**SCHEMA FOR DB PROJECT  
  
WORKSPACE NAME:“LABPROJECT”**

**PASSWARD:“123”**

CREATE TABLE "ADMIN"

( "USERNAME" VARCHAR2(100) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(100) NOT NULL ENABLE

) ;

CREATE TABLE "CART"

( "CARTID" NUMBER(\*,0),

"PRODUCTID" NUMBER(\*,0),

"PRODUCTNAME" VARCHAR2(255),

"PRICE" NUMBER(10,2),

"QUANTITY" NUMBER(\*,0),

"USERID" NUMBER(\*,0),

PRIMARY KEY ("CARTID") ENABLE

) ;

CREATE TABLE "CASHIER"

( "USERID" NUMBER(\*,0),

"USERNAME" VARCHAR2(100) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(100) NOT NULL ENABLE,

PRIMARY KEY ("USERID") ENABLE

) ;

CREATE TABLE "CUSTOMER"

( "USERID" NUMBER(\*,0),

"USERNAME" VARCHAR2(100) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(100) NOT NULL ENABLE,

PRIMARY KEY ("USERID") ENABLE

) ;

CREATE TABLE "DELIVERY\_PERSONNEL"

( "USERID" NUMBER(\*,0),

"USERNAME" VARCHAR2(50) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(50) NOT NULL ENABLE,

PRIMARY KEY ("USERID") ENABLE

) ;

CREATE TABLE "DELIVERYPERSONNEL"

( "USERID" NUMBER(\*,0),

"USERNAME" VARCHAR2(100) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(100) NOT NULL ENABLE,

PRIMARY KEY ("USERID") ENABLE

) ;

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

CREATE TABLE "DEPT"

( "DEPTNO" NUMBER(2,0),

"DNAME" VARCHAR2(14),

"LOC" VARCHAR2(13),

PRIMARY KEY ("DEPTNO") ENABLE

) ;

CREATE TABLE "EMP"

( "EMPNO" NUMBER(4,0) NOT NULL ENABLE,

"ENAME" VARCHAR2(10),

"JOB" VARCHAR2(9),

"MGR" NUMBER(4,0),

"HIREDATE" DATE,

"SAL" NUMBER(7,2),

"COMM" NUMBER(7,2),

"DEPTNO" NUMBER(2,0),

PRIMARY KEY ("EMPNO") ENABLE

) ;ALTER TABLE "EMP" ADD FOREIGN KEY ("MGR")

REFERENCES "EMP" ("EMPNO") ENABLE;ALTER TABLE "EMP" ADD FOREIGN KEY ("DEPTNO")

REFERENCES "DEPT" ("DEPTNO") ENABLE;

CREATE TABLE "INVENTORYSTAFF"

( "USERID" NUMBER(\*,0),

"USERNAME" VARCHAR2(100) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(100) NOT NULL ENABLE,

PRIMARY KEY ("USERID") ENABLE

) ;

CREATE TABLE "INVENTORY\_STAFF"

( "USERID" NUMBER(\*,0),

"USERNAME" VARCHAR2(50) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(50) NOT NULL ENABLE,

PRIMARY KEY ("USERID") ENABLE

) ;

CREATE TABLE "MANAGER"

( "USERID" NUMBER(\*,0),

"USERNAME" VARCHAR2(100) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(100) NOT NULL ENABLE,

PRIMARY KEY ("USERID") ENABLE

) ;

CREATE TABLE "PRODUCT"

( "PRODUCTID" NUMBER(\*,0),

"PRODUCTNAME" VARCHAR2(255) NOT NULL ENABLE,

"PRICE" NUMBER(10,2) NOT NULL ENABLE,

"CATID" NUMBER(\*,0) NOT NULL ENABLE,

"QUANTITY" NUMBER(\*,0) DEFAULT 10,

PRIMARY KEY ("PRODUCTID") ENABLE

) ;

CREATE TABLE "PRODUCTCATEGORY"

( "CATID" NUMBER(\*,0),

"CATEGORYNAME" VARCHAR2(255),

PRIMARY KEY ("CATID") ENABLE

) ;

//-----------------------------------------------------------------

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (1, 'ELECTRONICS');

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (2, 'FASHION');

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (3, 'CARE\_BEAUTY');

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (4, 'CLOTHS');

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (5, 'BABY\_TOYS');

