

CSIT 355_02 Final Project Report

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December 16 2022

Logins for Website Testing:

Customer View:

username: ringo1

password: octopusgarden

Employee View:

username: quietbeatle1

password: somethinginthewayshemoves

Admin View:

username: revolution9

password: ohyoko

Owner View:

username: paul64

password: longtallsally

Database login (also found in 'config.php' in the appendix of this report):

username: rochaa6_Admin1

password: Baseball97!

database name: rochaa6_beatlesMerch

Executive Summary/Business Plan

This site was developed for the fictional online store “Penny Lane.” This store specializes in the sale of Beatles merchandise, of various types: physical music media, such as vinyl and CD’s; Beatles related apparel such as T-shirts and hats; facsimile posters pertaining to several different points in the Beatles arc; and miscellaneous items of interest such as pins, stickers, and faux street signs. Here, customers can purchase many items at once, review or cancel their orders, or view their account information.

The various products available for sale may be searched for within the site’s search functionality. In addition to the customer view of the site, there are three additional views pertaining to the store’s staff, each with their own distinct set of possible actions. In the owner page, the owner of the store may add a new item to the database or edit existing items; in the administrator page, the admin may assign orders to lower employees for management; and in the employee view, the employee may update order statuses.

Per the prompt, I had to develop an e-commerce application in which any user must create an account before accessing the website. Though only two views were required for individual projects, I found it easier to split up the different business responsibilities between an owner, an administrator, and an employee. As such, the prompt essentially introduced four anchor concepts (pertaining to the four different views). From there, we may arrive at several assumptions for the tables to be implemented in the subsequent database.

For the table ‘user’ for example:

Customer: Name, email, password, username

Employee: Name, email, password, username, management position

Admin: Name, email, password, username, management position

Owner: Name, email, password, username, management position

Username in all these cases are unique.

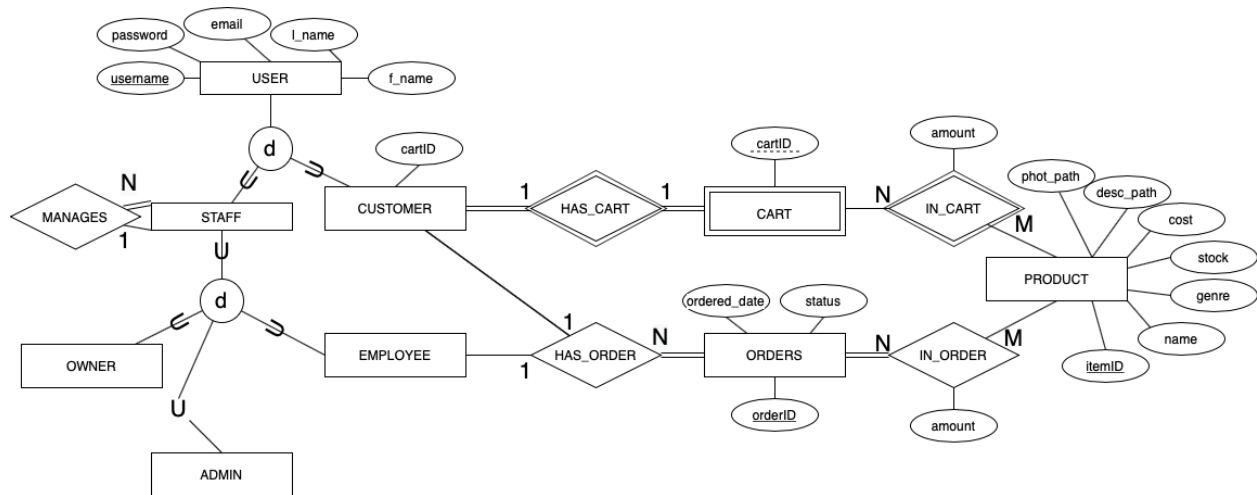
Again, per the prompt, the website was drawn up with the ability to host a minimum of thirty products across a minimum of five categories. Each item would need to have a cost associated, as well as changeable attributes within the database. So, in the anchor concept for the ‘Products’ table, I arrived at the following assumptions:

Product: itemID, name, genre (or category), description, cost (price), stock (amount available), and a photo of the product.

The prompt, furthermore, requested a shopping cart implementation which would allow customers to buy as much as they would like, and for receipt of any transactions to be recorded and logged into the database. From this, one may assume two additional anchor concepts: that of a cart and that of an order. A cart would need to be unique to the customer ID, and could only exist one at a time; a completed transaction would be transferred to an orders table for storage and further management. Therefore, an order entity and a cart entity may not exist simultaneously given that an order can only be in one table at any given time. For further actions, an employee, I assumed, would also need to be assigned to a particular order. Hence, the assumptions for this are as follows:

Cart/Order: ID, employee, customer, date/time

Conceptual Data Model



In the project's conceptual model, there are nine entities: one entity representing products, four entities for the different views, two generalized entities, and two additional entities which represent order history. The product entity represents a product in the database with several attributes: 'name', 'genre', 'stock', 'cost', 'desc_path', 'phot_path', which store the name, the category of product, amount available, price, a description of the item, and a photo of the item, respectively. The entity's primary key is 'itemID,' represented by an int value.

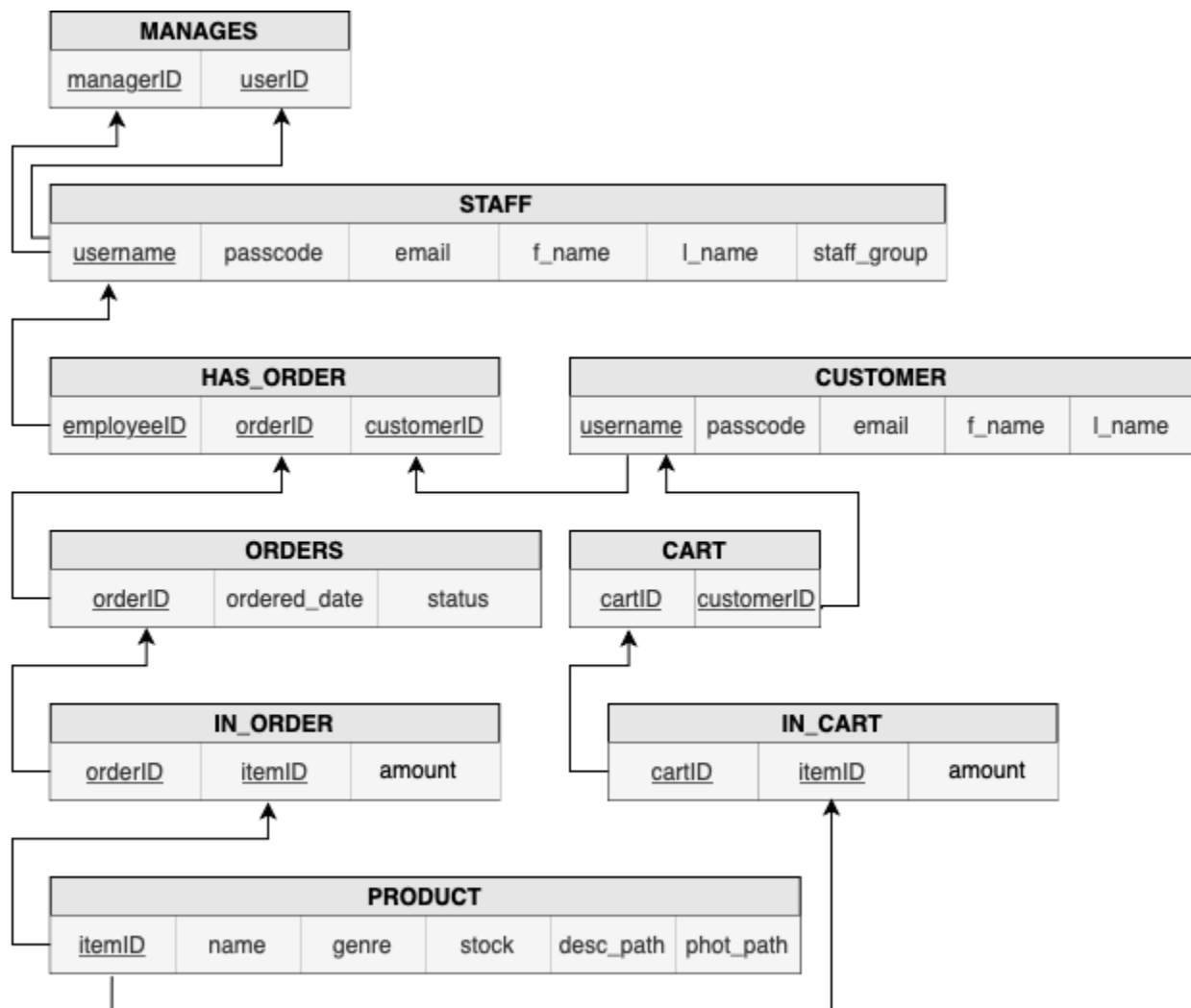
The four view entities ('customer', 'employee', 'owner', 'admin') are specializations of the generalized 'user' entity, whilst 'employee', 'owner' and 'admin' are further specializations of the 'staff' generalized entity. The 'user' entity includes attributes by which an account may be verified and the user can subsequently be logged in (i.e. username and password). The 'customer' entity additionally has a 'cartID' attribute, thereby linking said customer to the shopping cart. In all these cases, 'username' is assigned as the primary key.

Finally, the two entities regarding orders and order history are 'cart' and 'orders'. As discussed previously, the 'orders' entity carries information regarding orders which have already been placed, while the 'cart' entity represents an order which is currently in progress but not yet completed. Since 'cart' needs a user for this to occur, it is effectively a weak entity, with its weak key as 'cartID', rendering it unique among other carts by other users.

A word on the relationships evident in the conceptual model: 'manages' represents the relationship between staff; 'has_cart' / 'has_order' represents the relationship between users and

orders; and 'in_cart' and 'in_order' represents the relationship between products and orders. 'Manages' has 1:N cardinality since a member of staff may manage several people, but may not have more than one manager; its participation was thus partial-total. 'Has_cart' and 'has_order', an intrinsically weak relationship, has 1:1 cardinality, since a customer may only have one cart and a cart may only have one customer; participation is, therefore, total-total. 'In_cart' and 'in_order' have N:M cardinality because carts may have multiple products and multiple products may exist in multiple carts; participation in this case is partial-partial, since a product need not be in a cart and a cart may be empty entirely.

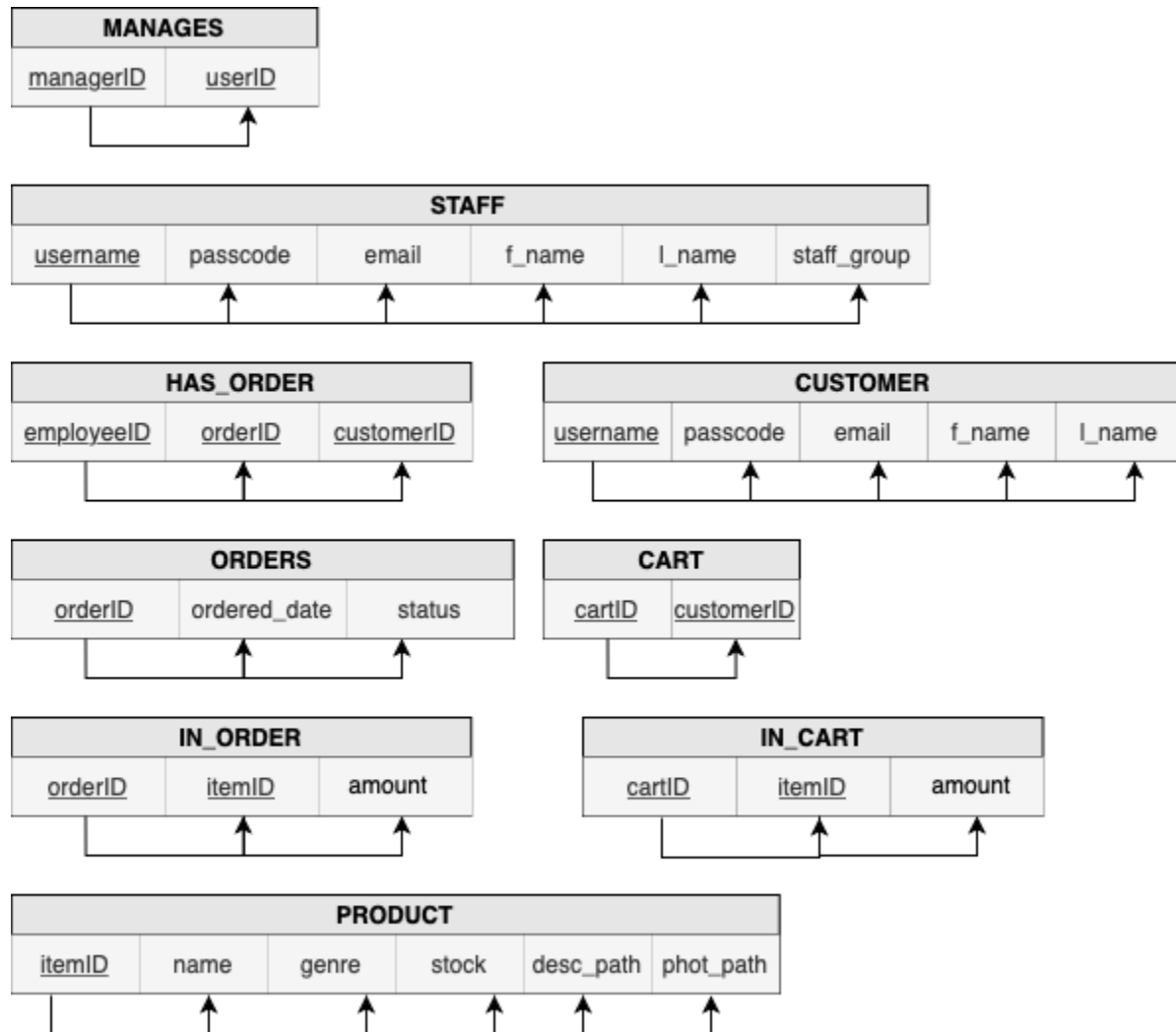
Logical Data Model



In this section, we will run through the various steps inherent in the logical data model shown above:

1. Step 0 - Specialization mapping: For user and staff entities, a combination of 'Multiple relations - subclass relations only' and 'single relation with one type attribute' are used. The customer entities were implemented into their own relation with 'cartID' and 'user' inherited keys/attributes; staff entities were integrated into 'staff,' with 'user' inherited attributes/keys, with the type attribute 'staff_group'.
2. Step 1 - in dealing with regular entities, the 'orders' entity was converted into relation with the primary key 'orderID' with attributes 'ordered_date' and 'status'.
3. Step 2 - 'cart' was given its own schema since it is a weak entity type. It was given a foreign key entitled 'username' from its correlated customer and a primary key entitled 'cartID' and 'username' where 'cartID' was its partial key.
4. Step 3 - 'has_cart' has a binary 1:1 relation, so it was included in the 'cart' schema' by utilizing the 'foreign key approach' since it already includes 'customer' primary key as a foreign key.
5. Step 4 - the 'relationship relation approach' was utilized for 'manages'. Nulls here are removed by only storing situations whereby a management relationship exists in a different table. Primary key here is the staff username which correlates to the manager, whereas the foreign key is the staff username which correlates to the one *being managed*.
6. Step 5 - M:N mappings must have the 'relationship relation option'. Hence, 'in_cart' and 'in_order' were converted into a schema whereby the primary key consisted of a pair of foreign keys from correlated product/order entries.
7. Step 6 - the 'relationship relation option' was again utilized for 'has_order', which has its own relation. Foreign keys are from 'customer', 'orders', and 'employee.' The triplet here functions as the primary key.

