ELECTRONIC STORE INVENTORY MANAGEMENT SYSTEM

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Mini Project Report

Submitted in partial fulfilment of the

Requirements for the award of the Degree of

BACHELOR OF ENGINEERING

IN

INFORMATION TECHNOLOGY

By

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DECLARATION BY THE CANDIDATE

We, SYED MUNEEBULLAH HUSSAINI and PRASUN REDDY bearing hall ticket numbers, 1602-19-737-178 and 1602-19-737-147, hereby declare that the project report entitled "ELECTRONIC STORE INVENTORY MANAGEMENT SYSTEM" is submitted in partial fulfilment of the requirement for the award of the degree of Bachelor of Engineering in Information Technology.

This is a record of bonafide work carried out by us and the results embodied in this project report have not been submitted to any other university or institute for the award of any other degree or diploma.

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Sincerely,

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ABSTRACT

Big Electronic Companies like Samsung, Apple etc. have large databases and multiple systems to manage their databases and inventory. This project is designed to implement a similar inventory management system for a small-scale electronics store. Store Employees will be able to use this project to keep track of inventory, add or remove products, control prices and manage the store, essentially. Employees will also be able to use this system to communicate better with and help their customers. They will be able to compare different features of different products as well.

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1. INTRODUCTION

1.1 About The Project

"Electronic Store Inventory Management System" is a console-based C Project intended to be used by electronic stores to manage store inventory, shipments, purchases and act as an information source for various products offered by the store.

1.2 Problem Domain

Most electronic stores are equipped with software facilities connected to their inventory which allow them to control purchases, shipments and inventory. However, such software is usually only available for store employees to use and cannot be availed by customers. They also have very limited functionality and are not usually up to the standards required by commercial businesses.

"Electronic Store Inventory Management System" intends to limit these drawbacks and make it easier to manage and control inventory, shipments and purchases store while also increasing customer-employee cohesion by providing information related to various products offered by the store. This project can be used by both employees and customers and has a flexible and vast list of features which make it easier for both the store employee and the customer.

1.3 Project Features

- 1. **Employee and Customer Authorization** The project features an authorization system for both employees and customers. Pre-registered employees can login and access the employee interface. Employees cannot utilize employee-specific features without successfully logging in. Customers can either register for a new account or login with existing accounts. Customers can access the customer interface without logging in however they gain access to a few extra features if they choose to continue as a registered customer.
- 2. **Manage Shipments** Employees can manage wholesale product shipments to the store via this project. The project will display the amount (corresponding to wholesale prices) needed to complete these shipments and will also log each

- shipment separately. Employees can also view these mentioned previous shipments at any time along with the date, time and cost for each shipment.
- 3. **Product Purchases** Customers can access the 'Buy Products' interface to select which products they want to purchase. After selection of each product, a list of features for that product will be displayed along with its price. The customer can then choose whether to confirm the product's selection or not and can then continue to select other products. A final list of products chosen along with total price will be displayed once the customer has completed selection. The selection and payment can then be confirmed by an employee (who needs to log in) to complete the purchase.
- 4. **Check Cash Balance** Store employees have the option to view the current cash balance of the store at any time, provided they are logged in.
- 5. **Check Stocks** Store employees can check the current stock of any product they select.
- 6. **Product Features** Both customers and employees can view features for a single product or compare different features of different products of the same type. The project will display a concise list of features for each product alongside each other if the compare products option is selected.
- 7. **Previous Purchases** Registered customers can view a list of all of their previous purchases made using that account only with date, time and price.
- 8. **Redeem Coupons** Registered customers can redeem coupon codes to get a discount on their purchase if the system is able to verify the code.

2. TECHNOLOGY

2.1 Software Requirements

The minimum software requirements to utilize the "Electronic Store Inventory Management System" are:

- Operating System: Windows XP or higher
- GNU Compiler Collection (GCC)
- Text Editor

2.2 Hardware Requirements

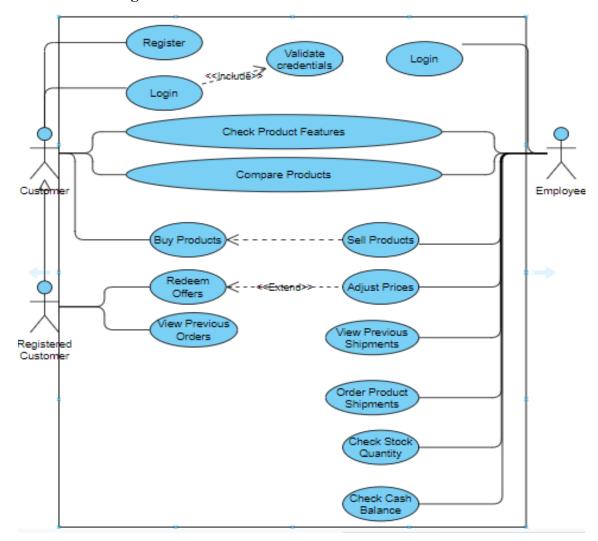
The minimum hardware requirements to utilize the "Electronic Store Inventory Management System" are:

- Minimum 4MB RAM
- Minimum 25MB Free Storage
- Processor: Intel 386 and its equivalent or higher

3. PROPOSED WORK

3.1 Design

3.1.1 Use Case Diagram



3.1.2. Actors

3.1.1.1 Employee

The Employee actor is the store employee and has access to manage product shipments, selling products and product features. Employees need to be logged in to be recognized as employees.

3.1.1.2 Customer

The Customer actor is a customer visiting the store to make a purchase or to survey the products offered by the store. A customer has access to buying

products and product features. Customers can continue with or without logging in. The Customer actor also extends the 'Registered Customer' actor.

3.1.2.3 Registered Customer

The Registered Customer actor is a customer who has successfully logged in. Registered Customers have access to more features than regular customers.

Actors Wise Use Cases

Employee

- Login as Employee
- Check Stock Quantity
- Order Product Shipments
- View Previous Shipments
- Check Product Features
- Compare Products
- Sell Products
- Check Cash Balance

Customer

- Register as Customer
- Login as Customer
- View Previous Purchases
- Check Product Features
- Compare Products
- Buy Products
- Redeem Coupons and Offers

3.1.3. Employee Use Cases

3.1.1.3 UC01 Employee Login

Employees need to successfully login to be recognized as employees and access the Employee interface. The Employee is first prompted by the System to enter credentials – Employee ID. The System then checks if the Employee ID is valid and exists. If invalid, the Employee is directed back to the previous menu. If it is valid, the Employee is prompted to enter the password. The System validates the input password by matching it with the existing password corresponding to the previously entered Employee ID. If password validation is successful, login is successful and the Employee continues to the Employee interface. If password validation is unsuccessful, the Employee is directed back to the previous menu along with a prompt.

User:	System:
Enters credentials.	
	Validates credentials from among store employees.
Prompted if invalid and returned to previous menu.	