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (6, 'BEAUTY\_ACCESSORIES');

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (7, 'SPORTS\_OUTDOORS');

INSERT INTO PRODUCTCATEGORY (CATID, CATEGORYNAME) VALUES (8, 'HEALTH')  
  
  
  
**//------------------------------------- electronics ------------------------------**

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(1, 'HAIER INVERTOR AC', 182900, 1, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(2, 'WASHING MACHINE', 89000, 1, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(3, 'HAIER REFRIGERATOR', 129000, 1, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(4, 'HAIER SMART TV', 126899, 1, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(5, 'WATER HEATER', 89000, 1, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(6, 'WIFI ADAPTER', 19999, 1, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(7, 'A9 PRO AIRPOD', 4499, 1, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(8, 'TRIPOD STAND', 2999, 1, 10);

COMMIT;

**///----------------------------- fashion ------------------------------------**

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(9, 'TRACK SUIT', 2499, 2, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(10, 'FULL SLEAVES TSHIRT', 1999, 2, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(11, 'SPORTS SHEOS', 4999, 2, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(12, 'SHAWL FOR MEN', 2999, 2, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(13, 'NECK SWEATER', 9000, 2, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(14, 'BAGS FOR LADIES', 1999, 2, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(15, 'FASHION CAP', 999, 2, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(16, 'Fashionable GLASSES', 2999, 2, 10);

**//------------------------- health and beauty --------------------------------------**

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(17, 'DIGITAL BP MONITOR', 6599, 3, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(18, 'DIGITAL THERMOMETER', 1999, 3, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(19, 'WEIGHTING SCALE', 6999, 3, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(20, 'K95 PROTECTION MASK', 999, 3, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(21, 'MAKEUP BRUSH SET', 1000, 3, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(22, 'TEETH CLEANING KIT', 1999, 3, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(23, 'FACE WASH', 1500, 3, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(24, 'SHAVING MACHINE', 2599, 3, 10);  
  
**//----------------------------------------- Baby toy ------------------**

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(25, 'BABY WINTER CLOTH', 6599, 4, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(26, 'BABY FEEDING BOTTLE', 1999, 4, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(27, 'BABY STROLLER', 6999, 4, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(28, 'UNIVERSAL PRAM', 17999, 4, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(29, 'MORNING MILK', 2999, 4, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(30, 'NESTLE NIDO', 1999, 4, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(31, 'BUBBLE MACHINE', 1499, 4, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(32, 'EDUCATION TOY', 2999, 4, 10);  
**//-------------------------------------------- OUTDOOR PRODUCT -------------------------**

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(33, 'FOOTBALL SHIN PAD', 1999, 5, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(34, 'HANDGRIP TRAINER', 1499, 5, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(35, 'BADMINSTON SET', 6999, 5, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(36, 'FITNESS TRACKER', 10999, 5, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(37, 'CAMPING HEADLAMP', 1999, 5, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(38, 'WEIGHT GAINER', 1099, 5, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(39, 'ELBOW SLEEVES', 1799, 5, 10);

INSERT INTO PRODUCT (PRODUCTID, PRODUCTNAME, PRICE, CATID, QUANTITY) VALUES

(40, 'BASEBALL NET CAP', 1199, 5, 10);

**//==================================== ELECTRONICS “ADD TO CART“ CODE ==================**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Data.SqlClient;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using Oracle.ManagedDataAccess.Client;

namespace DB\_LAB\_PROJECT

{

public partial class Electronics : Form

{

/\*int loggedInUserID = GlobalVariables.LoggedInUserID;\*/

private int currentUserId= GlobalVariables.LoggedInUserID; // Set this to the logged-in user's ID

private int[] ProductId = { 1, 2, 3, 4, 5, 6, 7, 8 };

// Database connection string

private string connectionString = @"DATA SOURCE = //localhost:1521/XE; USER ID=LABPROJECT; PASSWORD=123";

public Electronics()

{

InitializeComponent();

}

private void Electronics\_Load(object sender, EventArgs e)

{

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

private void label9\_Click(object sender, EventArgs e)

{

}

private void label15\_Click(object sender, EventArgs e)

{

}

private void label14\_Click(object sender, EventArgs e)

{

}

private void label13\_Click(object sender, EventArgs e)

{

}

private void button3\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click(object sender, EventArgs e)