Functional Dependencies/Normal Forms



- 'Manages': 3rd normal form since it only has one non-key attribute and it already is in 2nd normal form
- 'Staff': 3rd normal form since all non-key attributes are solely determined by the key and it already is in 2nd normal form
- 'Customer': 3rd normal form since all non-key attributes are solely determined by the key and it already is in 2nd normal form.
- 'Has_Order': 3rd normal form since there are no non-key attributes to ascertain other non-key attributes and it already is in 2nd normal form.

- ‘Cart’: 3rd normal form since there are no non-key attributes to ascertain other non-key attributes and it already is in 2nd normal form.
- ‘Orders’: 3rd normal form since all non-key attributes are solely determined by the key and it already is in 2nd normal form.
- ‘In_Order’: 3rd normal form since there’s only one non-key attribute which can’t ascertain itself.
- ‘In_Cart’: 3rd normal form since there’s only one non-key attribute which can’t ascertain itself.
- ‘Product’: 3rd normal form since all non-key attributes are solely determined by the key and it already is in 2nd normal form.

Implementation

The first page the user encounters is that of a simple login:

Login

UserName:

Password:

Dont have an Account? [SignUp Here.](#)

From here, the user may either login, if they have an account, or they may click the “SignUp Here” hyperlink to create a new user account. If the scenario is the latter, the user then is redirected to:

SignUp

First Name:

Last Name:

Email address:

Username

Password:

Confirm Password:

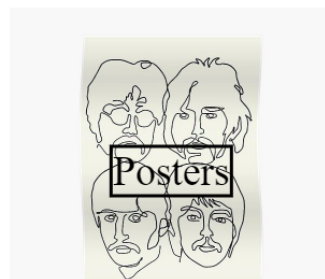
Submit

Already have an account? [Login Here.](#)

In the file “register.php”, new users are required to input their information, as per the above fields. Then, once the user has filled out these fields, the query in the top half of the code checks to determine if the user already exists, and then subsequently inputs the user information into the ‘Customer’ table. This information is verse collected in the `$_POST` array; the password is subsequently hashed and then inputted into the database by an INSERT query. A new cartID is generated for the customer, which is selected by taking into account the IDs of all orders with a join statement on the two tables. The largest value is subsequently determined by using a max

aggregate function. It is then incremented by 1, which allows the inserted object to now have the new max cartID and is, therefore, unique. At the same time, if the login information does not correlate with a customer account, a query is run which searches for an employee based on the value of a returned 'staff_group' variable. Depending on their position, they are subsequently redirected to a page pertaining to the work related tasks.

In this case, customer "ringo1" after logging in is directed to the homepage:



From here, the customer may choose to browse by clicking on any one of the five external links which point to a different category of product. Let's say, for example, they clicked on the 'vinyl' link: they would then be redirected to:

Vinyl



Please Please Me LP

The Fab Fours Debut LP On

\$25



Revolver LP

Their Landmark 1966 LP On

\$25

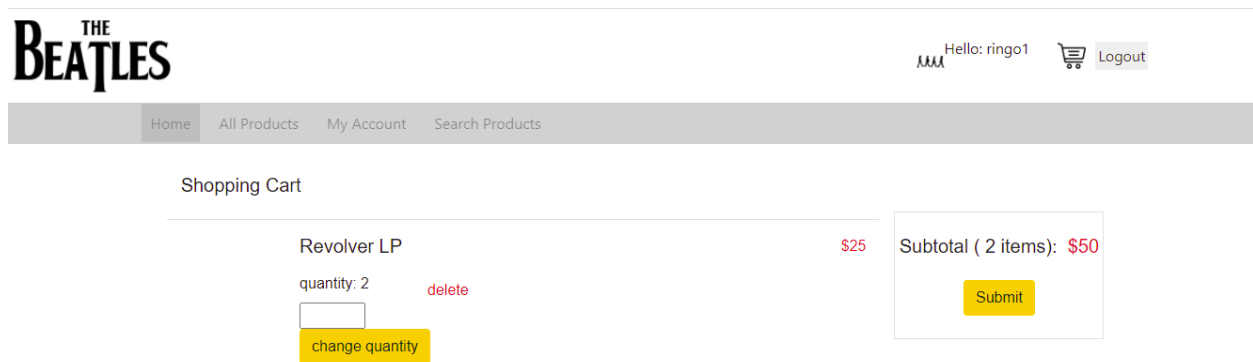


Sgt Peppers Lonely Hearts Club Band LP

Their 1967 Debut LP On

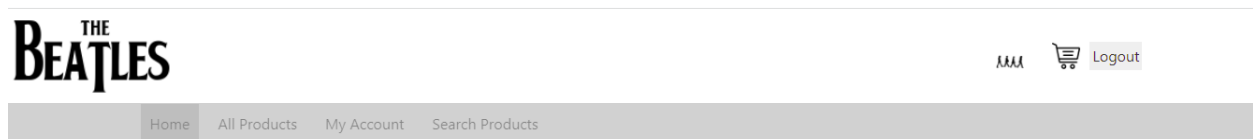
Originally, I had intended on having each individual product have its own unique photo attached to it within the database; unfortunately, I was unable to get this functionality in working order in time. As a result, the 'phot_path' column in the 'Products' table has been changed to NULL and every image within each category has been assigned the same image, respectively.

So, "ringo1" is ready to purchase some products. They are then redirected to the shopping cart upon choosing an item:



The screenshot shows the Beatles website's shopping cart. At the top, the Beatles logo is on the left, and the user is logged in as 'Hello: ringo1' with a shopping cart icon and a 'Logout' button on the right. Below the header is a navigation bar with links: Home, All Products, My Account, and Search Products. The main content area is titled 'Shopping Cart'. It displays a table with one item: 'Revolver LP' priced at '\$25'. The quantity is '2', with a 'delete' link and a 'change quantity' button. To the right of the table, a box shows the 'Subtotal (2 items): \$50' and a yellow 'Submit' button.

Once the user submits, this appears:



The screenshot shows the Beatles website after a successful purchase. The header and navigation bar are the same as the previous screenshot. Below the navigation bar, a message is displayed: 'Order placed by ringo1, with chosen case manager: revolution9' and 'previous cart-ID: 8 new cart-ID: 9'. Below this message is a large heading: 'Transfer Successful! Your purchase has been completed'.

Purchasing Product Region

Order placed by ringo1, with chosen case manager: revolution9
previous cart-ID: 8 new cart-ID: 9

Transfer Successful! Your purchase has been completed

This is implemented by using a session variable which stores the current username; with this information, the cart can be queried from the database. Three queries are then run: the first, which inserts the product into the cart, the second which determines the product's amount available, and the third which updates the stock # after purchase. Once the customer clicks submit, a message is output which displays the user who placed the order and the employee who will handle the order.

Account Details

Username	Email	First name	Last name
ringo1	yellowsub@gmail.com	Ringo	Stah

View Purchase History

orderID	Status	Date of Purchase	Total Cost
8	0	2022-05-09 22:48:00	50

itemID	name	genre	quantity	cost
1	Revolver LP	vinyl	2	25

orderID	Status	Date of Purchase	Total Cost
7	1	2022-05-09 20:03:20	105

itemID	name	genre	quantity	cost
1	Revolver LP	vinyl	2	25
13	Sweatshirt	apparel	1	30

The customer may also view their account details and their purchase history. A query within the code selects the orderIDs corresponding to a username; then another query uses that as a subquery to acquire all the ordering information, which is ordered by date in descending order.

We will transition now to the employee accounts, starting with the owner page:

Owner Page

[Logout](#)

current user: paul64

Select a category to search:

name ▼

Enter Query:

input search keyword

0 results

Enter product ID:

Change a products attribute :

stock ▼

Enter new attribute value:

query update

The owner may search for a product, edit a product, and add a new product.

The administrator page:

Admin Page

order assign

customer to employee

Logout

From here, user ‘revolution9’ (a cheeky way of representing the late John Lennon) may assign an order to an employee or convert a customer to employee. The latter function is how I was able to use this technology to create non-customer accounts in the first place.

current user: revolution9

Assign an order to an employee you manage

[Admin Homepage](#)

no input

Select a category to search by:

Assign case:

input orderID:

To Employee:

input username:

Orders currently assigned to admin

itemID	customerID	employeeID
8	ringo1	revolution9

List of employees you manage

Turn Customer Into User

Select Category to Search by:

Pick Staff Category: Employee ☐ Admin ☐On Customer:

old customer data:

0 results

```
INSERT INTO STAFF VALUES( " " " " " " )
DELETE FROM CUSTOMER WHERE username = "
INSERT INTO MANAGES VALUES( 'revolution9', " )
```

List of employees you manage:

userID

Switch Staff-Type

Change a staff Memebers level :

Pick Staff Category: owner ☐ admin ☐On Staff Member:

Finally, the last account to explore is ‘quietbeatle1’ (representing the late George Harrison).

Once this user logs in, this is what they’re shown:

current employee is: quietbead1

Employee Page

[Logout](#)

List of cases assigned to you

orderID	ordered_date	status
7	2022-05-09 20:03:20	1

Change Case Status

Select a case, and the state you wish to assign:

pick status value: complete ☐ incomplete ☐

On orderID:

From here, the employee may view the orders which were assigned to them and may also mark if the order has been completed.

Security Discussion

Part of the requirements in the prompt was to have a way to prevent anyone who isn't logged in from seeing the site itself. So, to address this problem, a file was created ("auth.php") which checks if the user is logged in. If not, the user is redirected to the login page. Another tenet of the security requirements regards password storage (and how passwords should not be stored in plaintext). As such, all passwords entered in the registration form are hashed and are encrypted in the database. The only way to login into the site is to independently know the unencrypted password.

Closing Remarks

By utilizing a combination of programming languages (HTML, CSS, Javascript for the front end; PHP and SQL for the backend) and design implementations such as 3rd normal formalization, the EER Relational algorithm and the EER model, execution of the project was thereby possible. By identifying key anchors, entities could be built, relationships could be established, and adding cardinalities could be determined and utilized.

The hardest challenges mostly revolved around the sheer breadth of this undertaking and managing its development amidst other pressing academic work, such as other longform projects/exams. If time was of no importance, I would have liked to improve the front end design so that it was more aesthetically pleasing, and to make the search functionality more reliable.