3.1.1.4 UC02 Check Stocks

Logged In Employees can check the current stock of any selected product. The Employee first has to select the 'Check Stocks' option from the Employee interface and is then directed to the 'Check Stocks' section. The system displays the product menu and the user is prompted to select a product. The system then displays the current quantity of the product selected and also displays a warning if quantity is low.

User:	System:
Selects check stocks option.	
	Displays product menu. Prompts user to select.
Selects products group or product.	
	Displays stock of selected product.
Can continue to view stock for other products.	

3.1.1.5 UC03 Order Shipments

Logged In Employees can order new shipments for products at wholesale price. The Employee first has to select the 'Order Shipments' option from the Employee interface and is then directed to the 'Order Shipments' section. The Employee has to enter the number of products to be ordered. The system

displays the product menu for the Employee to select products and quantity for each. If sufficient cash balance is available, the shipment is completed and stocks and cash balance are updated.

User:	System:
Selects order shipments option.	
	Displays wholesale price of products. Prompts user to select product(s) and quantities.
Selects product(s) and quantity for each.	
	Stocks and cash balance are updated.

3.1.1.6 UC04 View Previous Shipments

Logged In Employees can view previous shipments of products. The Employee first has to select the 'View Previous Shipments' option from the Employee interface and is then directed to the 'View Previous Shipments' section. The system then displays the details of previous shipments along with cost, date and time for each shipment.

User:	System:
Selects View Previous Shipments option.	
	Displays details of previous shipments.

3.1.1.7 UC05 Sell Products

Employees can sell products provided a customer has initiated a purchase. The Employee is to confirm the purchase initiation and then forward the payment request. The Employee then has to confirm payment completion to complete the purchase. Stocks and cash balance are then updated and the Employee is warned if stock is low for any of the bought products.

User:	System:
	Displays customer request to purchase product.
Confirms purchase and forwards payment request.	
	Prompts customer to complete payment.
Completes product sale.	
	Updates stock.

3.1.1.8 UC06 Check Cash Balance

Logged In Employees can check the current cash balance. The Employee first has to select the 'Check Cash Balance' option from the Employee interface and is then directed to the 'Check Cash Balance' section. The system then displays the current cash balance.

User:	System:
Selects Check Balance option.	
	Cash Balance is displayed.

3.1.4. Customer Use Cases

3.1.4.1. UC07 Customer Register

Customers can register for a new account. The Customer first has to select the 'Create New Account' option from the Customer interface and is then directed to the 'Create New Account' section. The Customer is prompted to enter an Account name. If the Account name is not taken, the Customer is prompted to enter and confirm password. If password is confirmed, the system creates a new account for the Customer

User:	System:
Enters customer details.	
	Registers customer.

3.1.4.2. UC08 Customer Login

Customers can login to their account if they already have an existing one. The Customer first has to select the 'Log In' option from the Customer interface and is then directed to the 'Log In' section. The Customer is first prompted by the System to enter credentials – Account Name. The System then checks if the Account Name exists. If invalid, the Customer is directed back to the previous menu. If it is valid, the Customer is prompted to enter the password. The System validates the input password by matching it with the existing password corresponding to the previously entered Account name. If password validation is successful, login is successful and the Customer can continue as a Logged In Customer. If password validation is unsuccessful, the Customer is directed back to the previous menu along with a prompt.

User:	System:
Enters credentials.	
	Validates credentials from among registered customers.
Prompted if invalid and returned to previous menu.	

3.1.4.3. UC09 Buy Products

Customers can purchase products. The Customer first has to select the 'Buy Products' option from the Customer interface and is then directed to the 'Buy Products' section. The System then displays the product menu and the Customer is prompted to make a selection. The System displays a list of features and price for the product. The Customer can choose whether to confirm selection of the current product or not. The Customer can then choose whether to continue product selection or not. The Customer then has to enter quantity for each product selected. Once product selection is completed, the System displays the total price of the products selected. The Customer is once again prompted to confirm the purchase initiation. The Employee is then prompted to confirm the purchase initiation. The Customer is prompted to complete payment and then the purchase is completed. Stocks and Cash Balance are then updated.

User:	System:
	Displays product menu.
Selects product(s) to purchase.	
	Displays price.
Selects whether to initiate purchase or not.	
	Prompts customer for payment after employee confirmation
Completes payment.	

3.1.5. Registered Customer Use Cases

3.1.5.1. UC10 View Previous Purchases

Registered Customers can view previous purchases they have made with that account. The Customer first has to select the 'View Previous Purchases' option from the Logged In Customer interface and is then directed to the 'View Previous Purchases' section. The System then displays a list of previous purchases made with that account along with price, date and time.

User:	System:
Selects View Previous Purchases option.	
	Displays details of previous purchases.

3.1.5.2. **UC11 Redeem Coupons**

Registered Customers can redeem coupon codes, if they have any, for discounts in product purchases. The Customer, if Logged In, is asked if they have a coupon code before completing a purchase. If they have a coupon code, the Logged In Customer is then prompted to enter the code. The system validates the code and if successful, a discount is applied to the total price of the product purchase.

User:	System:
Enters coupon code	
	Checks coupon validity. Reduces product price if coupon is valid.

3.1.6. Common Use Cases

These Use Cases are common to both Employee and Customer actors.

3.1.6.1. UC12 View Product Features

Both Employees and Customers have the option to view product features for a single product. The User first has to select the 'View Product Features' from the corresponding interface. The System then displays the product menu and the User is prompted to select a product. The System then displays a list of features for the product selected.

User:	System:
Selects View Product Features option.	
	Displays product menu. Prompts user to select product.
Selects product.	
	Displays product features.

3.1.6.2. **UC13 Compare Product Features**

Both Employees and Customers have the option to compare product features for several products. The User first has to select the 'Compare Product Features' from the corresponding interface. The User is then prompted to select the number of products to compare. The System then displays the product menu and the User is prompted to select products. The System then displays the features of the products selected alongside each other for comparison.

User:	System:
Selects Compare Product Features option.	
	Displays product menu. Prompts user to select product.
Selects products.	
	Displays product comparison.

