

Department of Information Technology

SE Mini Project

Semester: IV

INFT18 -Online E-Commerce Website

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Abstract

Gadget Guru: Electronics E-commerce

Gadget Guru: Pioneer in electronics e-commerce.

Mission: Seamless access to diverse electronic appliances.

Features: Intuitive interface, advanced search, personalized recommendations.

Customer satisfaction: Secure payments, responsive support.

Collaboration: Leading brands, prioritizing quality, authenticity, innovation.

Long-term relationships: Built on trust and reliability.

Chapter 1 :- Introduction

Introduction

- E-commerce website for computer store: Enables secure purchase of hardware, software, and accessories from anywhere.
- Features: User-friendly interface, detailed product descriptions, secure checkout process.
- Importance: Vital platform for acquiring technology products.
- Benefits: Simplifies shopping, promotes technology adoption.
- Role: Empowers individuals and businesses in the digital age.

Chapter 1 :- Introduction

Motivation

- Motivation: Addressing the evolving landscape of commerce in the digital era.
- Demand: Growing need for convenient avenues to acquire computer hardware, software, and accessories.
- Project Goal: Creating an e-commerce platform for seamless shopping experiences.
- Customer Experience: Providing detailed product descriptions, intuitive navigation, and secure transactions.
- Loyalty: Aim to exceed customer expectations and foster long-term loyalty.
- Digital Transformation: Aligning with broader trends to adapt to changing consumer preferences.
- Business Growth: Facilitating expansion and positioning as a leader in the digital marketplace.
- Innovation: Ready to capitalize on emerging opportunities and drive innovation in the industry

Chapter 1 :- Introduction

Project Objective: Develop a robust e-commerce platform for computer hardware, software, and accessories.

Key Objectives:

Seamless Shopping Experience: User-friendly interface and intuitive navigation.

Comprehensive Product Information: Detailed descriptions, specifications, features, and pricing.

Secure Transactions: Robust security measures, encryption protocols, secure payment gateways.

Customer Satisfaction: Responsive support, efficient order processing, hassle-free returns.

Business Growth: Reach wider audience, increase market share, drive revenue growth.

Aim: Revolutionize computer product shopping and become a leader in the digital marketplace.

Chapter 1 :- Introduction

Problem Statement

The traditional retail model for computer products is constrained by geographical limitations, limited store hours, and the need for physical presence. This presents challenges for both consumers, who seek convenience and accessibility, and businesses, which must adapt to evolving consumer preferences and technological advancements.

Additionally, there is a lack of comprehensive online platforms dedicated to computer products that offer a seamless shopping experience, detailed product information, and secure transactions.

Chapter 2:- Literature Survey

The project encompasses a thorough exploration of key areas in e-commerce, including trends and statistics, website development, user experience design, security measures, and product catalog management. It aims to leverage recent literature and research to understand the evolving landscape of online shopping and develop best practices for creating a robust e-commerce platform. However, existing limitations in the system or research gaps include a lack of comprehensive user feedback and potential security concerns such as vulnerabilities in encryption protocols and susceptibility to cyber threats. Addressing these limitations is crucial for optimizing user experience and ensuring the security and reliability of the e-commerce platform.

Chapter 2:- Literature Survey

Technology Stack (Hardware/Software)

Hardware:

Servers: To host the website and manage databases.

Networking Equipment: Routers, switches, and load balancers to ensure network connectivity and distribute traffic efficiently.

Storage Systems: For storing product images, customer data, and other information securely.

Security Appliances: Firewalls, intrusion detection systems, and SSL certificates to protect against cyber threats and ensure data privacy.

Software:

Database Management System (DBMS): MySQL for storing and managing product information, customer data, and transactions.

Programming Languages: PHP, Python, Java, or JavaScript for server-side scripting and application logic.

Frameworks and Libraries: Laravel, Django, Spring, or Node.js for building the application architecture and implementing business logic.