Works Cited:

https://img4.hulu.com/user/v3/artwork/d3b00689-e450-4fcb-9853-d37e78ed4c57?base_image_bucket_name=image_manager&base_image=6fa4522a-74a7-4125-9b38-bbfc53815c6b&size=458x687&format=jpeg

https://media.newyorker.com/photos/5d1110ba8fbc4cab88f7d1dc/2:2/w_2022,h_2022,c_limit/Eichler-Beatles-Network.jpg

<https://www.udiscovermusic.com/wp-content/uploads/2020/02/The-Beatles-GettyImages-1183628511.jpg>

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https://wycovintage.com/wp-content/uploads/2019/12/120619_0149.jpg

https://upload.wikimedia.org/wikipedia/commons/thumb/0/02/CD_icon_test.svg/1200px-CD_icon_test.svg.png

<https://willardsbrewery.com/wp-content/uploads/2022/01/vinyl.jpg>

<https://cdn-icons-png.flaticon.com/512/263/263142.png>

https://upload.wikimedia.org/wikipedia/commons/thumb/b/b0/Beatles_logo.svg/1280px-Beatles_logo.svg.png

Appendix

1. CSS

- a. allproducts.css pg. 21
- b. category.css pg. 25
- c. index.css pg. 27

2. PHP

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allproducts.css

```
.product{
  margin-left: 100px;
  margin-right: 100px;
  text-align: center;
}
.product-category{
  font-size: 30px;
  font-weight: 500;
  padding-top: 30px;
  width: 100%;
  text-transform: capitalize;
  text-align: center;
}

/* .product-container {*/
/*   margin-top: 10px;*/
/*   width: 500px;*/
/*   display: grid;*/
/*   justify-content: space-around;*/
/*   margin-bottom: 50px;*/
/*   border: solid black 2px;*/
/*} */
/* .product-section{*/
/*   width: 800px;*/
/*   float: left;*/

/*}*/

.product-container{
  text-align: center;
  margin-bottom: 100px;
}
.product-card{
  float: left;
  flex: 0 0 auto;
  width: 250px;
  height: 450px;
```

```
margin-left: 40px;
display: inline-table;
padding: 10px;
padding-bottom: 50px;

}

.product-image{
  position: relative;
  width: 100%;
  height: 350px;
  overflow: hidden;

}

.product-thumb{
  width: 100%;
  height: 350px;
  object-fit: cover;
  object-fit: cover;
}

.card-btn{
  position: absolute;
  bottom: 10px;
  left: 50%;
  transform: translateX(-50%);
  padding: 10px;
  width: 90%;
  text-transform: capitalize;
  border: none;
  outline: none;
  background: #fff;
  border-radius: 5px;
  transition: 0.5s;
  cursor: pointer;
  opacity: 0;
```

```
}  
.product-card:hover .card-btn{  
  opacity: 1;  
}  
  
.card-btn:hover{  
  background: #efefef  
}  
  
.product-info{  
  width: 100%;  
  height: 100px;  
  padding-top: 10px;  
}  
  
.product-brand{  
  text-transform: uppercase;  
}  
  
.product-des{  
  width: 100%;  
  height: 20px;  
  line-height: 20px;  
  overflow: hidden;  
  opacity: 0.5;  
  text-transform: capitalize;  
  margin-bottom: 10px;  
}  
  
.price{  
  font-weight: 900;  
  font-size: 20px;  
}  
  
.pre-btn, .nxt-btn{  
  border: none;  
  width: 10vw;  
  height: 100%;  
  position: absolute;
```

```
    top: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    background: linear-gradient(90deg, rgba(225, 255, 255, 0) 0%, #fff 100%);
    cursor: pointer;
    z-index: 8;
}

.pre-btn{
    left: 0;
    transform: rotate(180deg);
}

.nxt-btn{
    right: 0;
}

.pre-btn img, .nxt-btn img{
    opacity: 0.2;
}

.pre-btn:hover img, .nxt-btn:hover img{
    opacity: 1;
}
```


category.css

```
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

.Category-title{
  padding: 0 10vw;
  padding-top: 30px;
  font-size: 30px;
  font-weight: 500;
  margin-bottom: 40px;
  text-transform: capitalize;
  text-align: center;
}

.category-container {
  margin-top: 10px;
  width: 100%;
  display: grid;
  grid-template-columns: 400px 400px 400px;
  grid-template-rows: auto;
  grid-gap: 30px;
  justify-content: center;
  justify-items: center;
  align-content: space-evenly;
  align-items: center;
  margin-bottom: 50px;
}

.collection{
  position: relative;
  flex-basis: 30%;
}

.collection img{
  width: 100%;
  height: 100%;
}
```

```
    object-fit: cover;
}

.collection p{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
    text-align: center;
    color: black;
    font-size: 50px;
    text-decoration: none;
    border: solid;
}

.category-container-two{
    margin-top: -25px;
    width: 100%;
    display: grid;
    grid-template-columns: 400px 400px;
    grid-template-rows: auto;
    grid-gap: 30px;
    justify-content: center;
    justify-items: center;
    align-content: space-evenly;
    align-items: center;
    margin-bottom: 50px;
}
```

index.css

```

@import 'category.css';

html, body, div, span, applet, object, iframe,
h1, h2, h3, h4, h5, h6, p, blockquote, pre,
a, abbr, acronym, address, big, cite, code,
del, dfn, em, img, ins, kbd, q, s, samp,
small, strike, strong, sub, sup, tt, var,
b, u, i, center,
dl, dt, dd, ol, ul, li,
fieldset, form, label, legend,
table, caption, tbody, tfoot, thead, tr, th, td,
article, aside, canvas, details, embed,
figure, figcaption, footer, header, hgroup,
menu, nav, output, ruby, section, summary,
time, mark, audio, video {
    margin: 0;
    padding: 0;
    border: 0;
    font-size: 100%;
    font: inherit;
    vertical-align: baseline;
}

/* navigation section */

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'roboto', sans-serif;
}

.nav-bar{
    top: 0;
    left: 0;

```

```
    width: auto;
    background-color: white;
}

.nav{
    padding: 10px 10vw;
    display: flex;
    justify-content: space-between;
}

.logo-image{
    height: 80px;
}

.nav-items{
    display: flex;
    align-items: center;
}

.nav-items a{
    margin-left: 20px;
}

.nav-items img{
    width: 30px;
}

.cart{
    position: relative;
    text-align: center;
    cursor: pointer;
    margin: 5px 10px 5px 10px;
}

.cart img{
    width: 30px;
```

```
}

/* logout section */
.logout{
  position: relative;
}

.logoutbtn{
  border: none;
  color: #383838;;
  padding: 3px 3px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
  font-size: 16px;
  cursor: pointer;
}

.logoutbtn:hover{
  opacity: 1;
  background-color: #B7B7B7;
  text-decoration: white;
}

.cart ul{
  padding: 0;
  margin: 0;
  list-style: none;
}

.cat-list{
  width: 100%;
  display: flex;
  padding: 10px 10vw;
  justify-content: left;
  list-style: none;
  background-color: #d1d1d1;
}
}
```

```

.link{
  text-transform: capitalize;
  padding: 10px;
  margin: 5px;
  text-decoration: none;
  color: #383838;
  opacity: 0.5;
}

.link:hover{
  opacity: 1;
  background-color: #B7B7B7;
}

#home-item{
  background-color: #ABABAB;
}

@media screen and (max-width: 600px) {
  .cat-list a:not(:first-child) {display: none;}
  .cat-list a.icon {
    float: right;
    display: block;
  }
}

@media screen and (max-width: 600px) {
  .cat-list.responsive {position: relative;}
  .cat-list.responsive .icon {
    position: absolute;
    right: 0;
    top: 0;
  }
  .cat-list.responsive a {
    float: none;
    display: block;
  }
}

```

```

        text-align: left;
    }
}

/* header section */
.hero-section{
    width: 100%;
    height: 500px;
    background-image: url(../images/background.jpeg);
    background-size: cover;
    background-size: center;
    display: flex;
    align-items: center;
}

.text {
    background-color: white;
    color: black;
    font-size: 10vw; /* Responsive font size */
    font-weight: bold;
    margin: 0 auto; /* Center the text container */
    padding: 10px;
    width: 80%;
    text-align: center; /* Center text */
    position: absolute; /* Position text */
    top: 50%; /* Position text in the middle */
    left: 50%; /* Position text in the middle */
    transform: translate(-50%, -50%); /* Position text in the middle */
    mix-blend-mode: screen; /* This makes the cutout text possible */
}

/* account section */

.account-page{
    padding: 50px 0;

```

```
    justify-content: relative;
}

.form-container{
    width: 300px;
    height: 400px;
    position: relative;
    text-align: center;
    padding: 20px 0;
    margin: 0;
    box-shadow: 0 0 20px 0px rgba(0, 0, 0, 0.1);
}

/* footer section */

.footer{
    position: absolute;
    bottom: 0;
    width: 100%;
    height: 2.5rem;
}

footer{
    width: 100%;
    padding: 20px 20px;
    background-color: #ABABAB;
}

.footer-container{
    display: flex;
}

.logo{
    height: 75px;
}
```


admin_employee_status_page.php

```
<?php
session_start();
include 'auth.php';
?>

<html>

<?php
    $servername = "localhost";
    $dbUsername = "rochaa6_Admin1";
    $dbPass = "Baseball97!";
    $dbName = "rochaa6_beatlesMerch";

    // Create/check connection
    $conn = new mysqli($servername, $dbUsername, $dbPass, $dbName);
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
?>

<?php
    // define admin ID
    define( "adminID", $_SESSION['user'] );
    echo "<h6> current user: ".adminID." </h6>";
?>

<style>

    a{
        text-decoration: none;
        Color: black;
        Padding: 0.5em;
        background-color: lightgrey;
        border: 5px solid grey;
        border-radius: 50px;
```

```

    }
    a:hover{
        background-color: grey;
        color: white;
    }

    h1{
        text-align: center;
    }
</style>

<body>
    <div tyle= "text-align: center;">
        <h1 style= "background-color: #CFCFCF; border: 5px solid grey;
text-align:center;"> Employee Status Page</h1>
        <a href="admin_page.html" style= "border:5px solid grey;
text-align: center;" >Admin Homepage</a>
    </div>
</body>

<body>
    <h1> Turn Customer Into User </h1>

    <form method="post" style="border: 5px solid grey; text-align:center;
padding: 10px;">
        Select Category to Search by:<br>
        <br>

        Pick Staff Category:
        <label for="employee">Employee</label>
        <input type="radio" id="employee" name="cus_2_staf"
value="employee">
        <label for="admin">Admin</label>
        <input type="radio" id="admin" name="cus_2_staf" value="admin">
        <br>

```

```

        <br>
        On Customer:
            <label for="username_customer"></label>
            <input type="text" id="username_customer"
name="username_customer">

            <input type="submit" name="submit" value="submit assignment">
        </form>

        <br>

        <?php
            $username_customer=$_POST['username_customer'];
            $cus_2_staf=$_POST['cus_2_staf'];
            echo $username_customer." ".$cus_2_staf;

            //query customer data + gets array of all the customers data
            $sql_get_cus_vals="SELECT * FROM CUSTOMER WHERE username =
'".$username_customer."'";
            $result_customer = $conn->query($sql_get_cus_vals);

            $uservals_array=array();
            while($row = $result_customer->fetch_assoc()) {
                foreach ($row as $key => $value){
                    $uservals_array[$key]=$value;
                }
            }

            echo "<br><br>";
            echo "old customer data:";
            if ($result_customer->num_rows > 0) {
                //output query results by row
                echo "<table>";
                echo '<th> <td>uname</td> <td>code</td> <td>email</td>
<td>f_name</td> <td>l_name</td></th>';

```

```

        while($row = $result_customer->fetch_assoc()) {
            echo "<tr>";
            foreach ($row as $key => $value){
                echo "<td>".$value."</td>";
            }
            echo "</tr>";
        }
        echo "</table>";
    }
    else {
        //displays "0 results" if nothing matched
        echo "<br><br> 0 results";
    }

    $v1="''".$uservals_array['username'].''";
    $v2="''".$uservals_array['password'].''";
    $v3="''".$uservals_array['email'].''";
    $v4="''".$uservals_array['f_name'].''";
    $v5="''".$uservals_array['l_name'].''";

    $sql_create_staff="INSERT INTO STAFF VALUES( ".$v1.", ".$v2.",
    ".$v3.", ".$v4.", ".$v5.", '".$cus_2_staf.'" )";
    $conn->query($sql_create_staff);
    echo "<br>".$sql_create_staff;
    //$conn->query($sql_get_cus_vals);

    $sql_delete_customer="DELETE FROM CUSTOMER WHERE username = ".$v1;
    $conn->query($sql_delete_customer);
    echo "<br>".$sql_delete_customer;
    //$conn->query($sql_get_cus_vals);

    $sql_manage_staff="INSERT INTO MANAGES VALUES( '".$adminID."',
    ".$v1." )";
    $conn->query($sql_manage_staff);
    echo "<br>".$sql_manage_staff;
    //$conn->query($sql_manage_staff);

    ?>

```

```
</body>
```

```
<body >
    <h2> List of employees you manage:</h2>
    <p style="border: 5px solid grey; text-align:center; style= padding:
10px;">
        <?php

            //query orders currently assigned to the given admin
            $sql_list_managed_employees = "SELECT userID FROM MANAGES WHERE
managerID"." = '".adminID.'"";
            echo "<br>";
            $result_managed = $conn->query($sql_list_managed_employees);

            if ($result_managed->num_rows > 0) {

                //output query results by row
                echo "<table>";
                echo '<th> <td>userID</td> </th>';
                while($row = $result_managed->fetch_assoc()) {
                    echo "<tr>";
                    foreach ($row as $key => $value){
                        echo "<td>".$value."</td>";
                    }
                    echo "</tr>";
                }
                echo "</table>";
            }
            else {
                //displays "0 results" if nothing matched
                echo "<br><br> 0 results";
            }
        ?>
    </p>
```

```
</body>
```

```
<body>
```

```
<h1>Switch Staff-Type</h1>
```

```
<form method="post" style="border: 5px solid grey; text-align:center;
padding: 10px;">
```

```
Change a staff Memembers level :<br>
```

```
<br>
```

```
Pick Staff Category:
```

```
<label for="owner">owner</label>
```

```
<input type="radio" id="owner" name="staff_change"
value="owner">
```

```
<label for="admin">admin</label>
```

```
<input type="radio" id="admin" name="staff_change"
value="admin">
```

```
<br>
```

```
<br>
```

```
On Staff Member:
```

```
<label for="staff_username"></label>
```

```
<input type="text" id="staff_username" name="staff_username">
```

```
<input type="submit" name="submit" value="submit assignment">
```

```
</form>
```

```
<?php
```

```
$staff_change=""'.$_POST['staff_change'].'";
```

```
$staff_username=""'.$_POST['staff_username'].'";
```

```

        $sql_class_change = "UPDATE STAFF SET staff_group =
".$staff_change." WHERE username = ".$staff_username;
        $conn->query($sql_class_change);
        echo "<br>".$sql_class_change;

        switch( $staff_change ){
            case "'owner'":
                $sql_manage_update = "UPDATE MANAGES SET managerID =
".$staff_username." WHERE userID = ".$staff_username;
                break;
            case "'admin'":
                $sql_manage_update = "UPDATE MANAGES SET managerID =
"."'owner'". " WHERE userID = ".$staff_username;
                break;
            default:
                echo "something went wrong";
        }

        echo "<br>".$sql_manage_update;

        $conn->query($sql_manage_update);
        ?>

</p>
</body>

<?php
    $conn->close();
    ?>

</html>