3.2. Implementation

3.2.1 Functions

```
#include<stdlib.h>
#include<string.h>
 int cash_balance = 0; //External variable to store Cash Balance which can be accessed throughout the program
  void clear(); //Clears screen when called
 void Employee(); //Displays Employee Interface if Login is successful
int EmployeeLogin(); //Verifies Employee Identity
 void CheckStocks(); //Enables Employee to Check Stock Quantity
void OrderShipments(); //Enables Employee to Order New Shipments
void ViewShipments(); //Enables Employee to View Previous Shipments
  void ViewFeatures(); //Enables User to View Features for a single product
 void CompareProducts(); //Enables User to Compare Features of several products
  //CompareProducts() function branches into 2 functions to handle mobile Feature Comparison and Laptop Feature Comparison //CompareProducts() also reads the number of products to be compared and passes them to CompareMobiles() and CompareLaptops()
  void CompareMobiles(int n);
void CompareLaptops(int n);
void Customer(); //Displays Customer Interface
void CustomerRegistry(); //Enables Customers to create new Customer Account:
  void CustomerLogin(); //Verifies Customer Identity if Customer Account already exists
void LoggedInCustomer(char Account[]); //Displays Logged In Customer Interface, Account name is passed to this function
void RegularCustomer(); //Displays Regular Customer Interface
void BuyProducts(int flag, char Account[]); //Enables Customer to Buy Products
//flag variable is used to toggle between Logged In and Registered Customer, Account name is passed if Customer is Logged In
void PreviousPurchases(char Account[35]); //Enables Logged In Customer to View Previous Purchases made using that Customer Account
int RedeemCoupons(char coupon[]); //Called by BuyProducts() Function if Customer has a Coupon Code and verifies the code
 void set_quantity(char id[], int quantity); //changes Quantity of a product depending on New Purchase/Shipment
int get_quantity(char id[]); //Returns Quantity of selected product
void product_name(char id[], char name[]); //Assigns Product Name to name[] String
int product_price(char id[]); //Returns Product Price
 char* set_product(); //Used across the program to enable User to select product
//set_product() function branches into mobile() and laptop() functions which display Menus to select Mobile/Laptop brand
char* mobiles();
char* laptops();
//mobile() and laptop() functions branch into several functions corresponding to each brand
char* oneplus_mobiles();
char* xiaomi_mobiles();
char* samsung_mobiles();
```

3.2.2 Main Module

char* hp_laptops();
char* dell_laptops();
char* asus_laptops();

```
preak;

printf("\n\t\tEXITING THE SYSTEM...\n");

preak;

default:printf("\n\t\tINVALID INPUT...\n");

break;

default:printf("\n\t\tINVALID INPUT...\n");

break;

printf("\n\t\tinvalid Input...\n");

printf("\n\t\tinvalid Input...\n");

printf("\n\t\tinvalid Input...\n");

printf("\n\t\tinvalid Input...\n");

printf("\n\t\tinvalid Input...\n");

printf(Balance;

printf(Balance, "%d", cash_balance);

fclose(Balance);

fclose(Balance);

clear();

clear();
```

3.2.3 Employee Module

```
| break; | case 2: balance(); | break; | case 3: OnderShipments(); | clear(); | break; | case 5: Viewfeatures(); | clear(); | break; | case 6: CompareProducts(); | clear(); | break; | case 6: CompareProducts(); | clear(); | break; | case 7: printf("\n\t\tEXITINS TO MAIN NENU...\n"); | break; | default:printf("\n\t\tINVALID INPUT...\n"); | break; | default:printf("\n\t\tINVALID INPUT...\n"); | clear(); | c
```

```
printf("\n\n\t\tSHIPMENT CONFIRMED");

printf("\n\n\t\tSHIPMENT CONFIRMED");

printf("\n\n\t\tSHIPMENT CONFIRMED");

printf("\n\n\t\tShipment Details are stored in file along with date and time
fp = fopen("PreviousShipments.txt", "a");

time(arantime);

time(ar
```

3.2.4 Customer Module

```
printf("\n\t\tLOGGED IN AS REGISTERED CUSTOMER\n");
clear();
clear
```

```
| Case 2: PreviousPurchases(Account);
| Clear(); | Dreak;
| Clear(); | Dreak;
| Case 3: ViewFeatures();
| Clear(); | Dreak;
| Case 4: CompareProducts();
| Clear(); | Dreak;
| Case 5: printf("\n\t\tEXTING TO MAIN MENU...\n");
| Dreak; | Dreak; | Dreak;
| Case 6: printf("\n\t\tEXTING TO MAIN MENU...\n");
| Dreak; | Dre
```

```
feetures
from printf("\n\n\t\tintiation faileD...");
freture;
freture;
frequency
```

3.2.5 Product Features Module

```
printf("\n\t\tenter YOUR CHOICE: ");

scanf("%d", &c);

//Number of products is read and passed to according mobiles/laptops function
printf("\n\n\t\tenter NUMBER OF PRODUCTS TO COMPARE: ");

scanf("%d", &n);

n = n + 1;

switch(c)

for acase 1: CompareMobiles(n);

return;

case 2: CompareLaptops(n);
 return;

default:printf("\n\t\t\tINVALID INPUT...\n");

}

void CompareMobiles(int n) //Enables User to Compare Features for several mobiles

int i, j;

char c, mob[10], file[15], s[100];

File Mobiles[0] = fopen("mobile.txt", "r");

//File Pointer array is used to point towards features file of each mobile selected
for(i = 1; i < n; i++)

for (i = 1; i < n; i++)

f
```

```
801 | fclose(Laptops[i]);
802 | }
803 }
804
```

3.2.6 Product Details Module

```
void set_quantity(char id[10], int quantity) //Changes Quantity of a product depending on New Purchase/Shipment

{
    FILE *Product;
    char file[10], s[5];
    strcat(file, ".txt");
    Product = fopen(file, "w"); //Product file is opened
    itoa(quantity, s, 10);
    frlose(Product);
    int get_quantity(char id[10]) //Returns Quantity of selected product

    int get_quantity(char id[10]) //Returns Quantity of selected product

    int get_quantity(char id[10]) //Returns Quantity of selected product

    int get_quantity;
    char file[10], s[5], name[100];
    strcat(file, ".txt");
    Product = fopen(file, "r"); //Product file is opened
    fscanf(Product, "%s", s);
    quantity = atoi(s);
    fclose(Product);

    //Warning is displayed if stocks of product are low
    if(quantity < 10)
    //    printf("\n\t\PRODUCT STOCK IS LOW");
    product_name(id, name);
    printf("\n\t\PRODUCT STOCK IS LOW");
    printf(
```

```
c = getc(Product);
while(c != 10)
{
    putch(c);
    c = getc(Product);
}

printf("\n");

}

fp = fopen("laptop.txt", "r");
for(i = 0; i < 8; i++)

{
    printf("\t");
    c = getc(fp);
    while(c != 10)

882
    printf("\t");
    c = getc(fp);

883
    putch(c);
    c = getc(fp);

886
    printf("\t");
    c = getc(fp);

887
    c = getc(fp);

888
    while(c != 10)

    c = getc(fp);

887
    c = getc(fp);

888
    putch(c);
    c = getc(fp);

889
    putch(c);
    c = getc(froduct);

889
    putch(c);
    c = getc(Product);

889
    putch(c);
    c = getc(Product);

889

890
    putch(c);
    c = getc(Product);

891
    printf("\n");

893
    printf("\n");
</pre>
```