{

AddProductToCart(ProductId[0]); // Product ID 1

}

private void button2\_Click(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button11\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button1\_Click(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button12\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button4\_Click(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button13\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button7\_Click(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button14\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button8\_Click(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button15\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button6\_Click(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button16\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button5\_Click(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button17\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button9\_Click(object sender, EventArgs e) // for back

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

private void label2\_Click(object sender, EventArgs e)

{

}

private void button11\_Click\_1(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void label2\_Click\_1(object sender, EventArgs e)

{

}

private void label10\_Click(object sender, EventArgs e)

{

}

private void button2\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[1]); // Product ID 2

}

//======================================================================

private void AddProductToCart(int productId)

{

using (OracleConnection connection = new OracleConnection(connectionString))

{

connection.Open();

// Query to get product details

string productQuery = "SELECT PRODUCTNAME, PRICE FROM PRODUCT WHERE PRODUCTID = :ProductId";

using (OracleCommand productCommand = new OracleCommand(productQuery, connection))

{

productCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

using (OracleDataReader reader = productCommand.ExecuteReader())

{

if (reader.Read())

{

string productName = reader["PRODUCTNAME"].ToString();

decimal price = reader.GetDecimal(reader.GetOrdinal("PRICE"));

// Check if the product already exists in the cart for the current user

string checkCartQuery = @"

SELECT CARTID, QUANTITY, PRICE

FROM CART

WHERE PRODUCTID = :ProductId AND USERID = :UserId";

using (OracleCommand checkCartCommand = new OracleCommand(checkCartQuery, connection))

{

checkCartCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

checkCartCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

using (OracleDataReader cartReader = checkCartCommand.ExecuteReader())

{

if (cartReader.Read())

{

// Product exists in the cart, update quantity and price

int existingQuantity = cartReader.GetInt32(cartReader.GetOrdinal("QUANTITY"));

decimal existingPrice = cartReader.GetDecimal(cartReader.GetOrdinal("PRICE"));

decimal newTotalPrice = existingPrice + (existingPrice / existingQuantity); // Increment price based on quantity

// Update the cart with new quantity and price

string updateQuery = @"

UPDATE CART

SET QUANTITY = :NewQuantity, PRICE = :NewTotalPrice

WHERE CARTID = :CartId";

using (OracleCommand updateCommand = new OracleCommand(updateQuery, connection))

{

updateCommand.Parameters.Add(new OracleParameter(":NewQuantity", existingQuantity + 1)); // Increment quantity by 1

updateCommand.Parameters.Add(new OracleParameter(":NewTotalPrice", newTotalPrice));

updateCommand.Parameters.Add(new OracleParameter(":CartId", cartReader.GetInt32(cartReader.GetOrdinal("CARTID"))));

updateCommand.ExecuteNonQuery();

}

MessageBox.Show("Product quantity updated in cart.");

}

else

{

// Product does not exist in the cart, insert new record

string insertQuery = @"

INSERT INTO CART (CARTID, PRODUCTID, PRODUCTNAME, PRICE, QUANTITY, USERID)

VALUES ((SELECT NVL(MAX(CARTID), 0) + 1 FROM CART), :ProductId, :ProductName, :Price, :Quantity, :UserId)";

using (OracleCommand insertCommand = new OracleCommand(insertQuery, connection))

{

insertCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

insertCommand.Parameters.Add(new OracleParameter(":ProductName", productName));

insertCommand.Parameters.Add(new OracleParameter(":Price", price));

insertCommand.Parameters.Add(new OracleParameter(":Quantity", 1)); // Start with quantity 1

insertCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

insertCommand.ExecuteNonQuery();

}

MessageBox.Show("Product added to cart successfully.");

}

}

}

}

else

{

MessageBox.Show("Product not found.");

}

}

}

}

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

//======================================================================

private void label7\_Click(object sender, EventArgs e)

{

}

private void button12\_Click\_1(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button13\_Click\_1(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button14\_Click\_1(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button15\_Click\_1(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button16\_Click\_1(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button17\_Click\_1(object sender, EventArgs e)

{

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button1\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[2]); // Product ID 3

}

private void button4\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[3]); // Product ID 4

}

private void button7\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[4]); // Product ID 5

}

private void button8\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[5]); // Product ID 6

}

private void button6\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[6]); // Product ID 7