```

admin_order_assign_page.php

```
<?php
session_start();
include 'auth.php';
?>
```

```
<html>
```

```
<?php
    $servername = "localhost";
    $dbUsername = "rochaa6_Admin1";
    $dbPass = "Baseball97!";
    $dbName = "rochaa6_beatlesMerch";

    // Create/check connection
    $conn = new mysqli($servername, $dbUsername, $dbPass, $dbName);
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
?>
```

```
<?php
    // define admin ID
    define( "adminID", $_SESSION['user'] );
    echo "<h6> current user: ".adminID." </h6>";
?>
```

```
<style>

a{
    text-decoration: none;
    Color: black;
    Padding: 0.5em;
    background-color: lightgrey;
    border: 5px solid grey;
    border-radius: 50px;
}
```



```

        a:hover{
            background-color: grey;
            color: white;
        }

        h1, h2{
            text-align: center;
        }
    </style>

    <body>

        <h1 style= "background-color: #CFCFCF; border: 5px solid grey;
text-align:center;"> Assign an order to an employee you manage </h1>

        <a href="admin_page.html">Admin Homepage</a>
        <br>
        <br>

        <!-- form action to call search page -->
        <?php
            $orderId_assign = $_POST['orderId_assign'];
            $username_assign = $_POST['username_assign'];

            if ( ($orderId_assign != null) and ($username_assign != null)
){
                $sql_update_order_handler = "UPDATE HAS_ORDER SET
employeeID='".$username_assign."' WHERE orderId='".$orderId_assign."'";
                echo "<br>";
                $conn->query($sql_update_order_handler);
            }
            else {
                echo "no input";
            }

        ?>

```

```

        <form method="post" style="border: 5px solid grey;
text-align:center; padding: 10px;">
        Select a category to search by:<br>
        <h4>Assign case: </h4>
        <label for="orderId_assign">input orderId:</label>
        <input type="text" id="orderId_assign"
name="orderId_assign"><br>
        <h4>To Employee: </h4>
        <label for="username_assign">input username:</label>
        <input type="text" id="username_assign"
name="username_assign">
        <br />
        <br>
        <input type="submit" name="submit" value="submit assignment">
        </form>

    </body>

```

```

    <body >
        <h2> Orders currently assigned to admin</h2>
        <p style="border: 5px solid grey; text-align:center; padding:
10px;">
        <?php

            //query orders currently assigned to the given admin
            $sql_list_admin_orders = "SELECT * FROM HAS_ORDER WHERE
employeeID"." = '".adminID.'"";
            echo "<br>";
            $result_admin_orders = $conn->query($sql_list_admin_orders);

            if ($result_admin_orders->num_rows > 0) {
                //output query results by row
                echo "<table>";
                echo '<th> <td>itemID</td> <td>customerID</td>
<td>employeeID</td> </th>';

```

```

        while($row = $result_admin_orders->fetch_assoc()) {
            echo "<tr>";
            foreach ($row as $key => $value){
                echo "<td>".$value."</td>";
            }
            echo "</tr>";
        }
        echo "</table>";
    }
    else {
        //displays "0 results" if nothing matched
        echo "<br><br> 0 results";
    }
    ?>
</p>

</body>

<body >
    <h2> List of employees you manage</h2>
    <p style="border: 5px solid grey; text-align:center; padding:
10px;">
    <?php

        // define admin ID
        define( "adminID", "admin1");

        //query orders currently assigned to the given admin
        $sql_list_managed_employees = "SELECT userID FROM MANAGES
WHERE managerID"." = '".adminID.'"";
        echo "<br>";
        $result_managed = $conn->query($sql_list_managed_employees);

        if ($result_managed->num_rows > 0) {

            //output query results by row

```

```

        echo "<table>";
        echo ' <th> <td>userID</td> </th>';
        while($row = $result_managed->fetch_assoc()) {
            echo "<tr>";
            foreach ($row as $key => $value){
                echo "<td>".$value."</td>";
            }
            echo "</tr>";
        }
        echo "</table>";
    }
    else {
        //displays "0 results" if nothing matched
        echo "<br><br> 0 results";
    }
    ?>
</p>

</body>

</html>

```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Admin Page</title>
```

```
<link rel="stylesheet" href="css/index.css">
```

```
<style>
```

```
body{
```

```
text-align: center;
```

```
margin: 50px;
```

```
}
```

```
.login-pg{
```

```
border: 5px solid grey;
```

```
text-align:center;
```

```
padding: 10px;
```

```
}
```

```
a{
```

```
font-size: 25px;
text-decoration: none;
Color: black;
Padding: 0.1em;
background-color: lightgrey;
border: 5px solid grey;
border-radius: 50px;
}
a:hover{
background-color: grey;
color: white;
}
```

```
h1 {
background-color: #CFCFCF;
border: 5px solid grey;
text-align:center;
margin: 50px;
font-size: 50px;
}
```

```
button {
border:5px solid grey;
padding: 10px 27px;
text-align: center;
```

```
text-decoration: none;

display: inline-block;

font-size: 16px;

text-align: center;

border-radius: 50px;

}
```

```
button:hover{

cursor: pointer;

background-color: grey;

color: white;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class= login-pg>
```

```
<h1> Admin Page </h1>
```

```
<div class = "btn">
```

```
<a href="admin_order_assign_page.php"> order assign</a>
```

```
</div>
```

```
<br>
```

```
<br>
```

```
<div class = "btn">  
  
<a href="admin_employee_status_page.php"> customer to employee</a>  
  
</div>  
  
<br>  
  
<br>  
  
<div class="login-btn">  
  
<button class = "loginbtn" type="button"  
onclick="document.location='logout.php'">Logout</button>  
  
</div>  
  
  
  
</div>  
  
  
  
</body>  
  
  
  
</html>
```



```

<?php
    include 'config.php';
    include 'auth.php';
    $sql = "SELECT * FROM PRODUCT WHERE genre='".$$_POST['genre']."'";
    $result = $conn->query($sql);
    echo "<h6> query: $sql";
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Owl Supplies</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="css/allproducts.css">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhxxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

</head>
<body>
    <nav class="nav-bar">
        <div class="nav">
            <div class="logo-image">
                <a href="homepage.php"></a>

            </div>

            <div class="nav-items">

                <a href="#"></a>

```

```

        <div class="cart">
            <ul>
                <li class="dropdown_header_cart">
                    <div class="shopping-cart">
                        <a href="cart.php"></a>
                    </div>
                </li>
            </ul>
        </div>
        <div class="logout">
            <div class="login-btn">
                <button class = "logoutbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
            </div>
        </div>
    </div>
    <ul class="cat-list">

        <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>
        <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>
        <li class="cat-item"><a href="#" class="link">My Account</a></li>

    </ul>
</nav>

```

```
<!-- all product section -->
```

```
<div class="product-section">
```

```

        <section class="product">
            <h2 class="product-category">All Products</h2>
            <?php
                while($row = $result->fetch_assoc()){
                    ?>
                        <div class="product-container">
                            <div class="product-card">
                                <div class="product-image">
                                    
                                <form method="post" action="product.php">
                                    <input type="hidden" name="productID"
value="<?php echo $row['itemID']; ?>">
                                    <input type="hidden" name="name"
value="<?php echo $row['name']; ?>">
                                    <input type="hidden" name="genre"
value="<?php echo $row['genre']; ?>">
                                    <input type="hidden" name="stock"
value="<?php echo $row['stock']; ?>">
                                    <input type="hidden" name="cost"
value="<?php echo $row['cost'] ;?>">
                                    <input type="hidden" name="desc_path"
value="<?php echo $row['desc_path']; ?>">
                                    <input type="hidden" name="phot_path"
value="<?php echo $row['phot_path']; ?>">
                                    <!-- <button class="card-btn">open</button>
-->
                                    <input type="submit" class="card-btn"
name="submit" value="submit assignment">
                                    <!-- "window.location.href='product.php'"
-->
                                </form>
                            </div>
                            <div class="product-info">
                                <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
                                <p class="product-des"><?php echo
$row['desc_path'] ?></p>

```

```

        <?php echo "<h6> hello ".$row['cost']." </h6>"
; ?>
        <span class="price"><?php echo $row['cost']
?></span>
    </div>
</div>
</div>
<?php }
?>
</section>
</div>
<!-- end of product section -->

```

```

<footer>
    <div class="footer-container">
        <a href="#"></a>
    </div>
<!-- End footer section -->
</body>
</html>

```

allProducts.php

```

<?php
    include 'auth.php';
    include 'config.php';
    $sql = "SELECT * FROM PRODUCT";
    $result = $conn->query($sql);
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>All Products</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="css/allproducts.css">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

<style>
    #main-site{
        padding-bottom: 5rem;
    }

    .footer{
        position: absolute;
        bottom: 0;
        width: 100%;
        height: 2.5rem;
    }
</style>
</head>
<body>
<main id= "main-site">
    <nav class="nav-bar">

```

```

    <div class="nav">

        <div class="logo-image">
            <a href="homepage.php"></a>

        </div>

        <div class="nav-items">
            <a href="customer-page.php"></a>

            <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

            <div class="cart">
                <ul>
                    <li class="dropdown_header_cart">
                        <div class="shopping-cart">
                            <a style= "padding-right: 30px;"
href="cart.php"></a>
                        </div>
                    </li>
                </ul>
            </div>

            <div class="logout">
                <div class="login-btn">
                    <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
                </div>
            </div>
        </div>

        <ul class="cat-list">

            <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>

```

```

        <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>

        <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>

        <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>


    </ul>

</nav>

<h2 class="product-category">All Products</h2>


<!-- all product section -->
<section class="product">
    <div class="product-section">
        <?php
            while($row = $result->fetch_assoc()){
                ?>

                <div class="product-container">
                    <div class="product-card">
                        <div class="product-image">
                            
                            <form method="post" action="product.php">
                                <input type="hidden" name="productID"
value="<?php echo $row['itemID']; ?>">
                                <input type="hidden" name="name"
value="<?php echo $row['name']; ?>">
                                <input type="hidden" name="genre"
value="<?php echo $row['genre']; ?>">
                                <input type="hidden" name="stock"
value="<?php echo $row['stock']; ?>">
                                <input type="hidden" name="cost"
value="<?php echo $row['cost'] ;?>">
                                <input type="hidden" name="desc_path"
value="<?php echo $row['desc_path']; ?>">
                                <input type="submit" class="card-btn"
name="submit" value="Go To Product">

```

```
        </form>
    </div>
    <div class="product-info">
        <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
        <p class="product-des"><?php echo
$row['desc_path'] ?></p>
        <span class="price"><?php echo '$',
$row['cost'] ?></span>
    </div>
</div>
</div>
<?php }
?>
</div>
</section>
</body>
</html>
```

apparel.php


```

<?php
    include 'auth.php';
    include 'config.php';
    $sql = "SELECT * FROM PRODUCT WHERE genre = 'apparel'";
    $result = $conn->query($sql);
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Apparel</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="css/allproducts.css">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

<style>
    #main-site{
        padding-bottom: 5rem;
    }

    .footer{
        position: absolute;
        bottom: 0;
        width: 100%;
        height: 2.5rem;
    }
</style>
</head>
<body>
<main id= "main-site">
    <nav class="nav-bar">

```

```

    <div class="nav">

        <div class="logo-image">
            <a href="homepage.php"></a>

        </div>

        <div class="nav-items">
            <a href="customer-page.php"></a>

            <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

            <div class="cart">
                <ul>
                    <li class="dropdown_header_cart">
                        <div class="shopping-cart">
                            <a style= "padding-right: 30px;"
href="cart.php"></a>
                        </div>
                    </li>
                </ul>
            </div>

            <div class="logout">
                <div class="login-btn">
                    <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
                </div>
            </div>
        </div>

        <ul class="cat-list">

            <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>

```

```

        <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>

        <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>

        <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

    </ul>

</nav>

<h2 class="product-category">Apparel</h2>

<!-- all product section -->
<section class="product">
    <div class="product-section">
        <?php
            while($row = $result->fetch_assoc()){
                ?>

                <div class="product-container">
                    <div class="product-card">
                        <div class="product-image">
                            
                            <form method="post" action="product.php">
                                <input type="hidden" name="productID"
value="<?php echo $row['itemID']; ?>">
                                <input type="hidden" name="name"
value="<?php echo $row['name']; ?>">
                                <input type="hidden" name="genre"
value="<?php echo $row['genre']; ?>">
                                <input type="hidden" name="stock"
value="<?php echo $row['stock']; ?>">
                                <input type="hidden" name="cost"
value="<?php echo $row['cost'] ;?>">
                                <input type="hidden" name="desc_path"
value="<?php echo $row['desc_path']; ?>">
                                <input type="submit" class="card-btn"
name="submit" value="Go To Product">

```

```
        </form>
    </div>
    <div class="product-info">
        <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
        <p class="product-des"><?php echo
$row['desc_path'] ?></p>

        <span class="price"><?php echo '$',
$row['cost'] ?></span>
    </div>
</div>
</div>
<?php }
?>
</div>
</section>

</body>
</html>
```

```
<?php
session_start();
if (empty($_SESSION['user'])) {
    // The username session key does not exist or it's empty.
    header('Location: login.php');
    exit;
}
```

```

<?php
session_start();
include 'auth.php';
include 'config.php';

//get cart ID query
$username=$_SESSION['user'];
$sql = "SELECT * FROM CART WHERE customerID = '". $username. "'";
$result_cartID = $conn->query($sql);
$values = $result_cartID->fetch_assoc();
$cartID = $values['cartID'];
// echo "<h6> cartID: ". $cartID."</h6>";

if (isset($_POST['productID']) and ($_POST['quantity']!=0)){
    $sql_insert_product = "INSERT INTO IN_CART VALUES( ". $cartID.",
".$_POST['productID'].", ".$_POST['quantity'].")";
    $conn->query($sql_insert_product);