3.2.7 Product Selection Module

```
case 6: return "M106";
case 7: return "M107";
default:printf("\n\t\tINVALID INPUT...\n");
                           char* samsung mobiles()
                                     1039
1040
1041
 1042
1043
1044
                                                     switch(c)
{
    case 1: return "M201";
    case 2: return "M202";
    case 3: return "M203";
    case 4: return "M204";
    case 5: return "M205";
    case 6: return "M206";
    default:printf("\n\t\tINVALID INPUT...\n");
 1045
1046
1047
1048
1049
1050
1051
1052
                             char* apple_mobiles()
                                                      {
printf("\n\t\t\t\t\tSELECT APPLE MOBILE");
printf("\n\n\t\tPRESS:");
printf("\n\t\tPRESS:");
printf("\n\t\t1 TO SELECT 1PHONE 12");
printf("\n\t\t2 TO SELECT 1PHONE 12 PRO");
printf("\n\t\t3 TO SELECT 1PHONE 12 PRO");
printf("\n\t\t3 TO SELECT 1PHONE 12 PRO MAX");
printf("\n\t\t8TITER YOUR CHOICE: ");
scanf("%d', &c);
switch(c)
                                                    SMILITE()
{
    case 1: return "M301";
    case 2: return "M302";
    case 3: return "M303";
    case 3: return "M303";
    default:printf("\n\t\tINVALID INPUT...\n");

                           char* laptops()
                         { int c;
                                       do{
  printf("\n\t\t\t\tSELECT LAPTOP BRAND");
  printf("\n\n\t\tPRESS:");
                                                          printf("\n\t\t1 TO SELECT HP");
printf("\n\t\t2 TO SELECT DELL");
printf("\n\t\t2 TO SELECT ASUS");
printf("\n\t\t4 TO SELECT LENUO");
printf("\n\t\t4 TO SELECT LENUO");
printf("\n\t\tENTER YOUR CHOICE: ");
   1083
1084
1085
1086
1087
                                                        printf("\n\t\tENTER YOUR CHOICE: ");
scanf("%d, &c);
switch(c)
{
    case 1: return hp_laptops();
    case 2: return dell_laptops();
    case 3: return asus_laptops();
    case 4: return lenovo_laptops();
    default:printf("\n\t\tINVALID INPUT...\n");
}
                                            }
}while(1);
                                        int c;
do{
    printf("\n\t\t\executer HP LAPTOP");
    printf("\n\t\t\executer HP LAPTOP");
    printf("\n\t\t\executer HP 15");
    printf("\n\t\t\executer HP 15");
    printf("\n\t\executer HP 15");
    printf("\n\t\executer TO SELECT HP 15");
    printf("\n\t\executer TO SELECT HP PAVILION x360");
    printf("\n\t\executer TO SELECT HP PAVILION X360");
    printf("\n\t\executer TO SELECT HP PAVILION X360");
    printf("\n\t\executer TOUR CHOICE: ");
    scanf("MI", 8c);
}
```

scanf("%d", &c);
switch(c)

3.2.8 Miscellaneous

```
1202 void clear()
1203 {
1204 | printf("\n\n\t\tPRESS ANY KEY TO CONTINUE");
1205 | getch();
1206 | system("cls");
1207 }
```

3.2.9 Github Link

https://github.com/MuneebHussaini/Mini-Project-ESIMS.git

3.2.10 Github Folder Structure

- esims.c is the C File
- esims.exe is the executable File
- Each Product has 4 files Stock, Name, Price, Features
 - o Stock File is indicated by product ID.

Ex: L101

o Name File is indicated by product ID followed by suffix N.

Ex: L101N

o Price File is indicated by product ID followed by suffix P.

Ex: L101P

o Features File is indicated by product ID followed by suffix F.

Ex: L101F

- Each Employee ID has an account which stores the account password
- Each Customer Account has 2 files, 1 storing the account password and the other containing details of previous purchases
- mobile.txt and laptop.txt contain a generic list of features
- balance.txt stores the cash balance
- PreviousShipments.txt stores details of previous shipments

MuneebHussaini Add files via uploa	d	ac37a4f 3 hours ago 🐧 4 commits
🖰 101.txt	Add files via upload	17 hours ago
🖰 102.txt	Add files via upload	17 hours ago
🖰 103.txt	Add files via upload	17 hours ago
🖰 104.txt	Add files via upload	17 hours ago
🖰 105.txt	Add files via upload	17 hours ago
🖰 106.txt	Add files via upload	17 hours ago
🖰 107.txt	Add files via upload	17 hours ago
🖰 108.txt	Add files via upload	17 hours ago
□ L001.txt	Add files via upload	17 hours ago
L001F.txt	Add files via upload	17 hours ago
L001N.txt	Add files via upload	17 hours ago
L001P.txt	Add files via upload	17 hours ago
□ L002.txt	Add files via upload	17 hours ago
	Add files via upload	17 hours ago
L002N.txt	Add files via upload	17 hours ago
L002P.txt	Add files via upload	17 hours ago
L002P.txt L003.txt	Add files via upload Add files via upload	17 hours ago
L003.txt	Add files via upload	17 hours ago
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L103.txt	Add files via upload	17 hours ago
L103F.txt	Add files via upload	17 hours ago
L103N.txt	Add files via upload	17 hours ago
L103P.txt	Add files via upload	17 hours ago
L104.txt	Add files via upload	17 hours ago
L104F.txt	Add files via upload	17 hours ago
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L106P.txt	Add files via upload	17 hours ago
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L201N.txt	Add files via upload	17 hours ago
L201P.txt	Add files via upload	17 hours ago
L202.txt	Add files via upload	17 hours ago
L202F.txt	Add files via upload	17 hours ago
L202N.txt	Add files via upload	17 hours ago
L202P.txt	Add files via upload	17 hours ago
L203.txt	Add files via upload	17 hours ago
L203F.txt	Add files via upload	17 hours ago
L203N.txt	Add files via upload	17 hours ago
L203P.txt	Add files via upload	17 hours ago
L204.txt	Add files via upload	17 hours ago
L204F.txt	Add files via upload	17 hours ago
L204N.txt	Add files via upload	17 hours ago

L204P.txt	Add files via upload	17 hours ago
	Add files via upload	17 hours ago
L205F.txt	Add files via upload	17 hours ago
L205N.txt	Add files via upload	17 hours ago
	Add files via upload	17 hours ago
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🖰 L301F.txt	Add files via upload	17 hours ago
L301N.txt	Add files via upload	17 hours ago
L301P.txt	Add files via upload	17 hours ago
L302.txt	Add files via upload	17 hours ago
L302F.txt	Add files via upload	17 hours ago
L302N.txt	Add files via upload	17 hours ago
🖰 L302P.txt	Add files via upload	17 hours ago
L303.txt	Add files via upload	17 hours ago
L303F.txt	Add files via upload	17 hours ago
L303N.txt	Add files via upload	17 hours ago
□ 1202D	Add files via unlead	17 hours ago
L303P.txt	Add files via upload	17 Hours ago
L304.bxt	Add files via upload	17 hours ago
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L304.txt	Add files via upload	17 hours ago
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L304.bxt L304F.bxt L304F.bxt L304P.bxt L305F.bxt L305F.bxt L305F.bxt L305P.bxt L306F.bxt L306F.bxt L306F.bxt L306F.bxt L306P.bxt L306P.bxt L307.bxt	Add files via upload Add files via upload	17 hours ago

