and compatibility with smart home systems.	600.00	15		

1
2

Figure A47: admin_dashboard.php(product listing section)

57

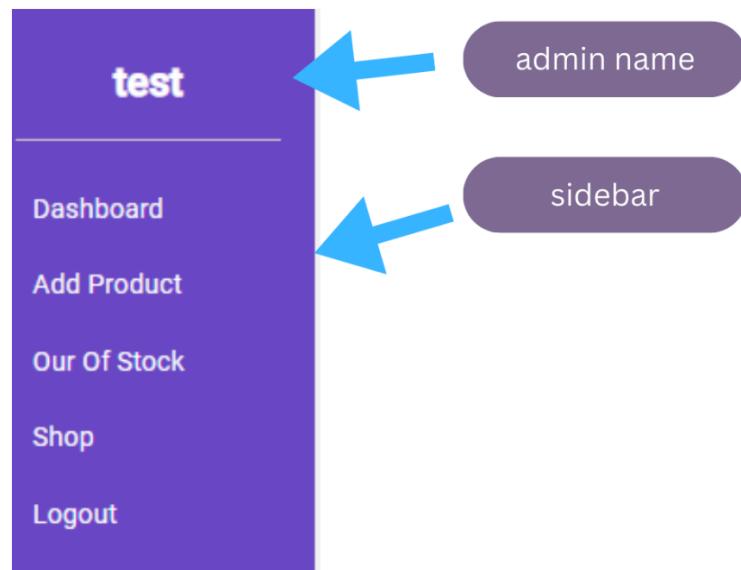


Figure A48: admin_dashboard.php/sidebar section)

A screenshot of a form for adding a new product. The form fields are as follows:

- Product Name**: An input field with no text entered.
- Category**: A dropdown menu labeled "Select Category". The dropdown list shows the following categories:
 - Select Category
 - Tech Accessories
 - Gaming Consoles
 - Smartphone
 - Smart Device
 - Drone & Camera
 - Electric Bikes
- Price (RM)**: An input field with no text entered.
- Quantity**: An input field with no text entered.
- Product Image**: A file input field with the placeholder "Choose File" and "No file chosen".
- Add Product**: A large purple button at the bottom of the form.

Figure A49: admin_dashboard.php/add product section)

OUT OF STOCK

Product List

Search products...

ID	Image	Name	Category	Description	Price (RM)	Quantity	Actions
6		EcoRide Volt 250	Electric Bikes	Lightweight electric bike ideal for urban commutes with a range of 30 miles on a single charge.	3200.00	0	 

1

Figure A50: admin_dashboard.php(out of stock section)

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