    $sql_get_stock = "SELECT stock FROM PRODUCT where itemID =
".$_POST['productID'];
    $result_stock = $conn -> query($sql_get_stock);
    $var_stock = $result_stock -> fetch_assoc();
    $stock = $var_stock['stock'];

    $sql_lower_stock = "UPDATE PRODUCT SET stock = " . ($stock -
$_POST['quantity'])." WHERE itemID = ".$_POST['productID'];
    $conn->query($sql_lower_stock);
    $_POST['productID']=NULL;
}

if (isset($_POST['to_delete_ID'])){

    //query current remaining product stock
    $sql_del_stock = "SELECT stock FROM PRODUCT where itemID =
".$_POST['to_delete_ID'];
    $result_del_stock = $conn -> query($sql_del_stock);

```

```

    $var_del_stock = $result_del_stock -> fetch_assoc();
    $del_stock = $var_del_stock['stock'];

    //query to get the amount of product your order requested
    $sql_get_amount = "SELECT amount FROM IN_CART WHERE ( (orderId =
".$cartID.") AND (itemID = ".$POST['to_delete_ID'].") )";
    $result_sql_getamount = $conn->query($sql_get_amount);
    $var_amount = $result_sql_getamount -> fetch_assoc();
    $amount_for_increase = $var_amount['amount'];

    $sql_increase_stock = "UPDATE PRODUCT SET stock = " . ($del_stock +
$amount_for_increase) . " WHERE itemID = ".$POST['to_delete_ID'];
    $conn->query($sql_increase_stock);

    $sql_delete_product = "DELETE FROM IN_CART WHERE ( (orderId =
".$cartID.") AND (itemID = ".$POST['to_delete_ID'].") )";
    $conn->query($sql_delete_product);

    $POST['to_delete_ID']=NULL;
}

if (isset($POST['quantity_update_ID'])) {

    //change quantity in cart
    $sql_change_quantity = "UPDATE IN_CART SET amount =
".$POST['quantity_update']. " WHERE ( (itemID =
".$POST['quantity_update_ID'].") AND ( orderId = ".$cartID.") )";
    $conn->query($sql_change_quantity);

    //change stock in products table
    $sql_change_stock = "UPDATE PRODUCT SET stock =
".$POST['inital_stock']-$POST['quantity_update']. " WHERE ( (itemID =
".$POST['quantity_update_ID'].") )";
    $conn->query($sql_change_stock);

    //set condition so that update wont occur again by accident

```

```

        $_POST['quntity_update_ID']=NULL;

        if ($_POST['quantity_update']==0){
            $sql_delete_product = "DELETE FROM IN_CART WHERE ( (orderID =
            ".$cartID.") AND (itemID = ".$_POST['quantity_update_ID'].") );";
            $conn->query($sql_delete_product);
        }

    }

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Product</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="index.js">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

<style>
    body{
        position: relative;
        min-height: 100vh;
    }
    #main-site{
        padding-bottom: 5rem;
    }
    .footer{
        position: absolute;
        bottom: 0;

```



```

        width: 100%;
        height: 2.5rem;
    }
</style>
</head>

<body>
    <nav class="nav-bar">
        <div class="nav">

            <div class="logo-image">
                <a href="homepage.php"></a>

            </div>

            <div class="nav-items">

                <a href="customer-page.php"></a>

                <?php $username=$_SESSION['user'];
                    echo "<p> Hello: ".$username."</p>";
                ?>

            <div class="cart">
                <ul>
                    <li class="dropdown_header_cart">
                        <div class="shopping-cart">
                            <a href="cart.php" ></a>
                        </div>
                    </li>
                </ul>
            </div>

            <div class="logout">

```

```

        <div class="login-btn">
            <button class = "logoutbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
        </div>
    </div>
</div>

<ul class="cat-list">

    <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>
    <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>
    <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>
    <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

</ul>
</nav>

<!-- start #main-site -->
<main id="main-site">

    <!-- Shopping cart section -->
    <section id="cart" class="py-3">
        <div class="container-fluid w-75">
            <h5 class="font-baloo font-size-20">Shopping Cart</h5>

            <!-- shopping cart items -->
            <div class="row">
                <div class="col-sm-9">

                    <?php

```

```

                                $sql_itemID="SELECT itemID FROM IN_CART
WHERE orderID = ".$cartID;

                                $sql_prodcuts="SELECT * FROM PRODUCT WHERE
itemID IN ( ".$sql_itemID.")";

                                $result_products =
$conn->query($sql_prodcuts);

```

```

                                while($row =
$result_products->fetch_assoc()){
                                ?>

```

```

                                <!-- cart item -->
                                <div class="row border-top py-3 mt-3">
                                    <div class="col-sm-2">
                                        </div>
                                    <div class="col-sm-8">

```

```

                                <!-- product name -->
                                <h5 class="font-baloo
font-size-20"><?php echo $row['name']; ?></h5>
                                <!-- product name -->

```

```

                                <!-- product qty -->
                                <div class="qty d-flex pt-2">

                                <div class="d-flex
font-rale w-25">

```

```

                                <!-- query to get the
amount of product your order requested -->

                                <?php

```

```

$mysql_getamount =
"SELECT amount FROM IN_CART WHERE ( (orderId = ".$cartID.") AND (itemID
=".$row['itemID'].") ) ";

$result_getamount =
$conn->query($mysql_getamount);

$result_getamount -> fetch_assoc();

$amount =
$result_getamount['amount'];

?>

<!-- query to get
remaining stock -->

<?php
$mysql_getstock =
"SELECT stock FROM PRODUCT where itemID = ".$row['itemID'];
$result_getstock =
$conn->query($mysql_getstock );

$result_getstock -> fetch_assoc();

$stock =
$result_getstock ['stock'];

?>

<!-- button to update
the quantity -->

<form action="cart.php"
method="post">



```

```

<input
type="number" id="cost" name="quantity_update" min="0" max= <?php echo
($getamount + $getstock) ?>>
<input
type="hidden" name="inital_stock" value="<?php echo ($getamount + $getstock)
?>">
<input
type="submit" class="btn btn-warning form-control" value="change quantity" >
</form>

```

```

</div>

<form method="post">
<input type="hidden"
name="to_delete_ID" value="<?php echo $row['itemID']; ?>">
<input type="submit"
class="btn font-baloo text-danger px-3" value="delete" >
</form>
</div>
<!-- !product qty -->

```

```

</div>

<!-- PRICE -->
<div class="col-sm-2 text-right">
<div class="font-size-20
text-danger font-baloo">
$<span
class="product_price"><?php echo $row['cost'] ; ?></span>
</div>
</div>
<!-- PRICE -->

```

```

</div>
<?php
}

```

```

        ?>
    </div>

    <!-- subtotal section-->

    <?php
        //calculate product total:
        $sql_a_c="SELECT sum(amount*cost) as cost FROM
";
        $sql_join="(IN_CART INNER JOIN PRODUCT ON
IN_CART.itemID=PRODUCT.itemID)";
        $sql_where=" WHERE IN_CART.orderID= ".$cartID;
        $result_cart_total=
$conn->query($sql_a_c.$sql_join.$sql_where);
        $var_total = $result_cart_total ->
fetch_assoc();
        $cart_total = $var_total['cost'];

        //calculate number of products
        $sql_num_of_produ="SELECT sum(amount) as count
FROM (IN_CART INNER JOIN PRODUCT ON IN_CART.itemID=PRODUCT.itemID)";
        $sql_where_addon="WHERE IN_CART.orderID =
".$cartID;
        $result_count=
$conn->query($sql_num_of_produ.$sql_where_addon);
        $var_count = $result_count -> fetch_assoc();
        $count = $var_count['count'];

    ?>
    <div class="col-sm-3">
        <div class="sub-total border text-center mt-2">
            <div class="py-4">
                <h5 class="font-baloo
font-size-20">Subtotal ( <?php echo $count; ?> items):&nbsp; <span

```

```

class="text-danger">${<span class="text-danger" id="deal-price"><?php echo
$cart_total; ?> </span> </span> </h5>
<form action="cart_to_order.php">
    <input type="submit" class="btn
btn-warning mt-3" name="Proceed to Buy">
</form>
</div>
</div>
</div>
</div>
<!-- !subtotal section-->
</div>
<!-- !shopping cart items -->
</div>
</section>
<!-- !Shopping cart section -->

<div class="footer">
    <footer>
        <div class="footer-container">
            <a href="#"></a>
        </div>
    </footer>
</div>
</body>
</html>

```



```

    </style>
</head>

<body>

    <!-- Header code -->
    <nav class="nav-bar">
        <div class="nav">

            <div class="logo-image">
                <a href="homepage.php"></a>

            </div>

            <div class="nav-items">

                <a href="#"></a>

            <div class="cart">
                <ul>
                    <li class="dropdown_header_cart">
                        <div class="shopping-cart">
                            <a href="cart.php" ></a>
                        </div>
                    </li>
                </ul>
            </div>

            <div class="logout">
                <div class="login-btn">
                    <button class = "logoutbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
                </div>
            </div>
        </div>
    </div>

```

```

        </div>
        <ul class="cat-list">

            <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>
            <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>
            <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>
            <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

        </ul>
    </nav>

    <main id="main-site">
        <!-- query code -->
        <div>
            <h1>Purchasing Product Region</h1>
            <br>
            <br>

            <?php

                //gets cartID of current sessions user
                $sql_get_cartID= "SELECT cartID FROM CART WHERE customerID=
'".$_SESSION['user']."'";
                $result_cartID = $conn->query($sql_get_cartID);
                $user_cartID = $result_cartID->fetch_assoc();
                $cur_cartID = $user_cartID['cartID'];

                //check if there are products in the cart; otherwise ignore order
placement request.
                $sql_size_check = "SELECT COUNT(*) as count FROM IN_CART WHERE
orderID = ".$cur_cartID;

```

```

$result_sizecheck = $conn->query($sql_size_check);
$sizecheck = $result_sizecheck->fetch_assoc();

//if statement to check if the cart is empty or not
if ($sizecheck['count']==0){
    print("the cart is empty, there's nothing to purchase...<br>");
}
else{
    //copy users cart to 'orders' table
    $sql_insert = "INSERT INTO ORDERS (orderId) ";
    $sql_subselect = "SELECT cartID FROM CART WHERE cartID =
".$cur_cartID;
    $conn -> query($sql_insert.$sql_subselect);

    //copy corresponding IN_CART data to IN_ORDER
    $sql_ino_i = "INSERT INTO IN_ORDER (orderId, itemID, amount )
";
    $sql_ino_ss = "SELECT orderId, itemID, amount FROM IN_CART ";
    $sql_ino_w = "WHERE orderId =".$cur_cartID;
    $conn -> query($sql_ino_i.$sql_ino_ss.$sql_ino_w);

    //Select an admin to manage the case at random
    $sql_admin = "SELECT username FROM STAFF WHERE staff_group =
'admin'";
    $sql_random = " ORDER BY RAND() LIMIT 1";
    $result_admin = $conn -> query($sql_admin.$sql_random);
    $var_admin = $result_admin -> fetch_assoc();
    $admin = $var_admin['username'];

    //create a has_order element:
    $sql_has_order="INSERT INTO HAS_ORDER VALUES( ".$cur_cartID.",
'".$_SESSION['user']."', '".$_admin."'");
    $conn -> query($sql_has_order);

```

```

        //remove users old IN_CART entries
        $sql_delete_incart = "DELETE FROM IN_CART WHERE orderID=
".$cur_cartID;
        $conn->query($sql_delete_incart);

        //remove users old CART entry
        $sql_delete_cart = "DELETE FROM CART WHERE cartID=
".$cur_cartID;
        $conn->query($sql_delete_cart);

        //set up union subqueries to get new cartID
        $sql_maxID = "SELECT max(ID) FROM ";
        $sql_UID_1 = "SELECT cartID as ID FROM CART";
        $sql_UID_2 = "SELECT orderID as ID FROM ORDERS";
        $alias = "as orderIDs";
        $sql_total = $sql_maxID."(".$sql_UID_1." UNION
".$sql_UID_2.")".$alias;

        //get new ID
        $result_max = $conn -> query($sql_total);
        $max = $result_max -> fetch_assoc();
        $new_cartID=($max['max(ID)']+1);

        //set up new cart
        $sql_new_cart = "INSERT INTO CART VALUES( ".$new_cartID.",
'".$_SESSION['user']."' )";
        $conn->query($sql_new_cart);

        echo "      Order placed by '".$_SESSION['user']."', with chosen
case manager: ".$admin."<br>";
        echo "      previous cart-ID: ".$cur_cartID."      new cart-ID:
" . ($new_cartID) . "<br>";

```

```

        print("<h1>Transfer Succesful! Your purchase has been
completed</h1>");
    }

    ?>

</div>

<!-- Footer code -->
<div class="footer">
    <footer>
        <div class="footer-container">
            <a href="#"></a>
        </div>
    </footer>
<!-- End footer section -->
</div>

</body>
</html>

```

cd.php

```
<?php
```

```

    include 'auth.php';
    include 'config.php';
    $sql = "SELECT * FROM PRODUCT WHERE genre = 'cd'";
    $result = $conn->query($sql);
?>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CD</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="css/allproducts.css">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

```

```

<style>
    #main-site{
        padding-bottom: 5rem;
    }
    .footer{
        position: absolute;
        bottom: 0;
        width: 100%;
        height: 2.5rem;
    }
</style>
</head>
<body>
<main id= "main-site">
    <nav class="nav-bar">
        <div class="nav">

```