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٥	M106.txt	Add files via upload	3 minutes ago
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□ M206P.txt	Add files via upload	4 minutes ago
[™] M301.txt	Add files via upload	4 minutes ago
M301F.txt	Add files via upload	4 minutes ago
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M301P.txt	Add files via upload	4 minutes ago
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M302F.txt	Add files via upload	4 minutes ago
M302N.txt	Add files via upload	4 minutes ago
M302P.txt	Add files via upload	4 minutes ago
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M303F.txt	Add files via upload	4 minutes ago
M303N.txt	Add files via upload	4 minutes ago
☐ M303P.txt	Add files via upload	4 minutes ago
PreviousShipment	ts.txt Add files via upload	4 minutes ago
balance.txt	Add files via upload	17 hours ago
ြု esims.c	Add files via upload	3 hours ago
ြ esims.exe	Add files via upload	3 hours ago
☐ laptop.txt	Add files via upload	17 hours ago
mobile.txt	Add files via upload	4 minutes ago
muneeb.txt	Add files via upload	4 minutes ago
muneebPH.txt	Add files via upload	4 minutes ago
🖰 prasun.txt	Add files via upload	4 minutes ago
prasunPH.txt	Add files via upload	4 minutes ago

3.3 **Testing**

3.3.1 Employee Use Cases

3.3.1.1 UC01 Employee Login

Test case ID: TC0101		Use case ID:
Test case title: Employee I	UC01	
1	r attempts to Login with valid	
Employee ID and correct pa	assword	
Test steps	Expected result	Actual result
1. System prompts User	"LOGGED IN AS	"LOGGED IN AS
to enter credentials.	EMPLOYEE"	EMPLOYEE"
2. User enters valid	Confirmation Message is	Confirmation Message is
Employee ID and correct	displayed.	displayed.
password associated with		
it.		

Test case ID: TC0102		Use case ID:
Test case title: Employee I	Login	UC01
Test case description : Use Employee ID but incorrect	r attempts to Login with valid	
Test steps	Expected result	Actual result
 System prompts User to enter credentials. User enters valid Employee ID but incorrect password. 	"LOG IN FAILED DUE TO INCORRECT ID OR PASSWORD" Error Message is displayed and User is returned to previous Menu.	"LOG IN FAILED DUE TO INCORRECT ID OR PASSWORD" Error Message is displayed and User is returned to previous Menu.

Test case ID: TC0103	Use case ID:		
Test case title: Employee Login			UC01
Test case description: Use	er attempts to Login with inval	id	
Employee ID			
Test steps	Expected result	Ac	tual result
1. System prompts User	"LOG IN FAILED DUE	"LOG IN	FAILED DUE
to enter credentials.	TO INCORRECT ID OR	TO INCO	RRECT ID OR
2. User enters invalid	PASSWORD" Error	PASSWC	RD" Error
Employee ID.	Message is displayed and	Message i	is displayed and
	User is returned to	User is re	turned to
	previous Menu.	previous l	Menu.

3.3.1.2 UC02 Check Stocks

Test case ID: TC0201			Use case ID:
Test case title: Check Stocks			UC02
Test case description : I with sufficient stocks.	Employee Checks Stocks for a p	product	
Test steps	Expected result	Ac	tual result
1. System prompts Employee to select product.	Current Product Stock is displayed.	Current P displayed	roduct Stock is

Test case ID: TC0202 Test case title: Check Stock	Use case ID: UC02		
Test case description : Employee Checks Stocks for a product with low stocks.			0.002
Tost stons	Exmanted magnit	A a	4 . 1 14
Test steps	Expected result	AC	tual result

3.3.1.3 UC03 Order Shipments

Test case ID: TC0301			Use case ID:
Test case title: Order Shipments			UC03
Test case description : Emgaufficient Cash Balance	ployee Orders Shipments with	1	
Test steps	Expected result	Ac	tual result
 System prompts Employee to select products. Employee selects products and enters quantities such that total cost is less than current cash balance. 	System displays summary of Products selected along with total price and Shipment is confirmed.	of Produc with total	isplays summary its selected along price and is confirmed.

Test case ID: TC0302			Use case ID:
Test case title: Order Ships	ments		UC03
Test case description : Empinsufficient Cash Balance	ployee Orders Shipments with	l	
Test steps	Expected result	Ac	tual result
1. System prompts Employee to select products. 2. Employee selects products and enters quantities such that total cost is more than current cash balance.	System displays summary of Products selected along with total price. Shipment is blocked due to insufficient cash balance.	of Produc with total is blocked	splays summary ts selected along price. Shipment I due to nt cash balance.

3.3.1.4 UC04 View Previous Shipments

Test case ID: TC0401		Use case ID:	
Test case title: View Pre	evious Shipments	UC04	
Test case description: E	Employee Views Shipments		
Test steps	Expected result	Actual result	
1. Employee selects	System displays details of	System displays details of	
'View Previous	all Previous Shipments	all Previous Shipments	
Shipments' option.	along with price, date and	along with price, date and	
	time.	time.	

3.3.1.5 UC05 Sell Products

Test case ID: TC0501			Use case ID:
Test case title: Sell Produc	ets		UC05
Test case description: Em	ployee confirms purchase.		
Test steps	Expected result	Ac	tual result
1. Employee is prompted	"PURCHASE	"PURCH	ASE
to log in.	COMPLETED"	COMPLE	ETED"
2. Employee is prompted	Confirmation Message is	Confirma	tion Message is
to confirm purchase and	displayed.	displayed	
payment.			
3. Employee confirms.			

Test case ID: TC0502			Use case ID:
Test case title: Sell Produc	ts		UC05
Test case description: Em	ployee does confirm purchase		
Test steps	Expected result	Ac	tual result
 Employee is prompted to log in. Employee is prompted to confirm purchase and payment. Employee does not confirm. 	"PURCHASE NOT COMPLETED" Error Message is displayed.	COMPLE	ASE NOT ETED" Error is displayed.

3.3.1.6 UC06 Check Cash Balance

Test case ID: TC0601		Use case ID:
Test case title: Check Ca	UC06	
Test case description: En	mployee checks cash balance	
Test steps	Expected result	Actual result
1. Employee selects 'Check Cash Balance' option.	System displays the current cash balance.	System displays the current cash balance.