}

private void button5\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[7]); // Product ID 8

}

}

}

**//-------------------- Fashion Code ---------------------------------------**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

//--------------------------

using System.Data.SqlClient;

using Oracle.ManagedDataAccess.Client;

//----------------------------

namespace DB\_LAB\_PROJECT

{

public partial class Fashion : Form

{

//-----------------------------

/\*int loggedInUserID = GlobalVariables.LoggedInUserID;\*/

private int currentUserId = GlobalVariables.LoggedInUserID; // Set this to the logged-in user's ID

private int[] ProductId = { 9, 10, 11, 12,13, 14, 15, 16 };

// Database connection string

private string connectionString = @"DATA SOURCE = //localhost:1521/XE; USER ID=LABPROJECT; PASSWORD=123";

//-----------------------------

public Fashion()

{

InitializeComponent();

}

private void Fashion\_Load(object sender, EventArgs e)

{

}

private void button9\_Click(object sender, EventArgs e)//back

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void label2\_Click(object sender, EventArgs e)

{

}

private void button3\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button2\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button1\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button4\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button7\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button5\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button11\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button12\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button13\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button14\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button15\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button16\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button17\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

//-------------------------------------------------------

private void AddProductToCart(int productId)

{

using (OracleConnection connection = new OracleConnection(connectionString))

{

connection.Open();

// Query to get product details

string productQuery = "SELECT PRODUCTNAME, PRICE FROM PRODUCT WHERE PRODUCTID = :ProductId";

using (OracleCommand productCommand = new OracleCommand(productQuery, connection))

{

productCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

using (OracleDataReader reader = productCommand.ExecuteReader())

{

if (reader.Read())

{

string productName = reader["PRODUCTNAME"].ToString();

decimal price = reader.GetDecimal(reader.GetOrdinal("PRICE"));

// Check if the product already exists in the cart for the current user

string checkCartQuery = @"

SELECT CARTID, QUANTITY, PRICE

FROM CART

WHERE PRODUCTID = :ProductId AND USERID = :UserId";

using (OracleCommand checkCartCommand = new OracleCommand(checkCartQuery, connection))

{

checkCartCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

checkCartCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

using (OracleDataReader cartReader = checkCartCommand.ExecuteReader())

{

if (cartReader.Read())

{

// Product exists in the cart, update quantity and price

int existingQuantity = cartReader.GetInt32(cartReader.GetOrdinal("QUANTITY"));

decimal existingPrice = cartReader.GetDecimal(cartReader.GetOrdinal("PRICE"));

decimal newTotalPrice = existingPrice + (existingPrice / existingQuantity); // Increment price based on quantity

// Update the cart with new quantity and price

string updateQuery = @"

UPDATE CART

SET QUANTITY = :NewQuantity, PRICE = :NewTotalPrice

WHERE CARTID = :CartId";

using (OracleCommand updateCommand = new OracleCommand(updateQuery, connection))

{

updateCommand.Parameters.Add(new OracleParameter(":NewQuantity", existingQuantity + 1)); // Increment quantity by 1

updateCommand.Parameters.Add(new OracleParameter(":NewTotalPrice", newTotalPrice));

updateCommand.Parameters.Add(new OracleParameter(":CartId", cartReader.GetInt32(cartReader.GetOrdinal("CARTID"))));

updateCommand.ExecuteNonQuery();

}

MessageBox.Show("Product quantity updated in cart.");

}

else

{

// Product does not exist in the cart, insert new record

string insertQuery = @"

INSERT INTO CART (CARTID, PRODUCTID, PRODUCTNAME, PRICE, QUANTITY, USERID)

VALUES ((SELECT NVL(MAX(CARTID), 0) + 1 FROM CART), :ProductId, :ProductName, :Price, :Quantity, :UserId)";

using (OracleCommand insertCommand = new OracleCommand(insertQuery, connection))

{

insertCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

insertCommand.Parameters.Add(new OracleParameter(":ProductName", productName));

insertCommand.Parameters.Add(new OracleParameter(":Price", price));

insertCommand.Parameters.Add(new OracleParameter(":Quantity", 1)); // Start with quantity 1

insertCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

insertCommand.ExecuteNonQuery();

}

MessageBox.Show("Product added to cart successfully.");

}

}

}

}

else

{

MessageBox.Show("Product not found.");