```

        <div class="logo-image">
            <a href="homepage.php"></a>

        </div>

        <div class="nav-items">
            <a href="customer-page.php"></a>

            <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

            <div class="cart">
                <ul>
                    <li class="dropdown_header_cart">
                        <div class="shopping-cart">
                            <a style= "padding-right: 30px;"
href="cart.php"></a>
                        </div>
                    </li>
                </ul>
            </div>
            <div class="logout">
                <div class="login-btn">
                    <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
                </div>
            </div>
        </div>
        <ul class="cat-list">

            <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>
            <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>

```

```

        <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>
        <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

    </ul>
</nav>
<h2 class="product-category">CD</h2>

<!-- all product section -->
<section class="product">
    <div class="product-section">
        <?php
            while($row = $result->fetch_assoc()){
                ?>
                <div class="product-container">
                    <div class="product-card">
                        <div class="product-image">
                            
                            <form method="post" action="product.php">
                                <input type="hidden" name="productID"
value="<?php echo $row['itemID']; ?>">
                                <input type="hidden" name="name"
value="<?php echo $row['name']; ?>">
                                <input type="hidden" name="genre"
value="<?php echo $row['genre']; ?>">
                                <input type="hidden" name="stock"
value="<?php echo $row['stock']; ?>">
                                <input type="hidden" name="cost"
value="<?php echo $row['cost'] ;?>">
                                <input type="hidden" name="desc_path"
value="<?php echo $row['desc_path']; ?>">
                                <input type="submit" class="card-btn"
name="submit" value="Go To Product">
                            </form>
                        </div>

```



```

        <div class="product-info">
            <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
            <p class="product-des"><?php echo
$row['desc_path'] ?></p>
            <span class="price"><?php echo '$',
$row['cost'] ?></span>
        </div>
    </div>
</div>
<?php }
?>
</div>
</section>

<!-- end of product section -->

</body>
</html>

```

checkout.php

```
<?php
```

```

    session_start();

    include 'auth.php';

    // if(!isset($_SESSION['cart_items']) || empty($_SESSION['cart_items']))
    // {
    //     header('location:index.php');
    //     exit();
    // }

    require_once('config.php');

    $cartItemCount = count($_SESSION['cart_items']);

    //pre($_SESSION);

    if(isset($_POST['submit']))
    {

        if(isset($_POST['first_name'], $_POST['last_name'], $_POST['email'], $_POST['address'],
        $_POST['country'], $_POST['state'], $_POST['zipcode'])) &&
        !empty($_POST['first_name']) && !empty($_POST['last_name']) &&
        !empty($_POST['email']) && !empty($_POST['address']) &&
        !empty($_POST['country']) && !empty($_POST['state']) &&
        !empty($_POST['zipcode']))
        {
            $firstName = $_POST['first_name'];

            if(filter_var($_POST['email'], FILTER_VALIDATE_EMAIL) == false)
            {
                $errorMsg[] = 'Please enter valid email address';
            }
            else
            {
                //validate_input is a custom function
                //you can find it in helpers.php file
                $firstName = validate_input($_POST['first_name']);
                $lastName = validate_input($_POST['last_name']);
                $email = validate_input($_POST['email']);
                $address = validate_input($_POST['address']);
            }
        }
    }

```

```

        $address2 =
(!empty($_POST['address'])?validate_input($_POST['address']):'');
        $country = validate_input($_POST['country']);
        $state = validate_input($_POST['state']);
        $zipcode = validate_input($_POST['zipcode']);

        $sql = 'insert into orders (first_name, last_name, email,
address, address2, country, state, zipcode, order_status,created_at,
updated_at) values (:fname, :lname, :email, :address, :address2, :country,
:state, :zipcode, :order_status,:created_at, :updated_at)';
        $statement = $db->prepare($sql);
        $params = [
            'fname' => $firstName,
            'lname' => $lastName,
            'email' => $email,
            'address' => $address,
            'address2' => $address2,
            'country' => $country,
            'state' => $state,
            'zipcode' => $zipcode,
            'order_status' => 'confirmed',
            'created_at'=> date('Y-m-d H:i:s'),
            'updated_at'=> date('Y-m-d H:i:s')
        ];

        $statement->execute($params);
        if($statement->rowCount() == 1)
        {

            $getOrderID = $db->lastInsertId();

            if(isset($_SESSION['cart_items']) ||
!empty($_SESSION['cart_items']))
            {
                $sqlDetails = 'insert into order_details (order_id,
product_id, product_name, product_price, qty, total_price)
values (:order_id,:product_id,:product_name,:product_price,:qty,:total_price)';
                $orderDetailStmt = $db->prepare($sqlDetails);
            }
        }
    }
}

```

```

        $totalPrice = 0;
        foreach($_SESSION['cart_items'] as $item)
        {
            $totalPrice+=$item['total_price'];

            $paramOrderDetails = [
                'order_id' => $getOrderID,
                'product_id' => $item['product_id'],
                'product_name' => $item['product_name'],
                'product_price' => $item['product_price'],
                'qty' => $item['qty'],
                'total_price' => $item['total_price']
            ];

            $orderDetailStmt->execute($paramOrderDetails);
        }

        $updateSql = 'update orders set total_price = :total
where id = :id';

        $rs = $db->prepare($updateSql);
        $prepareUpdate = [
            'total' => $totalPrice,
            'id' => $getOrderID
        ];

        $rs->execute($prepareUpdate);

        unset($_SESSION['cart_items']);
        $_SESSION['confirm_order'] = true;
        header('location:thank-you.php');
        exit();
    }
}
else
{

```

```
        $errorMsg[] = 'Unable to save your order. Please try
again';
    }
}
else
{
    $errorMsg = [];

    if(!isset($_POST['first_name']) || empty($_POST['first_name']))
    {
        $errorMsg[] = 'First name is required';
    }
    else
    {
        $fnameValue = $_POST['first_name'];
    }

    if(!isset($_POST['last_name']) || empty($_POST['last_name']))
    {
        $errorMsg[] = 'Last name is required';
    }
    else
    {
        $lnameValue = $_POST['last_name'];
    }

    if(!isset($_POST['email']) || empty($_POST['email']))
    {
        $errorMsg[] = 'Email is required';
    }
    else
    {
        $emailValue = $_POST['email'];
    }

    if(!isset($_POST['address']) || empty($_POST['address']))
    {

```

```
        $errorMsg[] = 'Address is required';
    }
    else
    {
        $addressValue = $_POST['address'];
    }

    if(!isset($_POST['country']) || empty($_POST['country']))
    {
        $errorMsg[] = 'Country is required';
    }
    else
    {
        $countryValue = $_POST['country'];
    }

    if(!isset($_POST['state']) || empty($_POST['state']))
    {
        $errorMsg[] = 'State is required';
    }
    else
    {
        $stateValue = $_POST['state'];
    }

    if(!isset($_POST['zipcode']) || empty($_POST['zipcode']))
    {
        $errorMsg[] = 'Zipcode is required';
    }
    else
    {
        $zipCodeValue = $_POST['zipcode'];
    }

    if(isset($_POST['address2']) || !empty($_POST['address2']))
    {
        $address2Value = $_POST['address2'];
    }
```

```

    }

}

}

$pageTitle = 'Demo PHP Shopping cart checkout page with Validation';
$metaDesc = 'Demo PHP Shopping cart checkout page with Validation';

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="<?php echo
(isset($metaDesc)?$metaDesc:'Demo PHP Shopping Cart')?>">
    <meta name="author" content="name">

    <title><?php echo (isset($pageTitle)?$pageTitle:'PHP Shopping
Cart')?></title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknL
PMO" crossorigin="anonymous">

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.3.0/font/bootstrap-icons.c
ss">
</head>
<body>
<div class="row mt-3">
    <div class="col-md-4 order-md-2 mb-4">
        <h4 class="d-flex justify-content-between align-items-center mb-3">
            <span class="text-muted">Your cart</span>
            <span class="badge badge-secondary badge-pill"><?php echo
$cartItemCount;?></span>

```

```

        </h4>
        <ul class="list-group mb-3">
            <?php
                $total = 0;
                foreach($_SESSION['cart_items'] as $cartItem)
                {
                    $total+=$cartItem['total_price'];
                }
                <li class="list-group-item d-flex justify-content-between
lh-condensed">
                    <div>
                        <h6 class="my-0"><?php echo
$cartItem['product_name'] ?></h6>
                        <small class="text-muted">Quantity: <?php echo
$cartItem['qty'] ?> X Price: <?php echo $cartItem['product_price'] ?></small>
                    </div>
                    <span class="text-muted">$<?php echo
$cartItem['total_price'] ?></span>
                </li>
            <?php
                }
            ?>

            <li class="list-group-item d-flex justify-content-between">
                <span>Total (USD)</span>
                <strong>$<?php echo number_format($total,2);?></strong>
            </li>
        </ul>
    </div>
    <div class="col-md-8 order-md-1">
        <h4 class="mb-3">Billing address</h4>
        <?php
            if(isset($errorMsg) && count($errorMsg) > 0)
            {
                foreach($errorMsg as $error)
                {
                    echo '<div class="alert alert-danger">'.$error.'</div>';
                }
            }
        </?php
    </div>

```



```

    }
    ?>
    <form class="needs-validation" method="POST">
        <div class="row">
            <div class="col-md-6 mb-3">
                <label for="firstName">First name</label>
                <input type="text" class="form-control" id="firstName"
name="first_name" placeholder="First Name" value="<?php echo
(isset($fnameValue) && !empty($fnameValue)) ? $fnameValue:'' ?>" >
            </div>
            <div class="col-md-6 mb-3">
                <label for="lastName">Last name</label>
                <input type="text" class="form-control" id="lastName"
name="last_name" placeholder="Last Name" value="<?php echo (isset($lnameValue)
&& !empty($lnameValue)) ? $lnameValue:'' ?>" >
            </div>
        </div>

        <div class="mb-3">
            <label for="email">Email</label>
            <input type="email" class="form-control" id="email" name="email"
placeholder="you@example.com" value="<?php echo (isset($emailValue) &&
!empty($emailValue)) ? $emailValue:'' ?>" >
        </div>

        <div class="mb-3">
            <label for="address">Address</label>
            <input type="text" class="form-control" id="address"
name="address" placeholder="1234 Main St" value="<?php echo
(isset($addressValue) && !empty($addressValue)) ? $addressValue:'' ?>" >
        </div>

        <div class="mb-3">
            <label for="address2">Address 2 <span
class="text-muted">(Optional)</span></label>
            <input type="text" class="form-control" id="address2"
name="address2" placeholder="Apartment or suite" value="<?php echo
(isset($address2Value) && !empty($address2Value)) ? $address2Value:'' ?>" >

```

```

    </div>

    <div class="row">
        <div class="col-md-5 mb-3">
            <label for="country">Country</label>
            <select class="custom-select d-block w-100" name="country"
id="country" >
                <option value="">Choose...</option>
                <option value="United States" >United States</option>
            </select>
        </div>
        <div class="col-md-4 mb-3">
            <label for="state">State</label>
            <select class="custom-select d-block w-100" name="state"
id="state" >
                <option value="">Choose...</option>
                <option value="California">California</option>
            </select>
        </div>
        <div class="col-md-3 mb-3">
            <label for="zip">Zip</label>
            <input type="text" class="form-control" id="zip" name="zipcode"
placeholder="" value="{?php echo (isset($zipCodeValue) &&
!empty($zipCodeValue)) ? $zipCodeValue:' ' ?}" >
        </div>
    </div>
    <hr class="mb-4">

    <h4 class="mb-3">Payment</h4>

    <div class="d-block my-3">
        <div class="custom-control custom-radio">
            <input id="cashOnDelivery" name="cashOnDelivery" type="radio"
class="custom-control-input" checked="" >
            <label class="custom-control-label" for="cashOnDelivery">Cash
on Delivery</label>
        </div>
    </div>

```

```
<hr class="mb-4">
<button class="btn btn-primary btn-lg btn-block" type="submit"
name="submit" value="submit">Continue to checkout</button>
</form>
</div>
</div>
</body>
</html>
```

config.php

```
<?php
session_start();

$host = "localhost"; /* Host name */
```

```
$user = "rochaa6_Admin1"; /* User */
$password = "Baseball97!"; /* Password */
$dbname = "rochaa6_beatlesMerch"; /* Database name */

$conn = mysqli_connect($host, $user, $password, $dbname);
// Check connection
if (!$conn) {
    die("Error". mysqli_connect_error());
}
```

customer-page.php

```
<?php

session_start();
include 'auth.php';
```

```
include 'config.php';
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <title>Penny Lane</title>
```

```
    <link rel="stylesheet" href="css/index.css">
```

```
<style>
```

```
    table {
```

```
        margin: 0 auto;
```

```
        font-size: large;
```

```
        border: 1px solid black;
```

```
    }
```

```
    td {
```

```
        background-color: #E4F5D4;
```

```
        border: 1px solid black;
```

```
    }
```

```
    th,
```

```
    td {
```

```
        font-weight: bold;
```

```
        border: 1px solid black;
```

```
        padding: 10px;
```

```
        text-align: center;
```

```
    }
```

```
    td {
```

```
        font-weight: lighter;
```

```
    }
```

```

        h1, h2{
            background-color: #CFCFCF;
            border: 5px solid grey;
            text-align:center;
            margin: 50px;
            font-size: 50px;
        }
    </style>

</head>
<body>
    <nav class="nav-bar">
        <div class="nav">

            <div class="logo-image">
                <a href="homepage.php"></a>

            </div>

            <div class="nav-items">
                <a href="customer-page.php"></a>

                <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

                <div class="cart">
                    <ul>
                        <li class="dropdown_header_cart">
                            <div class="shopping-cart">
                                <a style= "padding-right: 30px;"
href="cart.php"></a>
                            </div>
                        </li>
                    </ul>
                </div>

```

```

        <div class="logout">
            <div class="login-btn">
                <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
            </div>
        </div>
    </div>
</div>
    <ul class="cat-list">

        <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>
        <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>
        <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>
        <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

    </ul>
</nav>

<div style = "overflow-x:auto;" class="customer-info" >
    <div style="text-align:center;">