3.3.2 Customer Use Cases

3.3.2.1 UC07 Customer Register

Test case ID: TC0701			Use case ID:
Test case title: Customer Register			UC07
Test case description : User Registers for new account with unique account name.			
Test steps	Expected result	Act	tual result
 System prompts User to enter credentials. User enters unique Account name. 	"NEW CUSTOMER ACCOUNT SUCCESSFULLY CREATED" Confirmation Message is displayed.	ACCOUN SUCCESS CREATE	

Test case ID: TC0702			Use case ID:
Test case title: Customer R	Register		UC07
Test case description : Use with taken account name.	r attempts to register for new	account	
Test steps	Expected result	Ac	tual result
 System prompts User to enter credentials. User enters taken Account name. 	"ACCOUNT NAME TAKEN" Error Message is displayed.		NT NAME Error Message is

3.3.2.2 UC08 Customer Login

Test case ID: TC0801 Test case title: Customer L Test case description: Use	ogin or attempts to Login with exist	Use case ID: UC08
account and correct passwo Test steps	Expected result	Actual result
 System prompts User to enter credentials. User enters existing account name and correct password associated with it. 	"LOGGED IN AS CUSTOMER" Confirmation Message is displayed.	"LOGGED IN AS CUSTOMER" Confirmation Message is displayed.

Test case ID: TC0802 Test case title: Customer I Test case description: Use account but incorrect passw	er attempts to Login with exis	Use case ID: UC08
Test steps	Expected result	Actual result
 System prompts User to enter credentials. User enters existing account name but incorrect password. 	"INCORRECT PASSWORD" Error Message is displayed.	"INCORRECT PASSWORD" Error Message is displayed.

Test case ID: TC0803			Use case ID:
Test case title: Customer I	ogin		UC08
Test case description : Use account.	er attempts to Login with non-o	existing	
Test steps	Expected result	Ac	tual result
 System prompts User to enter credentials. User enters non-existing account name. 	"ACCOUNT DOES NOT EXIST" Error Message is displayed.		NT DOES NOT Error Message is

3.3.2.3 UC09 Buy Products

Test case ID: TC0901			Use case ID:
Test case title: Buy Produc	ets		UC09
Test case description: Cus	tomer completes purchase.		
Test steps	Expected result	Ac	tual result
 Customer selects products and enters quantities. Customer initiates and completes purchase. 	System prompts Employee for confirmation.	System pr for confirm	ompts Employee mation.

Test case ID: TC0902		Use case ID:	
Test case title: Buy Prod	lucts	UC09	
Test case description: C	Customer does not complete pu	ırchase.	
Test steps	Expected result	Actual result	
1. Customer selects products and enters quantities.	"INITIATION FAILED" Error Message is displayed.	"INITIATION FAILED" Error Message is displayed.	
2. Customer does not initiate purchase.			

3.3.3 Registered Customer Use Cases

3.3.3.1 UC10 View Previous Purchases

Test case ID: TC1001			Use case ID:
Test case title: View Previ	UC10		
Test case description: Log	gged In Customer views Previo	ous	
Purchases			
Test steps	Expected result	Ac	tual result
1. Logged In Customer	System displays details of	System di	isplays details of
selects 'View Previous	all Previous Purchases for	all Previous Purchases for	
Purchases' option.	that account along with	that account along with	
	price, date and time.	price, date	e and time.

3.3.3.2 UC11 Redeem Coupons

Test case ID: TC1101			Use case ID:
Test case title: Redeem Coupons			UC11
Test case description: Logged In Customer enters valid Coupon			
Code			
Test steps	Expected result	Actual result	
1. System asks Logged In	Discount Message is	Discount Message is	
Customer if they have a	Displayed and Purchase	Displayed and Purchase	
coupon code.	Initiation is prompted.	Initiation	is prompted.
2. Logged In Customer			
enters valid Coupon			
Code.			

Test case ID: TC1102			Use case ID:	
Test case title: Redeem Coupons			UC11	
_	ged In Customer does not ent	er coupon		
code. Test steps	Expected result	Ac	Actual result	
 System asks Logged In Customer if they have a coupon code. Logged In Customer gives negative input. 	Purchase Initiation is prompted.	Purchase prompted	Initiation is	

3.3.4 Common Use Cases

3.3.4.1 UC12 View Product Features

Test case ID: TC1201			Use case ID:
Test case title: View Product Features			UC12
Test case description: Use	r selects Mobile to display fea	itures.	
Test steps	Expected result	Actual result	
 System prompts User to select product. User selects mobile. 	Mobile Features are displayed.	Mobile Fe displayed	eatures are

Test case ID: TC1202			Use case ID:
Test case title: View Product Features			UC12
Test case description: User selects Laptop to display features.			
Test steps	Expected result	Actual result	
1. System prompts User	Laptop Features are	Laptop Features are	
to select product.	displayed.	displayed	•
2. User selects laptop.			

3.3.4.2 UC13 Compare Product Features

Test case ID: TC1301			Use case ID:
Test case title: Compare Product Features			UC13
Test case description: Use	r selects Mobiles to display fe	eatures.	
Test steps	Expected result	Actual result	
+1. System prompts User to enter number of products. 2. System prompts User to select products. 3. User selects mobiles.	Features of Mobiles are displayed side by side.		of Mobiles are side by side.

Test case ID: TC1302			Use case ID:
Test case title: Compare Product Features			UC13
Test case description: Use	er selects Laptops to display for	eatures.	
Test steps	Expected result	Actual result	
 System prompts User to enter number of products. System prompts User to select products. User selects laptops. 	Features of Laptops are displayed side by side.		of Laptops are side by side.

4 RESULTS

4.2 TC0101



4.3 TC0102



4.4 TC0103



4.5 TC0201

4.6 TC0202

```
CAUSERIAST DESKtopi Muneebi Mini Project ESMS issims.exe

CHECK STOCKS

SELECT PRODUCT

PRESS:

1 TO SELECT MOBILE
2 TO SELECT MOBILE
2 TO SELECT MOBILE BRAND

PRESS:

1 TO SELECT MOBILE BRAND

PRESS:
1 TO SELECT MOBILE BRAND

PRESS:
1 TO SELECT AND HUS
2 TO SELECT AND HUS
3 TO SELECT AND HUS
4 TO SELECT AND HUS
5 TO SELECT MOBILE
ENTER YOUR CHOICE: 1

SELECT ONE PLUS MOBILE

PRESS:
1 TO SELECT ONE PLUS MOBILE

PRESS:
1 TO SELECT ONE PLUS BORD 5G
2 TO SELECT ONE PLUS B PRO
ENTER YOUR CHOICE: 1

PRODUCT STOCK IS LOW
PRESS ANY KEY TO CONTINUE
```

4.7 TC0301

```
■ C:\Users\ss\Desktop\Muneeb\Mini Project\ESIMS\esims.exe
                      PRESS:
1 TO SELECT MOBILE
2 TO SELECT LAPTOP
ENTER YOUR CHOICE: 2
C:\Users\ss\Desktop\Muneeb\Mini Project\ESIMS\esims.exe
                                        SELECT ASUS LAPTOP
■ C:\Users\ss\Desktop\Muneeb\Mini Project\ESIMS\esims.exe
                     SHIPMENT CONFIRMED
```