}

}

}

}

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

//------------------------------------------------------

private void label13\_Click(object sender, EventArgs e)

{

}

private void label14\_Click(object sender, EventArgs e)

{

}

private void label15\_Click(object sender, EventArgs e)

{

}

private void label16\_Click(object sender, EventArgs e)

{

}

private void label12\_Click(object sender, EventArgs e)

{

}

private void label11\_Click(object sender, EventArgs e)

{

}

private void label10\_Click(object sender, EventArgs e)

{

}

private void label9\_Click(object sender, EventArgs e)

{

}

private void label5\_Click(object sender, EventArgs e)

{

}

private void label6\_Click(object sender, EventArgs e)

{

}

private void label7\_Click(object sender, EventArgs e)

{

}

private void label8\_Click(object sender, EventArgs e)

{

}

private void label4\_Click(object sender, EventArgs e)

{

}

private void label3\_Click(object sender, EventArgs e)

{

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void pictureBox5\_Click(object sender, EventArgs e)

{

}

private void pictureBox6\_Click(object sender, EventArgs e)

{

}

private void pictureBox7\_Click(object sender, EventArgs e)

{

}

private void pictureBox8\_Click(object sender, EventArgs e)

{

}

private void pictureBox4\_Click(object sender, EventArgs e)

{

}

private void pictureBox2\_Click(object sender, EventArgs e)

{

}

private void pictureBox3\_Click(object sender, EventArgs e)

{

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

private void label17\_Click(object sender, EventArgs e)

{

}

private void label10\_Click\_1(object sender, EventArgs e)

{

}

private void label6\_Click\_1(object sender, EventArgs e)

{

}

private void button18\_Click(object sender, EventArgs e)

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void button3\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button11\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button12\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button13\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button16\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button14\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[0]); // Product ID 8

}

private void button2\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[1]); // Product ID 9

}

private void button1\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[2]); // Product ID 10

}

private void button4\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[3]); // Product ID 11

}

private void button15\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[4]); // Product ID 12

}

private void button9\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[5]); // Product ID 13

}

private void button7\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[6]); // Product ID 14

}

private void button5\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[7]); // Product ID 15

}

}

}

**//---------------------------------- health and beauty ----------------------------------**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

using Oracle.ManagedDataAccess.Client;

namespace DB\_LAB\_PROJECT

{

public partial class HealthBeauty : Form

{

/\*int loggedInUserID = GlobalVariables.LoggedInUserID;\*/

private int currentUserId = GlobalVariables.LoggedInUserID; // Set this to the logged-in user's ID

private int[] ProductId = { 17, 18, 19, 20, 21, 22, 23, 24 };

// Database connection string

private string connectionString = @"DATA SOURCE = //localhost:1521/XE; USER ID=LABPROJECT; PASSWORD=123";

public HealthBeauty()

{

InitializeComponent();

}

private void HealthBeauty\_Load(object sender, EventArgs e)

{

}

private void label11\_Click(object sender, EventArgs e)

{

}

private void button9\_Click(object sender, EventArgs e)

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void button3\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button2\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button1\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button4\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button7\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button5\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button11\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button12\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button13\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button14\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button15\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button16\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button17\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button18\_Click(object sender, EventArgs e)

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void button12\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

//Add To Cart Function

private void AddProductToCart(int productId)

{

using (OracleConnection connection = new OracleConnection(connectionString))

{

connection.Open();

// Query to get product details

string productQuery = "SELECT PRODUCTNAME, PRICE FROM PRODUCT WHERE PRODUCTID = :ProductId";

using (OracleCommand productCommand = new OracleCommand(productQuery, connection))

{

productCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

using (OracleDataReader reader = productCommand.ExecuteReader())

{

if (reader.Read())

{

string productName = reader["PRODUCTNAME"].ToString();

decimal price = reader.GetDecimal(reader.GetOrdinal("PRICE"));

// Check if the product already exists in the cart for the current user

string checkCartQuery = @"

SELECT CARTID, QUANTITY, PRICE

FROM CART

WHERE PRODUCTID = :ProductId AND USERID = :UserId";

using (OracleCommand checkCartCommand = new OracleCommand(checkCartQuery, connection))

{

checkCartCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

checkCartCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

using (OracleDataReader cartReader = checkCartCommand.ExecuteReader())