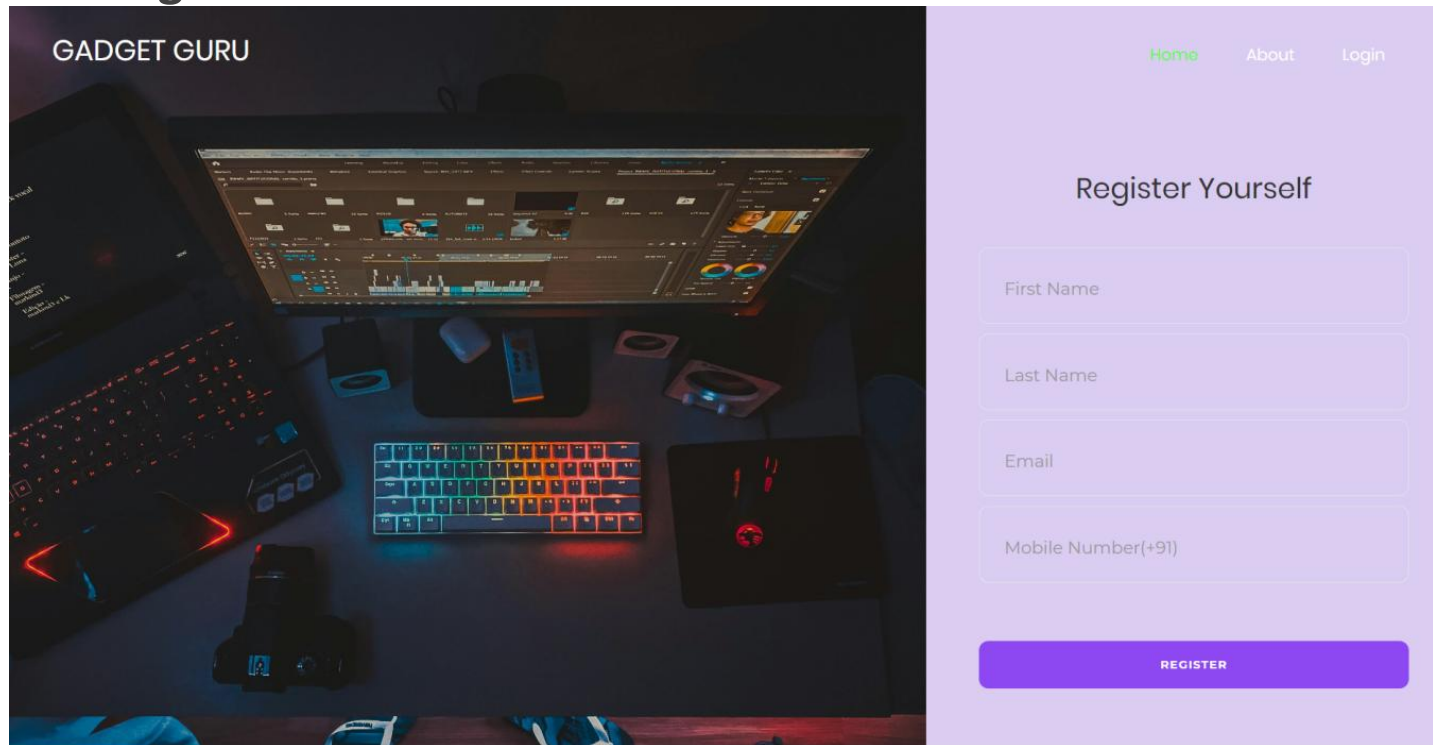
Frontend Technologies: HTML, CSS, JavaScript, and frameworks/libraries like React, Angular

Chapter 3:- Implementation

The implementation of an e-commerce website is a multifaceted process that involves several key phases. In the development phase, meticulous planning, design, and development are undertaken to create the website's architecture and functionality. This includes setting up the database, implementing frontend and backend components, and ensuring a user-friendly interface. Following development, the deployment phase involves selecting hosting, registering the domain, populating content, integrating secure payment gateways, and conducting thorough testing before launching the website to the public. Once live, the maintenance phase begins, encompassing ongoing monitoring of performance, application of updates, provision of customer support, and implementation of marketing strategies to drive traffic and sales. Continuous improvement based on user feedback ensures the website remains relevant, efficient, and competitive in the ever-evolving e-commerce landscape.