        <?php

            $mysqli = new mysqli($host, $user, $password, $dbname);

            $sql_account = "SELECT username, email, f_name, l_name FROM
CUSTOMER WHERE username = '". $_SESSION['user'] ."'";
            $result = $mysqli->query($sql_account);
            $mysqli->close();

            // print those products in a table

```

```

$username=$_SESSION['user'];

?>

<h1>Account Details</h1>
<!-- TABLE CONSTRUCTION-->
<table>
    <tr>
        <th>Username</th>
        <th>Email</th>
        <th>First name</th>
        <th>Last name</th>
    </tr>
    <!-- PHP CODE TO FETCH DATA FROM ROWS-->
    <?php // LOOP TILL END OF DATA
        while($rows=$result->fetch_assoc())
        {
            ?>
            <tr>
                <!--FETCHING DATA FROM EACH
                ROW OF EVERY COLUMN-->
                <td><?php echo $rows['username'];?></td>
                <td><?php echo $rows['email'];?></td>
                <td><?php echo $rows['f_name'];?></td>
                <td><?php echo $rows['l_name'];?></td>
            </tr>
            <?php
            }
            ?>
        </table>
    </div>
</div>

<h2>View Purchase History</h2>

<div>
    <!--<table class="table">-->
    <!-- <thead>-->

```



```
<!--      <tr>-->
<!--      <th class="text-center">ID</th>-->
<!--      <th class="text-center">PRODUCT</th>-->
<!--      <th class="text-center">STATUS</th>-->
<!--      <th class="text-center">DATE</th>-->
<!--      <th class="text-center">PAYMENT</th>-->
<!--      <th class="text-center">TRANSACTION ID</th>-->
<!--    </tr>-->
<!--  </thead>-->
<!--</table>-->

<!-- code to generate a table for each previous order -->
<?php
    //below query gets each previous order associated with a customer
from 'orders' table
    $sql_get_orderIDs = "SELECT orderID FROM HAS_ORDER WHERE customerID
= '". $username. "'";
    $sql_get_orders = "SELECT * FROM ORDERS WHERE orderID IN
('".$sql_get_orderIDs.")";
    $sql_orderby = " ORDER BY ordered_date desc";
    $result_orders = $conn->query($sql_get_orders.$sql_orderby);

    //while loop through previous orders
    while($cur_order = $result_orders->fetch_assoc()){
    ?>

    <div class="table-responsive">
        <!-- set up individual table headers -->

        <table class="table">
            <tr>
                <th>orderID</th>
                <th>Status</th>
                <th>Date of Purchase</th>
                <th>Total Cost</th>
```

```

        </tr>
        <tr>
            <td> <?php echo $cur_order['orderID'] ?> </td>
            <td> <?php echo $cur_order['status'] ?> </td>
            <td> <?php echo $cur_order['ordered_date'] ?>
        </td>

        <?php
            //calculate product total:
            $sql_a_c="SELECT sum(amount*cost) as cost FROM
";
            $sql_join="(IN_ORDER INNER JOIN PRODUCT ON
IN_ORDER.itemID=PRODUCT.itemID)";
            $sql_where=" WHERE IN_ORDER.orderID=
".$cur_order['orderID'];
            $result_cart_total=
$conn->query($sql_a_c.$sql_join.$sql_where);
            $var_total = $result_cart_total ->
fetch_assoc();
            $cart_total = $var_total['cost'];
        ?>

        <td> <?php print($cart_total); ?> </td> <!--
NOTE: 1000 is a placeholder value until we add prodcut costs -->
    </tr>
</table>

    <?php
        // get all the products in the current order being examined
        $sql_get_product_ID="SELECT itemID FROM IN_ORDER WHERE orderID
= ".$cur_order['orderID'];
        $sql_get_products = "SELECT itemID, name, genre, stock, cost
FROM PRODUCT WHERE itemID IN ( ".$sql_get_product_ID." )";
        $result_products = $conn->query($sql_get_products);

        // print those products in a table
        if ($result_products->num_rows > 0) {
            $count=0;

```

```

        //output query results by row
        echo '<div style="height: 150px; overflow: auto">';
        echo '<table style= "border: solid black 1px; height:
10px">';

        echo '<tr> <th>itemID</th> <th>name</th> <th>genre</th>
<th>quantity</th> <th>cost</th></tr>';

        while($row = $result_products->fetch_assoc()) {

            echo "<tr>";
            $loop_itemID="";
            foreach ($row as $key => $value) {

                if ($key=='itemID'){
                    $loop_itemID=$value;
                }

                if ($key!='stock'){
                    echo "<td>".$value."</td>";
                }
                else{
                    $sql_loopamount="SELECT amount FROM IN_ORDER
where ( (itemID= ".$loop_itemID.") AND ( orderID= ".$cur_order['orderID'].") )";
                    $result_loopamount=$conn ->
query($sql_loopamount);
                    $var_loopamount= $result_loopamount ->
fetch_assoc();
                    $loopamount = $var_loopamount['amount'];
                    echo "<td>".$loopamount."</td>";
                }
            }
            echo "</tr>";
            $count+=1;
        }
        echo "</table>";
        echo "</div><br><br><br>";
    }

    //displays "0 results" if no products

```

```

        else {
            echo "<br><br> 0 results";
        }
    }
?>
</div>
</div>

```

```

<footer>
    <div class="footer-container">
        <a href="#"></a>
    </div>
</footer>
</body>
</html>

```

employee_page.php

```

<?php
session_start();
include 'auth.php';
?>
<html>

```

```

<?php
    $servername = "localhost";
    $dbUsername = "rochaa6_Admin1";
    $dbPass = "Baseball97!";
    $dbName = "rochaa6_beatlesMerch";

    // Create/check connection
    $conn = new mysqli($servername, $dbUsername, $dbPass, $dbName);
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
?>

```

```

<?php
    // define employeeID for testing
    //define( "employeeID", "staff1");
    define("employeeID",$_SESSION['user']);
    echo "<h6> current employee is: ".$_SESSION['user']."</h6>";
?>

```

```

<style>

```

```

    a{
        text-decoration: none;
        Color: black;
        Padding: 0.5em;
        background-color: lightgrey;
        border: 5px solid grey;
        border-radius: 50px;
    }
    a:hover{
        background-color: grey;
        color: white;
    }

```

```

    h1, h2{
        text-align: center;
    }

```

```

    }

    button {
        border:5px solid grey;
        padding: 10px 27px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        text-align: center;
        border-radius: 50px;
    }

    button:hover{
        cursor: pointer;
    }
</style>
<body>
    <h1 style = "background-color: #CFCFCF; border: 5px solid grey;
text-align:center;"> Employee Page</h1>
    <div class="login-btn">
        <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
    </div>

    <h2 style = "padding-top: 30px;"> List of cases assigned to you </h2>
    <p style="border: 5px solid grey; text-align:center; padding: 10px;">
    <?php

        //query orders currently assigned to the given admin
        $sql_select_orders = "SELECT * FROM ORDERS WHERE orderID IN ";
        $sql_get_emp_orders = "(SELECT orderID FROM HAS_ORDER WHERE
employeeID ="."'".employeeID.'"')";
        $result_orders =
$conn->query($sql_select_orders.$sql_get_emp_orders);

```

```

        if ($result_orders->num_rows > 0) {

            //output query results by row
            echo "<table>";
            echo ' <th> <td>orderID</td> <td>ordered_date</td>
<td>status</td> </th>';
            while($row = $result_orders->fetch_assoc()) {
                echo "<tr>";
                foreach ($row as $key => $value){
                    echo "<td>".$value."</td>";
                }
                echo "</tr>";
            }
            echo "</table>";
        }
        else {
            //displays "0 results" if nothing matched
            echo "<br><br> 0 results";
        }
    ?>
</p>

</body>

<body>
    <h1 style = "padding-top: 30px;"> Change Case Status </h1>

    <form method="post" style="border: 5px solid grey; text-align:center;
padding: 10px;">
        <h4> Select a case, and the state you wish to assign:<br></h4>

        pick status value:
        <label for="complete">complete</label>

```

```

        <input type="radio" id="complete" name="status" value="1">
        <label for="incomplete">incomplete</label>
        <input type="radio" id="incomplete" name="status" value="0">
    <br>
    <br>
    On orderID:
        <label for="orderID"></label><br>
        <input type="text" id="orderID" name="orderID">

    <input type="submit" name="submit" value="submit assignment">
</form>

<?php
    $orderID=$_POST['orderID'];
    $status=$_POST['status'];

    $sql_change_status="UPDATE ORDERS SET status = $status WHERE
orderID = '$orderID'";
    $conn->query($sql_change_status);

    echo "<br> New order state: <br>";

    $sql_get_order = "SELECT * FROM ORDERS WHERE orderID='$orderID'";
    $result_update = $conn->query($sql_get_order);

    if ($result_update->num_rows > 0) {
        //output query results by row
        echo "<table>";
        echo '<th> <td>orderID</td> <td>ordered_date</td>
<td>status</td> </th>';
        while($row = $result_update->fetch_assoc()) {
            echo "<tr>";
            foreach ($row as $key => $value){
                echo "<td>".$value."</td>";
            }
            echo "</tr>";
        }
        echo "</table>";
    }

```



```
    }  
    else {  
        //displays "0 results" if nothing matched  
        echo "<br><br> 0 results";  
    }  
    ?>
```

```
</body>
```

```
</html>
```

homepage.php

```
<?php  
session_start();  
include 'auth.php';  
include 'config.php';
```

?>

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Penny Lane</title>

  <link rel="stylesheet" href="css/index.css">

</head>
<body>
  <!--navigation section that is displayed on every page-->
  <nav class="nav-bar">
    <div class="nav">

      <div class="logo-image">
        <a href="homepage.php"></a>

      </div>

      <div class="nav-items">
        <a href="customer-page.php"></a>

        <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

      <div class="cart">
        <ul>
          <li class="dropdown_header_cart">
            <div class="shopping-cart">
              <a style= "padding-right: 30px;"
href="cart.php"></a>
            </div>
          </li>
```

```

        </ul>
    </div>
    <div class="logout">
        <div class="login-btn">
            <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
        </div>
    </div>
</div>
<ul class="cat-list">

    <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>

    <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>

    <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>

    <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

</ul>
</nav>

<!-- Header Section with title start -->
<header class="hero-section">
    <div class="content">
        <div class="image-container">
            <div class="text">Penny Lane </div>
        </div>
    </div>
</header>
<!-- End of header section -->

<!-- category section: allow customer to shop by specific categories -->
<div class="cat-section">
    <h2 class="Category-title">Shop By Categories</h2>

```

```

    <section class="category-container">
        <a href="vinyl.php" class="collection">
            
            <p class="collection-title"> Vinyl</p>
        </a>
        <a href="cd.php" class="collection">
            
            <p class="collection-title"> CD</p>
        </a>
        <a href="apparel.php" class="collection">
            
            <p class="collection-title"> Apparel</p>
        </a>
    </section>
    <section class="category-container-two">
        <a href="poster.php" class="collection ">
            
            <p class="collection-title"> Posters</p>
        </a>
        <a href="misc.php" class="collection">
            
            <p class="collection-title"> Misc.</p>
        </a>
    </section>
</div>
<!-- End category section -->

<footer>
    <div class="footer-container">
        <a href="#"></a>
    </div>
</footer>
<!-- End footer section -->
</body>
</html>

```

login.php

```
<?php
session_start;
require("config.php");
```

```

$username = $_POST['user'];
$password = $_POST['pass'];
$_SESSION['user'] = $username;
$_SESSION['pass'] = $password;

// customer query
$sql_customer = "SELECT password FROM CUSTOMER WHERE username='$username'";
$result_customer = $conn->query($sql_customer);
$table_customer = mysqli_fetch_array($result_customer, MYSQLI_ASSOC);
//echo "<h6> $sql_customer <br> customer try:
".$table_customer['password']. "</h6><br><br>";

if ($table_customer && password_verify($password,
$table_customer['password'])) {
    header("Location: homepage.php");
    exit();
}

// // // Mysql_num_row is counting the table rows
// // $count=mysqli_num_rows($table_customer);

// // If the result matched $username and $password, the table row must be
one row
// if($table_customer == 1){
//     session_start();
//     $_SESSION['loggedin'] = true;
//     $_SESSION['user'] = $username;
// }

// staff data
$sql_staff = "SELECT passcode, staff_group FROM STAFF WHERE
username='$username'";
$result_staff = $conn->query($sql_staff);
$table_staff = mysqli_fetch_array($result_staff, MYSQLI_ASSOC);
//echo "<h6> $sql_staff <br> staff try: ".$table_staff['passcode'].
".$table_staff['staff_group']. "</h6><br><br>";

```

```

    if ($table_staff && password_verify($password, $table_staff['passcode'])) {

        $staff_group=$table_staff['staff_group'];
        switch ($staff_group){
            case "owner":
                header("Location: owner_page.php");
                exit();
                break;
            case "admin":
                header("Location: admin_page.html");
                exit();
                break;
            case "employee":
                header("Location: employee_page.php");
                exit();
                break;
        }
        exit();
    }
}

```

```
?>
```

```
<html>
```

```
<head>
```

```
    <title>Login</title>
```

```
    <!--// insert style.css file inside index.html -->
```

```
    <link rel = "stylesheet" type = "text/css" href = "style.css">
```

```
    <link rel="stylesheet"
```

```
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
">
```

```
</head>
```

```
<body>
```

```

<div class = "container" id = "frm">
    <div class="row">
        <div class='col-md-12'>
            <h2>Login</h2>
        </div>
        <div class="col-md-6">
            <form name="f1" action = "" onsubmit = "return validation()"
method = "POST">
                <div class="form-group">
                    <label> UserName: </label>
                    <input type = "text" class="form-control" id ="user"
name = "user" />
                </div>
                <div class="form-group">
                    <label> Password: </label>
                    <input type = "password" class="form-control" id
="pass" name = "pass" />
                </div>
                <div class="form-group">
                    <input type = "submit" id = "btn" value = "Login" />
                </div>

                <p>Dont have an Account? <a href="register.php">SignUp
Here</a>.</p>

            </form>
        </div>
    </div>
</div>
<!-- validation for empty field -->

<script>
    function validation()
    {
        var id=document.f1.user.value;
        var ps=document.f1.pass.value;