{

if (cartReader.Read())

{

// Product exists in the cart, update quantity and price

int existingQuantity = cartReader.GetInt32(cartReader.GetOrdinal("QUANTITY"));

decimal existingPrice = cartReader.GetDecimal(cartReader.GetOrdinal("PRICE"));

decimal newTotalPrice = existingPrice + (existingPrice / existingQuantity); // Increment price based on quantity

// Update the cart with new quantity and price

string updateQuery = @"

UPDATE CART

SET QUANTITY = :NewQuantity, PRICE = :NewTotalPrice

WHERE CARTID = :CartId";

using (OracleCommand updateCommand = new OracleCommand(updateQuery, connection))

{

updateCommand.Parameters.Add(new OracleParameter(":NewQuantity", existingQuantity + 1)); // Increment quantity by 1

updateCommand.Parameters.Add(new OracleParameter(":NewTotalPrice", newTotalPrice));

updateCommand.Parameters.Add(new OracleParameter(":CartId", cartReader.GetInt32(cartReader.GetOrdinal("CARTID"))));

updateCommand.ExecuteNonQuery();

}

MessageBox.Show("Product quantity updated in cart.");

}

else

{

// Product does not exist in the cart, insert new record

string insertQuery = @"

INSERT INTO CART (CARTID, PRODUCTID, PRODUCTNAME, PRICE, QUANTITY, USERID)

VALUES ((SELECT NVL(MAX(CARTID), 0) + 1 FROM CART), :ProductId, :ProductName, :Price, :Quantity, :UserId)";

using (OracleCommand insertCommand = new OracleCommand(insertQuery, connection))

{

insertCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

insertCommand.Parameters.Add(new OracleParameter(":ProductName", productName));

insertCommand.Parameters.Add(new OracleParameter(":Price", price));

insertCommand.Parameters.Add(new OracleParameter(":Quantity", 1)); // Start with quantity 1

insertCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

insertCommand.ExecuteNonQuery();

}

MessageBox.Show("Product added to cart successfully.");

}

}

}

}

else

{

MessageBox.Show("Product not found.");

}

}

}

}

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

//------------------------------------------------------

private void button10\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button4\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button2\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button16\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button14\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button11\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[0]); // Product ID 17

}

private void button9\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[1]); // Product ID 18

}

private void button3\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[2]); // Product ID 19

}

private void button1\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[3]); // Product ID 20

}

private void button15\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[4]); // Product ID 21

}

private void button13\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[5]); // Product ID 22

}

private void button7\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[6]); // Product ID 23

}

private void button5\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[7]); // Product ID 24

}

}

}  
**//----------------------------------------------- BABY KIDS AND TOYS ----------------------------------------**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

using Oracle.ManagedDataAccess.Client;

namespace DB\_LAB\_PROJECT

{

public partial class BabyKidsToys : Form

{

/\*int loggedInUserID = GlobalVariables.LoggedInUserID;\*/

private int currentUserId = GlobalVariables.LoggedInUserID; // Set this to the logged-in user's ID

private int[] ProductId = { 25, 26, 27, 28, 29, 30, 31, 32 };

// Database connection string

private string connectionString = @"DATA SOURCE = //localhost:1521/XE; USER ID=LABPROJECT; PASSWORD=123";

public BabyKidsToys()

{

InitializeComponent();

}

private void BabyKidsToys\_Load(object sender, EventArgs e)

{

}

private void button9\_Click(object sender, EventArgs e)

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void button3\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button2\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button1\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button4\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button7\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button5\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button11\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button12\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button13\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button14\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button15\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button16\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button17\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

//Add To Cart Function

private void AddProductToCart(int productId)

{

using (OracleConnection connection = new OracleConnection(connectionString))

{

connection.Open();

// Query to get product details

string productQuery = "SELECT PRODUCTNAME, PRICE FROM PRODUCT WHERE PRODUCTID = :ProductId";

using (OracleCommand productCommand = new OracleCommand(productQuery, connection))

{

productCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

using (OracleDataReader reader = productCommand.ExecuteReader())

{

if (reader.Read())

{

string productName = reader["PRODUCTNAME"].ToString();

decimal price = reader.GetDecimal(reader.GetOrdinal("PRICE"));

// Check if the product already exists in the cart for the current user

string checkCartQuery = @"