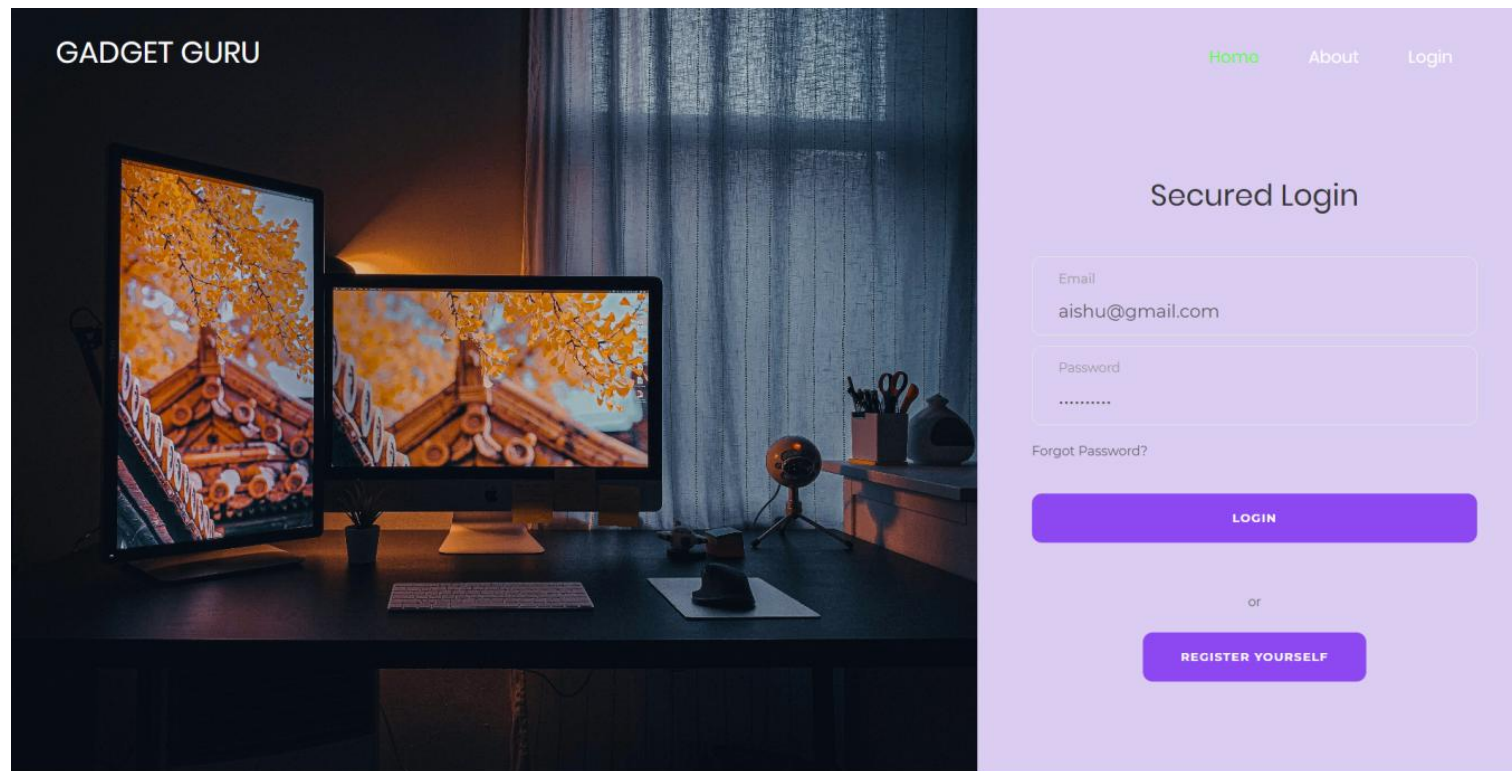
Chapter 3:- Results and Discussions

Registration Page:-



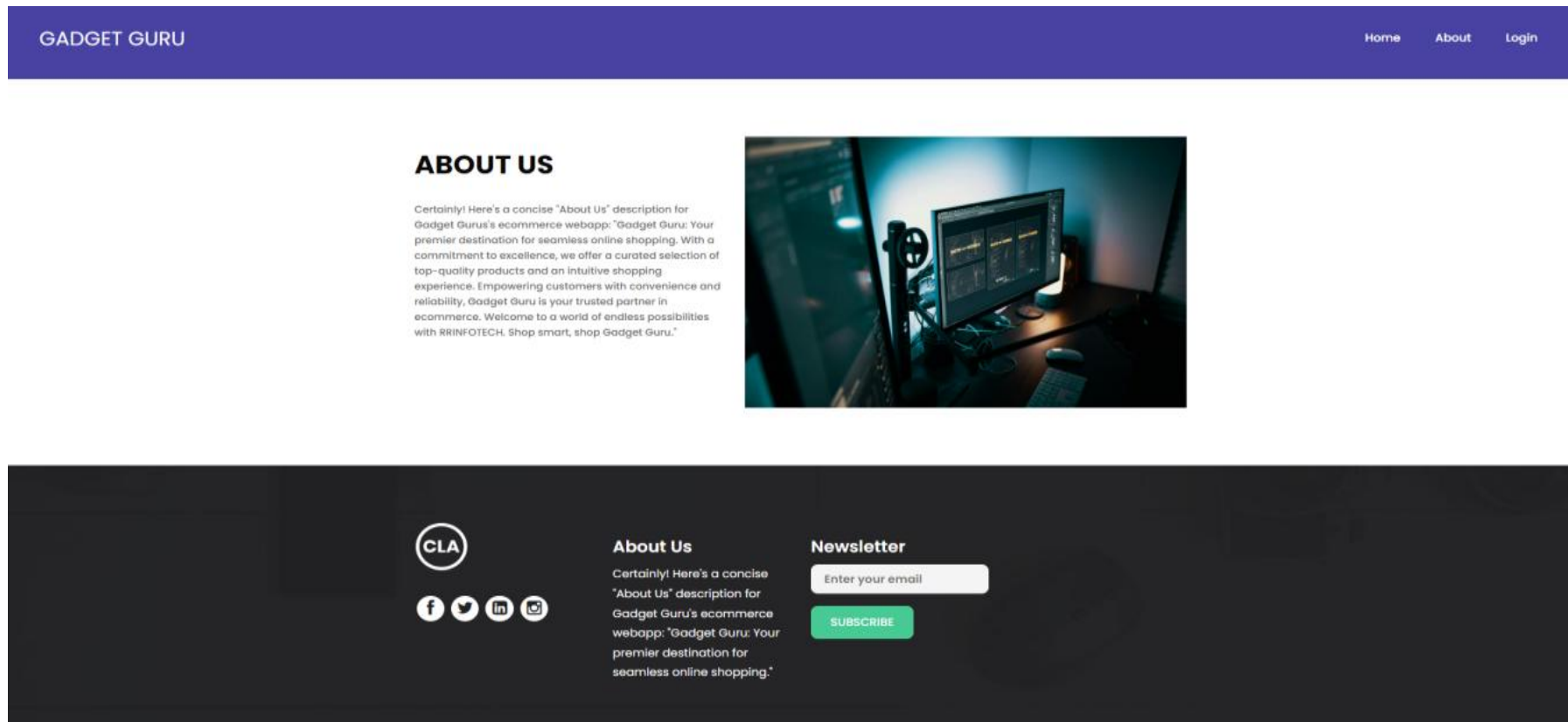
Chapter 3:- Results and Discussions

Login:-



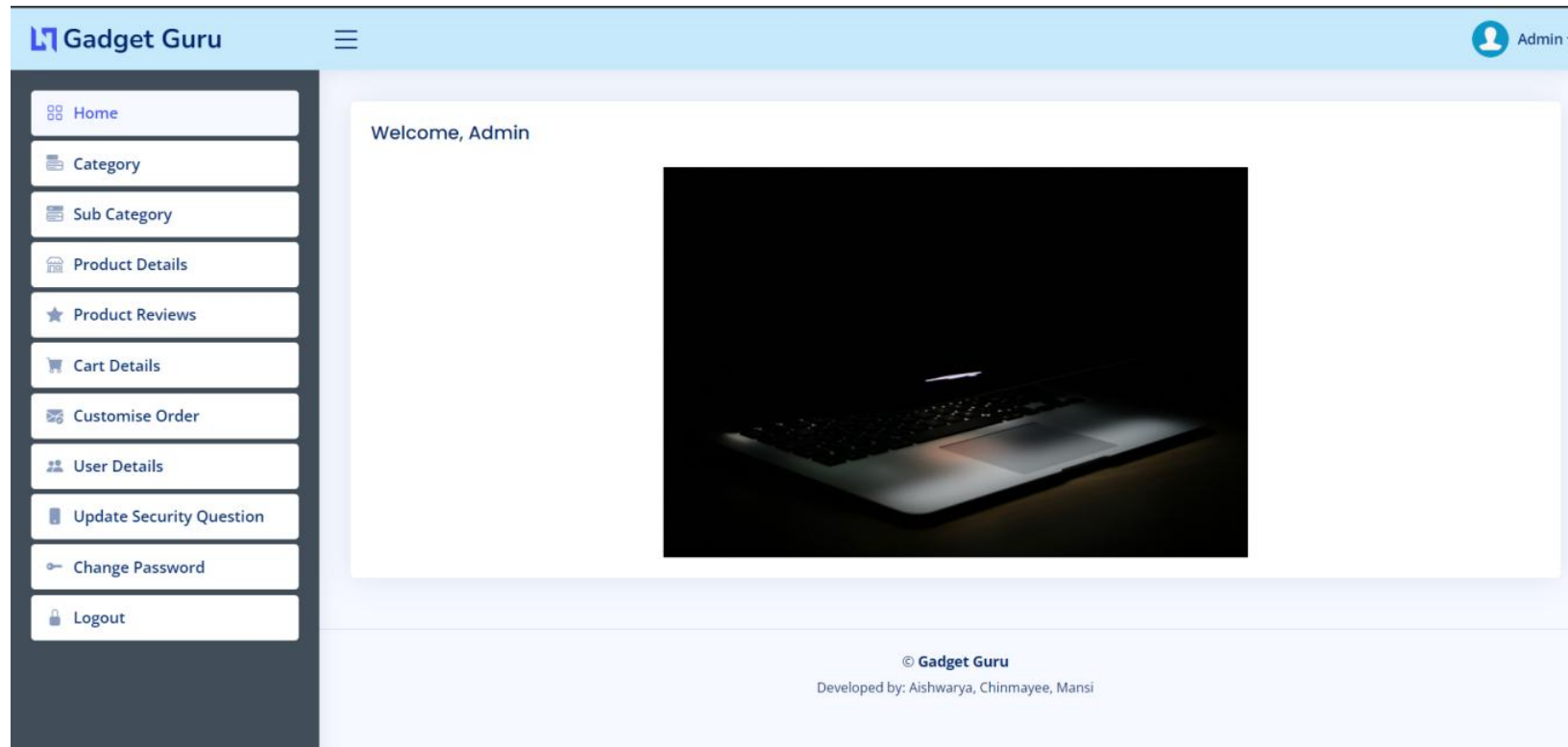
Chapter 3:- Results and Discussions

About us



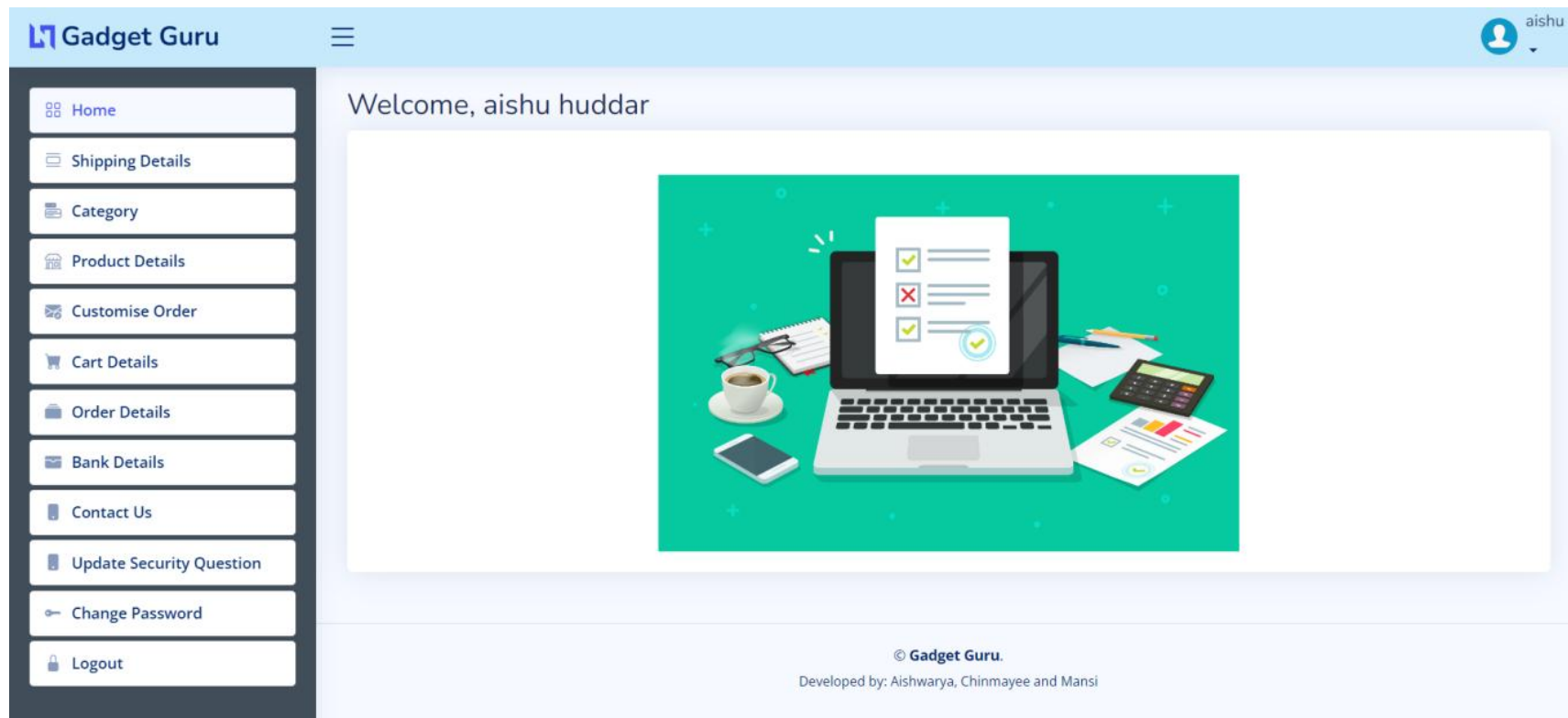
Chapter 3:- Results and Discussions

Admin Panel :-



Chapter 3:- Results and Discussions

Student Panel :-



Chapter 3:- Results and Discussions

Product Details :-

- Home
- Shipping Details
- Category
- Product Details
- Customise Order
- Cart Details
- Order Details
- Bank Details
- Contact Us
- Update Security Question
- Change Password
- Logout

Product Details

SL No.	Sub Category	Product Name	Product Description	Product Price	Product Status	Product View
1	Desktop Computers	Lenovo IdeaCentre AIO	Processor: 12th Gen Intel Core i5-12450H Speed: 2.0 GHz (Base) - 4.4 GHz (Max) 8 Cores 12 Threa	63900	Available	
2	Laptops	ZenBook Pro X Laptop	Brand ASUS Model Name ASUS Zenbook 14X OLED Screen Size 14 Inches Colour Pine Grey Hard Disk S	153999	Available	
3	Tablets	Samsung Galaxy Tab FE	Brand Samsung Model Name Galaxy Tab S9 FE Memory Storage Capacity 128 GB Screen Size 10.9 Inche	70999	Available	
4	Smartphones	Samsung Galaxy S Ultra	Brand Samsung Model Name Samsung Galaxy S24 Ultra 5G Network Service Provider Unlocked for All C	105999	Available	

