Admin Functionality

C Code

```c
#include <stdio.h>

#include <string.h>


struct Product {

    int id;

    char

name[50];

float price;    int

stock;

};


void insertProduct(struct Product *product) {

printf("Enter Product ID: ");    scanf("%d",

&product->id);    printf("Enter Product

Name: ");    scanf("%s", product->name);

printf("Enter Product Price: ");

scanf("%f", &product->price);

printf("Enter Product Stock: ");

scanf("%d", &product->stock);

}


void displayProduct(struct Product product) {
printf("Product ID: %d\n", product.id);
```

```c
    printf("Product Name: %s\n", product.name);

printf("Product Price: %.2f\n", product.price);

printf("Product Stock: %d\n", product.stock);

}


int main() {    struct Product product;

insertProduct(&product);

printf("Product added successfully!\n");

displayProduct(product);    return 0;

}
```

PHP Code (Product Insertion):

```php
<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "shop";


// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);


// Check connection if

($conn->connect_error) {
```

```php
  die("Connection failed: " . $conn->connect_error); }


if ($_SERVER["REQUEST_METHOD"] == "POST") {

  $name = $_POST['name'];

  $price = $_POST['price'];

  $stock = $_POST['stock'];


  $sql = "INSERT INTO products (name, price, stock) VALUES ('$name', '$price',
'$stock')";


  if ($conn->query($sql) === TRUE) {
echo "New product added successfully";

  } else {      echo "Error: " . $sql . "<br>" .

$conn->error;

  }

}

$conn->close();

?>


<form method="post" action="">
  Product Name: <input type="text" name="name"><br>

  Product Price: <input type="text" name="price"><br>

  Product Stock: <input type="text" name="stock"><br>

  <input type="submit" value="Add Product">

</form>
```

Product Deletion (Admin Functionality)

C Code

```c
#include <stdio.h>


struct Product {

    int id;

    char

name[50];

float price;    int

stock;

};


void deleteProduct(struct Product *product) {

product->id = 0;    strcpy(product->name,

"");    product->price = 0;    product->stock

= 0;    printf("Product deleted

successfully!\n");

}


int main() {    struct Product product = {1, "Eco Bag", 20.5, 100};  //
Sample product


    printf("Before deletion:\n");

    printf("Product ID: %d, Name: %s, Price: %.2f, Stock: %d\n", product.id, product.name,
product.price, product.stock);
```

```
    deleteProduct(&product);
```

```
    printf("After deletion:\n");
```

```
    printf("Product ID: %d, Name: %s, Price: %.2f, Stock: %d\n", product.id, product.name, product.price, product.stock);     return 0;
```

```
}
```

PHP Code (Product Deletion):

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "shop";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $id = $_POST['id'];
```

```php
    $sql = "DELETE FROM products WHERE id = $id";


    if ($conn->query($sql) === TRUE) {
echo "Product deleted successfully";
    } else {      echo "Error: " . $sql . "<br>" .
$conn->error;
    }
}
$conn->close();
?>


<form method="post" action="">
  Product ID to Delete: <input type="text" name="id"><br>
  <input type="submit" value="Delete Product">
</form>
```

Customer Login

C Code

```c
#include <stdio.h>

#include <string.h>


void login() {    char username[50],
password[50];    char correctUsername[] =
"customer";    char correctPassword[] =
"password123";


    printf("Enter username: ");
scanf("%s", username);    printf("Enter
password: ");    scanf("%s",
password);


    if (strcmp(username, correctUsername) == 0 && strcmp(password, correctPassword) ==
0) {        printf("Login
successful!\n");
    } else {
        printf("Invalid username or password.\n");
    }
}


int main() {

    login();
return 0;

}
```

PHP Code (Customer Login):

```php
<?php
$correct_username = "customer";
$correct_password = "password123";


if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = $_POST['username'];
    $password = $_POST['password'];


    if ($username == $correct_username && $password == $correct_password) {
        echo "Login successful!";
    } else {
        echo "Invalid username or password.";
    }
}
?>


<form method="post" action="">
 Username: <input type="text" name="username"><br>
 Password: <input type="password" name="password"><br>
 <input type="submit" value="Login">
</form>
```

Order Placement and Payment (Customer Functionality)

C Code

```c
#include <stdio.h>


void placeOrder() {
   int quantity;    float
price = 15.0, total;


   printf("Enter quantity: ");
scanf("%d", &quantity);


   total = price * quantity;
printf("Total amount: $%.2f\n", total);
printf("Order placed successfully!\n");
}


int main() {
placeOrder();
return 0;
}
```

PHP Code (Order Placement):

```php
<?php if ($_SERVER["REQUEST_METHOD"] ==
"POST") {
   $quantity = $_POST['quantity'];
   $price = 15.0;
   $total = $price * $quantity;
```

```php
    echo "Total amount: $" . $total . "<br>";
echo "Order placed successfully!";
}
?>
```

```html
<form method="post" action="">
  Quantity: <input type="text" name="quantity"><br>
  <input type="submit" value="Place Order">
</form>
```