SELECT CARTID, QUANTITY, PRICE

FROM CART

WHERE PRODUCTID = :ProductId AND USERID = :UserId";

using (OracleCommand checkCartCommand = new OracleCommand(checkCartQuery, connection))

{

checkCartCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

checkCartCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

using (OracleDataReader cartReader = checkCartCommand.ExecuteReader())

{

if (cartReader.Read())

{

// Product exists in the cart, update quantity and price

int existingQuantity = cartReader.GetInt32(cartReader.GetOrdinal("QUANTITY"));

decimal existingPrice = cartReader.GetDecimal(cartReader.GetOrdinal("PRICE"));

decimal newTotalPrice = existingPrice + (existingPrice / existingQuantity); // Increment price based on quantity

// Update the cart with new quantity and price

string updateQuery = @"

UPDATE CART

SET QUANTITY = :NewQuantity, PRICE = :NewTotalPrice

WHERE CARTID = :CartId";

using (OracleCommand updateCommand = new OracleCommand(updateQuery, connection))

{

updateCommand.Parameters.Add(new OracleParameter(":NewQuantity", existingQuantity + 1)); // Increment quantity by 1

updateCommand.Parameters.Add(new OracleParameter(":NewTotalPrice", newTotalPrice));

updateCommand.Parameters.Add(new OracleParameter(":CartId", cartReader.GetInt32(cartReader.GetOrdinal("CARTID"))));

updateCommand.ExecuteNonQuery();

}

MessageBox.Show("Product quantity updated in cart.");

}

else

{

// Product does not exist in the cart, insert new record

string insertQuery = @"

INSERT INTO CART (CARTID, PRODUCTID, PRODUCTNAME, PRICE, QUANTITY, USERID)

VALUES ((SELECT NVL(MAX(CARTID), 0) + 1 FROM CART), :ProductId, :ProductName, :Price, :Quantity, :UserId)";

using (OracleCommand insertCommand = new OracleCommand(insertQuery, connection))

{

insertCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

insertCommand.Parameters.Add(new OracleParameter(":ProductName", productName));

insertCommand.Parameters.Add(new OracleParameter(":Price", price));

insertCommand.Parameters.Add(new OracleParameter(":Quantity", 1)); // Start with quantity 1

insertCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

insertCommand.ExecuteNonQuery();

}

MessageBox.Show("Product added to cart successfully.");

}

}

}

}

else

{

MessageBox.Show("Product not found.");

}

}

}

}

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button18\_Click(object sender, EventArgs e)

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void button3\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button11\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button12\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button13\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button16\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button14\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[0]); // Product ID 25

}

private void button2\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[1]); // Product ID 26

}

private void button1\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[2]); // Product ID 27

}

private void button4\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[3]); // Product ID 28

}

private void button15\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[4]); // Product ID 29

}

private void button9\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[5]); // Product ID 30

}

private void button7\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[6]); // Product ID 31

}

private void button5\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[7]); // Product ID 32

}

}

}

**//---------------------------------------------- SPORTS AND OUTDOOR ---------**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

using Oracle.ManagedDataAccess.Client;

namespace DB\_LAB\_PROJECT

{

public partial class SportsOutdoors : Form

{

/\*int loggedInUserID = GlobalVariables.LoggedInUserID;\*/

private int currentUserId = GlobalVariables.LoggedInUserID; // Set this to the logged-in user's ID

private int[] ProductId = { 33, 34, 35, 36, 37, 38, 39, 40 };

// Database connection string

private string connectionString = @"DATA SOURCE = //localhost:1521/XE; USER ID=LABPROJECT; PASSWORD=123";

public SportsOutdoors()

{

InitializeComponent();

}

private void button9\_Click(object sender, EventArgs e)

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

private void button3\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button2\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button1\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button4\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button7\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button5\_Click(object sender, EventArgs e)

{

// Navigate to Checkout Form

Checkout checkoutForm = new Checkout();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button11\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button12\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button13\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button14\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button15\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button16\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button17\_Click(object sender, EventArgs e)

{

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button18\_Click(object sender, EventArgs e)

{

// Navigate back to ProductBrowsing Form

ProductBrowsing productBrowsingForm = new ProductBrowsing();

this.Hide(); // Hide the current form

productBrowsingForm.Show(); // Show the Product Browsing Form

}

//Add to cart

private void AddProductToCart(int productId)