4.8 TC0302

```
RECOldered and Deaterpy Muneelo Man Project ESIMO science are

ORDER SHIPHERITS

ENTER NUMBER OF DIFFERENT PRODUCTS: 1

SELECT PRODUCT

PRESS:
1 TO SELECT ANOTHE
2 TO SELECT ANOTHE
2 TO SELECT ANOTHE
3 TO SELECT ANOTHE
3 TO SELECT ANOTHE
4 TO SELECT ANOTHE
3 TO SELECT ANOTHE
3 TO SELECT ANOTHE
4 TO SELECT ANOTHE
5 TO SELECT ANOTHE
5 TO SELECT ANOTHE
6 TO SELECT ANOTHE SELECT OWNER US NOT SELECT OW
```

4.9 TC0401



4.10 TC0501

```
EMPLOYEE CONFIRMATION REQUIRED

EMPLOYEE LOG IN
ENTER PASSWORD: bentley

PRESS ANY KEY TO CONTINUE

EMPLOYEE SIMS lesins.exe — ① ×

EMPLOYEE ENTER 1 TO CONFIRM PURCHASE INITATION: 1

CUSTOMER IS TO COMPLETE PAYMENT
ENTER 1 TO CONFIRM PAYMENT HAS BEEN COMPLETED: 1

PRODUCT ID
Ne01
1
1
27999

TOTAL COST: 27999
CURRENT CASH BALANCE: 20362188

PRESS ANY KEY TO CONTINUE
```

4.11 TC0502

```
EMPLOYEE LOG IN
ENTER EMPLOYEE ID: 101
ENTER PASSWORD: bentley

PRESS ANY KEY TO CONTINUE

Select CAUserNssDesktoplMuneeb\Mini ProjectESIMS\esimt.exe

EMPLOYEE ENTER 1 TO COMFIRM PURCHASE INITATION: 0

PURCHASE NOT COMPLETED

PRESS ANY KEY TO CONTINUE
```

4.12 TC0601

■ C\Users\ss\Desktop\Muneeb\Mini Project\ESIMS\seims.exe
 CURRENT CASH BALANCE: 20362188
 PRESS ANY KEY TO CONTINUE

4.13 TC0701

ENTER ACCOUNT NAME (Max 30 Characters): hello

ENTER PASSWORD (Max 30 Characters): hello

CONFIRM PASSWORD: hello

NEW CUSTOMER ACCOUNT SUCCESSFULLY CREATED

PRESS ANY KEY TO CONTINUE

4.14 TC0702

Select C:\Users\ssi\Desktop\Muneb\Mini Project\ESIMS\seims.exe

ENTER ACCOUNT NAME (Max 30 Characters): muneeb

ACCOUNT NAME TAKEN

PRESS ANY KEY TO CONTINUE

4.15 TC0801



4.16 TC0802

4.17 TC0803

```
■ C:\Users\ss\Desktop\Munee\\Mini Project\ESIMS\tesims.exe — □ ×

ENTER CUSTOMER ACCOUNT NAME: person

ACCOUNT NAME DOES NOT EXIST

PRESS ANY KEY TO CONTINUE
```

4.18 TC0901

```
INVENTORY MANAGEMENT SYSTEM

CUSTOMER MENU

PRESS:
CUSTOMER MENU

PRESS:
1 TO BUY PRODUCTS
2 TO VIEW PRODUCT FEATURES
3 TO COMPARE PRODUCT FEATURES
4 TO EXIT

ENTER YOUR CHOICE: 1

BUY PRODUCTS

SELECT PRODUCT

PRESS:
1 TO SELECT MOBILE
2 TO SELECT MOBILE BRAND

PRESS:
1 TO SELECT OBBILE BRAND

PRESS:
1 TO SELECT OBBILE BRAND

PRESS:
1 TO SELECT MOBILE BRAND

PRESS:
2 TO SELECT MOBILE BRAND

PRESS:
3 TO SELECT MOBILE BRAND

PRESS:
4 TO SELECT MOBILE BRAND

PRESS:
5 TO SELECT MOBILE BRAND

PRESS:
6 TO SELECT MOBILE BRAND

PRESS:
7 TO SELECT MOBILE BRAND

PRESS:
8 TO SELECT MOBILE BRAND

PRESS:
9 TO SELECT MOBILE BRAND

P
```

```
SELECT ONEPLUS MOBILE

PRESS:

1 TO SELECT ONEPLUS NORD SG
2 TO SELECT ONEPLUS BT
4 TO SELECT ONEPLUS BT
4 TO SELECT ONEPLUS BT
6 TO SELECT ONEPLUS BT
7 TO SELECT ONEPLUS BT
8 TO SELECT ONEPLUS BT
9 TO SELECT ONEPLUS BT
9 TO SELECT ONEPLUS BT
1 TO SELECT DISPLAYED
1 TO SELECT THIS PRODUCT TO BLY: 1

PRODUCT: OnePlus Nord SG SELECTED
ENTER 1 TO CONTINUE SELECTING OTHER PRODUCTS: 2

PRODUCT SELECTION HAS STOPPED
```

```
PRODUCT SELECTION HAS STOPPED PRODUCT STOKE IS LOW PRODUCT: OnePlus Nord 5G QUANTITY: 6 ORDER SHIPMENTS AT EARLEST

PRODUCT: OnePlus Nord 5G ENTER PRODUCT QUANTITY: 1

PRODUCT: OnePlus Nord 5G ENTER PRODUCT QUANTITY: 1

PRODUCT ID QUANTITY: 1

PRODUCT ID QUANTITY: PRICE 1 27999

TOTAL COST: 27999

ENTER 1 TO INITIATE PURCHASE: 1

EMPLOYEE CONFIRMATION REQUIRED EMPLOYEE LOG IN ENTER EMPLOYEE LOG IN EMPLO
```