Chapter 3:- Results and Discussions

Cart Details :-

The screenshot displays the 'Gadget Guru' web application interface. On the left is a sidebar with the following navigation links: Home, Shipping Details, Category, Product Details, Customise Order, Cart Details (highlighted), Order Details, Bank Details, Contact Us, Update Security Question, Change Password, and Logout. The main content area is titled 'Cart Details'. It contains a 'User' section with a text input field containing 'aishu huddar'. Below this is a 'Product' section with a dropdown menu. The dropdown is open, showing a list of products: '---Select Product---', 'Lenovo IdeaCentre AIO', 'ZenBook Pro X Laptop', 'Samsung Galaxy Tab FE', 'Samsung Galaxy S Ultra', 'UNBREAKable Magnetic Case for iPhone', 'Anker PowerPort Atom III USB C Charger', 'Sony Bravia OLED TV', 'ZEBRONICS New Launch Juke BAR and Karaoke UHF Mic Soundbar with Dual Wireless Subwoofer and Satellit', and 'JBL Flip six'. At the bottom of the page, there is a footer that reads '© Gadget Guru. Developed by: Aishwarya, Chinmayee and Mansi'.

Chapter 3:- Results and Discussions

Order Details :-

The screenshot displays the 'Order Details' page of the 'Gadget Guru' application. The interface includes a sidebar with navigation options and a main content area for order information.

Navigation Sidebar:

- Home
- Shipping Details
- Category
- Product Details
- Customise Order
- Cart Details
- Order Details (Active)
- Bank Details
- Contact Us
- Update Security Question
- Change Password
- Logout

Order Details Form:

- Shipping Address:** ghatla village
- Order Date:** 2024-04-22
- Order Time:** 08:55:07
- Status:** Order Placed

Buttons: Submit, Reset

© Gadget Guru.
Developed by: Aishwarya, Chinmayee and Mansi

Chapter 3:- Results and Discussions

Bank Details :-

The screenshot shows a web application interface for 'Gadget Guru'. On the left is a dark sidebar with a list of menu items: Home, Shipping Details, Category, Product Details, Customise Order, Cart Details, Order Details, Bank Details (highlighted), Contact Us, Update Security Question, Change Password, and Logout. The main content area is titled 'Bank Details' and contains several input fields: 'Bank Name' with the value 'BOI', 'UPI' with '1234', 'PIN' with '....', 'Account Holder' with 'aishu huddar', and 'Payment Status' with 'Paid'. At the bottom right of the form are two buttons: 'Submit' and 'Reset'. The top right of the page shows a user profile icon and the name 'aishu'.

Gadget Guru ☰ aishu

Bank Details

Bank Name

UPI

PIN

Account Holder

Payment Status

Chapter 3:- Results and Discussions

After ordering product :-

Cart Details

+ Add New

SI.NO	User	Product	Quantity	Total Price	Action
1	aishu huddar	Samsung Galaxy Tab FE	10	709990	
2	aishu huddar	ZenBook Pro X Laptop	1	153999	

© Gadget Guru.

Developed by: Aishwarya, Chinmayee and Mansi

Chapter 3:- Results and Discussions

Contact us :-

Contact Us

+ Add New

SI NO.	First Name	Last Name	Email	Mobile	Message	Recieve Date	Action
1	Aishwarya	Huddar	huddaraishwarya097@gmail.com	7892850146	site not working	2024-04-17	<div></div> <div></div>

© Gadget Guru.

Developed by: Aishwarya, Chinmayee and Mansi

Chapter 3 :- Conclusion and Future Scope

In conclusion, the development and launch of our e-commerce website mark a significant achievement in our quest to deliver a seamless online shopping experience. With careful planning and robust infrastructure, we've created a dynamic platform offering diverse products, intuitive navigation, and secure transactions. Moving forward, we aim to enhance user experience by implementing personalized features, improving mobile responsiveness, and refining checkout processes. Strengthening cybersecurity, expanding product offerings, and leveraging data analytics are also priorities. By staying innovative and customer-centric, we're poised for success and growth in the competitive online retail market.

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