{

using (OracleConnection connection = new OracleConnection(connectionString))

{

connection.Open();

// Query to get product details

string productQuery = "SELECT PRODUCTNAME, PRICE FROM PRODUCT WHERE PRODUCTID = :ProductId";

using (OracleCommand productCommand = new OracleCommand(productQuery, connection))

{

productCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

using (OracleDataReader reader = productCommand.ExecuteReader())

{

if (reader.Read())

{

string productName = reader["PRODUCTNAME"].ToString();

decimal price = reader.GetDecimal(reader.GetOrdinal("PRICE"));

// Check if the product already exists in the cart for the current user

string checkCartQuery = @"

SELECT CARTID, QUANTITY, PRICE

FROM CART

WHERE PRODUCTID = :ProductId AND USERID = :UserId";

using (OracleCommand checkCartCommand = new OracleCommand(checkCartQuery, connection))

{

checkCartCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

checkCartCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

using (OracleDataReader cartReader = checkCartCommand.ExecuteReader())

{

if (cartReader.Read())

{

// Product exists in the cart, update quantity and price

int existingQuantity = cartReader.GetInt32(cartReader.GetOrdinal("QUANTITY"));

decimal existingPrice = cartReader.GetDecimal(cartReader.GetOrdinal("PRICE"));

decimal newTotalPrice = existingPrice + (existingPrice / existingQuantity); // Increment price based on quantity

// Update the cart with new quantity and price

string updateQuery = @"

UPDATE CART

SET QUANTITY = :NewQuantity, PRICE = :NewTotalPrice

WHERE CARTID = :CartId";

using (OracleCommand updateCommand = new OracleCommand(updateQuery, connection))

{

updateCommand.Parameters.Add(new OracleParameter(":NewQuantity", existingQuantity + 1)); // Increment quantity by 1

updateCommand.Parameters.Add(new OracleParameter(":NewTotalPrice", newTotalPrice));

updateCommand.Parameters.Add(new OracleParameter(":CartId", cartReader.GetInt32(cartReader.GetOrdinal("CARTID"))));

updateCommand.ExecuteNonQuery();

}

MessageBox.Show("Product quantity updated in cart.");

}

else

{

// Product does not exist in the cart, insert new record

string insertQuery = @"

INSERT INTO CART (CARTID, PRODUCTID, PRODUCTNAME, PRICE, QUANTITY, USERID)

VALUES ((SELECT NVL(MAX(CARTID), 0) + 1 FROM CART), :ProductId, :ProductName, :Price, :Quantity, :UserId)";

using (OracleCommand insertCommand = new OracleCommand(insertQuery, connection))

{

insertCommand.Parameters.Add(new OracleParameter(":ProductId", productId));

insertCommand.Parameters.Add(new OracleParameter(":ProductName", productName));

insertCommand.Parameters.Add(new OracleParameter(":Price", price));

insertCommand.Parameters.Add(new OracleParameter(":Quantity", 1)); // Start with quantity 1

insertCommand.Parameters.Add(new OracleParameter(":UserId", currentUserId));

insertCommand.ExecuteNonQuery();

}

MessageBox.Show("Product added to cart successfully.");

}

}

}

}

else

{

MessageBox.Show("Product not found.");

}

}

}

}

// Navigate to Cart Management Form

CartManagement cartManagementForm = new CartManagement();

this.Hide(); // Hide the current form

cartManagementForm.Show(); // Show the Cart Management Form

}

private void button3\_Click\_1(object sender, EventArgs e)

{

}

private void button11\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button12\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button13\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button16\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button14\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button8\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button6\_Click\_1(object sender, EventArgs e)

{

// Navigate to Checkout Form

Form8 checkoutForm = new Form8();

this.Hide(); // Hide the current form

checkoutForm.Show(); // Show the Checkout Form

}

private void button10\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[0]); // Product ID 33

}

private void button2\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[1]); // Product ID 34

}

private void button1\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[2]); // Product ID 35

}

private void button4\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[3]); // Product ID 36

}

private void button15\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[4]); // Product ID 37

}

private void button9\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[5]); // Product ID 38

}

private void button7\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[6]); // Product ID 39

}

private void button5\_Click\_1(object sender, EventArgs e)

{

AddProductToCart(ProductId[7]); // Product ID 40

}

}

}