4.19 TC0902

```
ð
C:\Users\ss\Desktop\Muneeb\Mini Project\ESIMS\esims.exe
                                                                        CUSTOMER MENU
                             PRESS:
1 TO BUY PRODUCTS
2 TO VIEW PRODUCT FEATURES
3 TO COMPARE PRODUCT FEATURES
4 TO EXIT
                             BUY PRODUCTS
SELECT PRODUCT 1
                              PRESS:
1 TO SELECT MOBILE
2 TO SELECT LAPTOP
ENTER YOUR CHOICE: 1
C:\Users\ss\Desktop\Muneeb\Mini Project\ESIMS\esims.ex
                            PRESS:
1 TO SELECT ONEPLUS
2 TO SELECT XIAOMI
3 TO SELECT SAMSUNG
4 TO SELECT APPLE
ENTER YOUR CHOICE: 1
                                       S:
SELECT ONEPLUS NORD 5G
SELECT ONEPLUS 8
SELECT ONEPLUS 8T
SELECT ONEPLUS 8 PRO
R YOUR CHOICE: 1
                             PRICE: 27999
FEATURES:
                                                          PRODUCT FEATURES:
                                            OnePlus Nord 5G
6.44in AMOLED 90Hz
8G8
128GB
48MP+SMP+5MP+2MP
32MP+8MP
4115 mAh
5napdragon 765G
                                                                                                                                                                                                                                                                                                             - 6 ×
C:\Users\ss\Desktop\Muneeb\Mini Project\ESIMS\esims.exe
                             PRODUCT: OnePlus Nord 5G SELECTED
ENTER 1 TO CONTINUE SELECTING OTHER PRODUCTS: 0
                             PRODUCT SELECTION HAS STOPPED
PRODUCT STOCK IS LOW
PRODUCT: OnePlus Nord 5G
QUANTITY: 6
ORDER SHIPMENTS AT EARLIEST
                             PRODUCT: OnePlus Nord 5G
ENTER PRODUCT QUANTITY: 1
                             PRODUCT ID
M001
                                                                                QUANTITY PRICE
1 27999
```

4.20 TC1001

```
PURCHASE HISTORY OF ACCOUNT: muneeb

Tue Dec 01 01:17:58 2020

PRODUCT ID
N001
QUANTITY
PRICE
N001
QUANTITY
PRICE
PRESS ANY KEY TO CONTINUE
```

4.21 TC1101

```
PRODUCT ID QUANTITY PRICE
M001 1 27999

ENTER 1 IF YOU HAVE A COUPON: 1

ENTER COUPON CODE: MH178

10% DISCOUNT APPLIED

TOTAL COST: 25199

ENTER 1 TO INITIATE PURCHASE:
```

4.22 TC1102

```
PRODUCT ID QUANTITY PRICE
M001 1 27999

ENTER 1 IF YOU HAVE A COUPON: 0

TOTAL COST: 27999

ENTER 1 TO INITIATE PURCHASE:
```

4.23 TC1201

4.24 TC1202

```
| CAUbers | CAUb
```

4.25 TC1301

```
INVENTORY MANAGEMENT SYSTEM

SOUTHWARD PRODUCTS

1 TO BUT PRODUCT FEATURES

2 TO VIEW MOCKET FEATURES

3 TO O SELECT PRODUCT

ENTER YOUR CRICICE: 3

SELECT PRODUCT

PRESS:

1 TO SELECT MOBILE BROWD

FRESS:

2 TO SELECT MOBILE BROWD

FRESS:

1 TO SELECT MOBILE BROWD

FRESS:

2 TO SELECT MOBILE BROWD

FRESS:

3 TO SELECT MOBILE BROWD

FRESS:

4 TO SELECT MOBILE BROWD

FRESS:

1 TO SELECT MOBILE BROWD

FRESS:

2 TO SELECT MOBILE BROWD

FRESS:

3 TO SELECT MOBILE BROWD

FRESS:

4 TO SELECT MOBILE BROWD

FRESS:

1 TO SELECT MOBILE BROWD

4 TO SELECT MOBILE BROWD

FRESS:

1 TO SELECT MOBILE BROWD

3 TO SELECT MOBILE BROWD

4 TO SELECT MOBILE BROWD

5 TO SELECT MOBILE BROWD

4 TO SELECT MOBILE BROWD

5 TO SELECT MOBILE
```

4.26 TC1302

OnePlus Nord 5G 6.44in AMOLED 90Hz 8GB 128GB 48MP+8MP+5MP+2MP 32MP+8MP 4115 mAh Snapdragon 765G

OnePlus 8 6.55in AMOLED 90Hz 8GB 128GB 48MP+16MP+2MP 16MP 4300 mAh Snapdragon 865

```
INVENTORY MANAGEMENT SYSTEM

CUSTOMER MEINU

PRESS:

1 TO BUY PRODUCTS

2 TO VIEW PRODUCT FEATURES

3 TO COMPARE PRODUCT FEATURES

4 TO EXIT

ENTER YOUR CHOICE: 3

SELECT PRODUCT

PRESS:

1 TO SELECT MOBILE

2 TO SELECT LAPTOP
ENTER YOUR CHOICE: 2

ENTER MUMBER OF PRODUCTS TO COMPARE: 2

SELECT LAPTOP BRAND

PRESS:
1 TO SELECT LAPTOP BRAND

PRESS:
1 TO SELECT LEDTO BRAND

PRESS:
1 TO SELECT LAPTOP BRAND

PRESS:
1 TO SELECT LEDTO BRAND

PRESS:
1 TO SELECT BLUE
3 TO SELECT BLUE
3 TO SELECT BLUE
3 TO SELECT BLUE
4 TO SELECT BLUE
5 TO SELECT BLUE
6 TO SELECT BLUE
7 TO SELECT BLUE
7
```

5 ADDITIONAL KNOWLEDGE GAINED

Developing and building this project introduced us to new libraries such as conio.h and time.h. We used conio.h to build a better user interface and time.h to record details. The vast resources required to run this project also helped us improve our file handling and we were also able to successfully implement a File Pointer array.

The project also helped us dive into the depths of the commercial world and helped us learn more about it. We learned which features are important when it comes to different types of electronics.

6 CONCLUSION AND FUTURE WORK

In conclusion, we have successfully developed a project which can be utilized by electronic stores to manage their inventory, shipments and purchases. The project also makes the store experience much more customer and even employee friendly by allowing them to view and compare features of different products so as to make better choices. The Project is flexible and can be adjusted to incorporate different sets of products and prices.

The Project has opened up the possibilities for a much bigger and more comprehensive project for us. In the future, we can rebuild this project using databases and a graphical user interface to give a better feel to the user and make inventory management much easier. The Project also has scope to be connected to proper payment methods.

7 REFERENCES

- 1. http://geeksforgeeks.com/
- 2. https://stackoverflow.com/
- 3. https://www.gsmarena.com/
- 4. https://www.amazon.in/

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Hyderabad-500 031

Department of Information Technology



DECLARATION BY THE CANDIDATE

We, SYED MUNEEBULLAH HUSSAINI and PRASUN REDDY bearing hall ticket numbers, 1602-19-737-178 and 1602-19-737-147, hereby declare that the project report entitled "ELECTRONIC STORE INVENTORY MANAGEMENT SYSTEM" is submitted in partial fulfilment of the requirement for the award of the degree of Bachelor of Engineering in Information Technology.

This is a record of bonafide work carried out by us and the results embodied in this project report have not been submitted to any other university or institute for the award of any other degree or diploma.

SYED MUNEEBULLAH HUSSAINI

1602-19-737-178

PRASUN REDDY

1602-19-737-147

(Faculty In-Charge)

(Head.Dept IT)