```



```
        if(id.length==" " && ps.length=="") {  
            alert("User Name and Password fields are empty");  
            return false;  
        }  
        else  
        {  
            if(id.length=="") {  
                alert("User Name is empty");  
                return false;  
            }  
            if (ps.length=="") {  
                alert("Password field is empty");  
                return false;  
            }  
        }  
    }  
    </script>  
</body>  
</html>
```

logout.php

```
<?php  
  
session_start();
```

```
if(session_destroy()){  
    header("location: login.php");  
    exit;  
}  
  
?>
```

misc.php

```
<?php  
    include 'auth.php';  
    include 'config.php';  
    $sql = "SELECT * FROM PRODUCT WHERE genre = 'misc'";
```

```

    $result = $conn->query($sql);
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Misc.</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="css/allproducts.css">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

<style>
    #main-site{
        padding-bottom: 5rem;
    }
    .footer{
        position: absolute;
        bottom: 0;
        width: 100%;
        height: 2.5rem;
    }
</style>
</head>
<body>
<main id= "main-site">
    <nav class="nav-bar">
        <div class="nav">

            <div class="logo-image">

```

```

        <a href="homepage.php"></a>

```

```

    </div>

```

```

    <div class="nav-items">

```

```

        <a href="customer-page.php"></a>

```

```

        <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

```

```

    <div class="cart">

```

```

        <ul>

```

```

            <li class="dropdown_header_cart">

```

```

                <div class="shopping-cart">

```

```

                    <a style= "padding-right: 30px;"
href="cart.php"></a>

```

```

                </div>

```

```

            </li>

```

```

        </ul>

```

```

    </div>

```

```

    <div class="logout">

```

```

        <div class="login-btn">

```

```

            <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>

```

```

        </div>

```

```

    </div>

```

```

    </div>

```

```

    </div>

```

```

    <ul class="cat-list">

```

```

        <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>

```

```

        <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>

```

```

        <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>

```

```

        <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

    </ul>
</nav>
<h2 class="product-category">Misc</h2>

<!-- all product section -->
<section class="product">
    <div class="product-section">
        <?php
            while($row = $result->fetch_assoc()){
        ?>
            <div class="product-container">
                <div class="product-card">
                    <div class="product-image">
                        
                        <form method="post" action="product.php">
                            <input type="hidden" name="productID"
value="<?php echo $row['itemID']; ?>">
                            <input type="hidden" name="name"
value="<?php echo $row['name']; ?>">
                            <input type="hidden" name="genre"
value="<?php echo $row['genre']; ?>">
                            <input type="hidden" name="stock"
value="<?php echo $row['stock']; ?>">
                            <input type="hidden" name="cost"
value="<?php echo $row['cost'] ;?>">
                            <input type="hidden" name="desc_path"
value="<?php echo $row['desc_path']; ?>">
                            <input type="submit" class="card-btn"
name="submit" value="Go To Product">
                        </form>
                    </div>
                    <div class="product-info">

```

```

        <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
        <p class="product-des"><?php echo
$row['desc_path'] ?></p>
        <span class="price"><?php echo '$',
$row['cost'] ?></span>
    </div>
</div>
</div>
    <?php }
    ?>
</div>
</section>

    <!-- end of product section -->
</body>
</html>

```

owner_page.php

```

<?php
session_start();

```

```

include 'auth.php';
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Owner Page</title>

    <link rel="stylesheet" href="css/index.css">

    <style>

        button {
            border:5px solid grey;
            padding: 10px 27px;
            text-align: center;
            text-decoration: none;
            display: inline-block;
            font-size: 16px;
            text-align: center;
            border-radius: 50px;

        }
        h1{
            background-color: #CFCFCF;
            border: 5px solid grey;
            text-align:center;
            margin: 50px;
            font-size: 50px;
        }

    </style>
</head>
<html>
    <?php
        $servername = "localhost";

```

```

        $dbUsername = "rochaa6_Admin1";
        $dbPass = "Baseball97!";
        $dbName = "rochaa6_beatlesMerch";

    ?>
    <body>
        <h1>Owner Page</h1>
        <div class="login-btn">
            <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
        </div>
        <br>
        <?php
            // Create/check connection
            $conn = new mysqli($servername, $dbUsername, $dbPass, $dbName);
            if ($conn->connect_error) {
                die("Connection failed: " . $conn->connect_error);
            }
        ?>

        <?php
            echo "<h6> curent user: ".$_SESSION['user']." <h6>";
        ?>

        <!-- form action to call search page -->
        <form method="post" style="border: 5px solid grey; text-align:center;
padding: 10px;">
            Select a category to search:<br>
            <select name="searchtype">
                <option value="name">name</option>
                <option value="genre">genre</option>
                <option value="itemID">ID</option>
            </select>
            <br>

```



```

        Enter Query:<br />
        <input name="searchterm" type="text" size="40">
        <br />
        <input type="submit" name="submit" value="input search keyword">
    </form>

    <!-- define/retrieve search input -->
    <?php
        // create short variable names
        $searchtype = $_POST["searchtype"];
        $searchterm = trim($_POST["searchterm"]);
        // define SQL query, and get result

        $sql_search = "SELECT * FROM PRODUCT WHERE
".$searchtype."='".$searchterm.'"";
        echo "<br><br>";
        $result = $conn->query($sql_search);

        if ($result->num_rows > 0) {
            $count=0;
            //output query results by row
            echo '<div style="height: 150px; overflow: auto">';
            echo '<table style="height: 400px">';
            echo '<th> <td>itemID</td> <td>name</td> <td> genre </td>
<td>stock</td> <td>cost</td> <td>desc</td> </th>';
            while($row = $result->fetch_assoc()) {
                echo "<tr>";
                foreach ($row as $key => $value){
                    echo "<td>".$value."</td>";
                }
                echo "</tr>";
                $count+=1;
            }
            echo "</table>";
            echo "</div>";
        }
        else {

```

```

        //displays "0 results" if nothing matched
        echo "<br><br> 0 results";
    }
?>

<br><br><br>

<!-- form action to change product info -->
<form method="post" style="border: 5px solid grey; text-align:center;
padding: 10px;">

    Enter product ID:<br>
    <input name="product_ID" type="text" size="40">
    <br>

    Change a products attribute :<br>
    <select name="product_attribute">
        <option value="stock">stock</option>
        <option value="cost">cost</option>
    </select>
    <br>

    Enter new attribute value:<br>
    <input name="new_value" type="text" size="40">
    <br>

    <input type="submit" name="submit" value="query update">

</form>

<!-- print old version of product to screen --!>
<?php
    $product_ID = $_POST["product_ID"];
    $product_attribute = trim($_POST["product_attribute"]);
    $new_value = $_POST["new_value"];

```

```

        if ( ($product_ID != null) and ($product_attribute != null) and
($new_value != null) ){
            echo "<br><br>old version:";

            $sql_find_original = "SELECT * FROM PRODUCT WHERE
itemID"."=".$product_ID;
            echo "<br>";
            $result_original = $conn->query($sql_find_original);

            if ($result_original->num_rows > 0) {
                $count=0;
                //output query results by row
                echo "<table>";
                echo '<th><td>itemID</td> <td>name</td> <td> genre </td>
<td>stock</td> <td>cost</td> <td>desc</td> </th>';
                while($row = $result_original->fetch_assoc()) {
                    echo "<tr>";
                    foreach ($row as $key => $value){
                        echo "<td>".$value."</td>";
                    }
                    echo "</tr>";
                    $count+=1;
                }
                echo "</table>";
            }
            else {
                //displays "0 results" if nothing matched
                echo "<br><br> 0 results";
            }

            echo "<br><br><br>New Version:<br>";

            $sql_product_update="UPDATE PRODUCT SET
".$product_attribute"."=".$new_value." WHERE itemID = ".$product_ID;
            echo $sql_product_update;

```

```

$conn->query($sql_product_update);

$sql_find_updated= "SELECT * FROM PRODUCT WHERE itemID
=".$product_ID;
echo "<br><br>";
$result_updated = $conn->query($sql_find_updated);

if ($result_updated->num_rows > 0) {
    $count=0;
    //output query results by row
    echo "<table>";
    echo '<th> <td>itemID</td> <td>name</td> <td> genre </td>
<td>stock</td> <td>cost</td> <td>desc</td> </th>';
    while($row = $result_updated->fetch_assoc()) {
        echo "<tr>";

        foreach ($row as $key => $value){
            echo "<td>".$value."</td>";
        }
        echo "</tr>";
        $count+=1;
    }
    echo "</table>";
}
else {
    //displays "0 results" if nothing matched
    echo "<br><br> 0 results";
}
}
else {
    echo "invalid input; try again";
}

?>

<!-- input a new product-->

```

```

    <form method="post" style="border: 5px solid grey; text-align:center;
padding: 10px;">
        <br>Input a new product:<br><br>
        <label for="name">name:</label>
        <input type="text" id="name" name="name">
        <br>

        genre:
        <input type="radio" id="vinyl" name="genre" value="vinyl">
        <label for="vinyl">vinyl</label>
        <input type="radio" id="cd" name="genre" value="cd">
        <label for="cd">cd</label>
        <input type="radio" id="apparel" name="genre" value="apparel">
        <label for="apparel">apparel</label>
        <input type="radio" id="poster" name="genre" value="poster">
        <label for="poster">poster</label>
        <input type="radio" id="misc" name="genre" value="misc">
        <label for="misc">misc</label>
        <br>

        <label for="stock">stock:</label>
        <input type="number" id="stock" name="stock" min="0">
        <br>

        <label for="cost">cost:</label>
        <input type="number" id="cost" name="cost" min="0">
        <br>

        <label for="desc_path" align = "right">description:</label>
        <textarea type="text" id="desc_path" name="desc_path" cols = "25"
rows = "10"></textarea>
        <br>

        <input type="submit" name="submit" value="query update">

    </form>

```

```

<?php
    //its bad to allow the user to assign an ID, so we
    //use an algorithm to assign it on the back end

    //1. query all of the IDs
    //2. input those IDs into a regular php array
    //3. sort that array so the largest element is at the 0th place
    //4. set the ID to the 0th place + 1

    //query to find new ID
    $sql_find_itemID = "SELECT itemID FROM PRODUCT";
    $result_itemIDs = $conn->query($sql_find_itemID);

    //get/build itemID array
    $itemID_array=array();
    while($row = $result_itemIDs->fetch_assoc()) {
        foreach ($row as $key => $value){
            $itemID_array[count($itemID)]=$value;
        }
    }

    //sort array
    rsort($itemID_array);

    $itemID = ($itemID_array[0]+1);
    $name = $_POST["name"];
    $genre=$_POST["genre"];
    $stock=$_POST["stock"];
    $cost=$_POST["cost"];
    $desc_path=$_POST["desc_path"];

    // //input product
    $sql_input_prodcut= "INSERT INTO PRODUCT VALUES ( ".$itemID.",
    ' ".$name."', ' ".$genre."', ".$stock.", ".$cost.", ' ".$desc_path."',
    ' ".$phot_path."');";
    $conn->query($sql_input_prodcut);

```

```

        //search and print query, to show things worked:
        $sql_find_new_input= "SELECT * FROM PRODUCT WHERE itemID
=$itemID;

        echo "<br><br>";
        $result_input = $conn->query($sql_find_new_input);

        if ($result_input->num_rows > 0) {
            //output query results by row
            echo "<table>";
            echo '<th> <td>itemID</td> <td>name</td> <td> genre </td>
<td>stock</td> <td>cost</td> <td>desc</td> </th>';
            while($row = $result_input->fetch_assoc()) {
                echo "<tr>";

                foreach ($row as $key => $value){
                    echo "<td>".$value."</td>";
                }
                echo "</tr>";
            }
            echo "</table>";
        }
        else {
            //displays "0 results" if nothing matched
            echo "<br><br> 0 results";
        }

    ?>

<?php
    $conn->close();
    ?>

</body>
</html>

```

poster.php

```
<?php
    include 'auth.php';
    include 'config.php';
```



```

    $sql = "SELECT * FROM PRODUCT WHERE genre = 'poster'";
    $result = $conn->query($sql);
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Posters</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="css/allproducts.css">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

<style>
    #main-site{
        padding-bottom: 5rem;
    }
    .footer{
        position: absolute;
        bottom: 0;
        width: 100%;
        height: 2.5rem;
    }
</style>
</head>
<body>
<main id= "main-site">
    <nav class="nav-bar">
        <div class="nav">

            <div class="logo-image">

```

```

        <a href="homepage.php"></a>

```

```

    </div>

```

```

    <div class="nav-items">

```

```

        <a href="customer-page.php"></a>

```

```

        <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

```

```

    <div class="cart">

```

```

        <ul>

```

```

            <li class="dropdown_header_cart">

```

```

                <div class="shopping-cart">

```

```

                    <a style= "padding-right: 30px;"
href="cart.php"></a>

```

```

                </div>

```

```

            </li>

```

```

        </ul>

```

```

    </div>

```

```

    <div class="logout">

```

```

        <div class="login-btn">

```

```

            <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>

```

```

        </div>

```

```

    </div>

```

```

    </div>

```

```

    </div>

```

```

    <ul class="cat-list">

```

```

        <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>

```

```

        <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>

```

```

        <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>

```



```

        <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
        <p class="product-des"><?php echo
$row['desc_path'] ?></p>
        <span class="price"><?php echo '$',
$row['cost'] ?></span>
    </div>
</div>
</div>
<?php }
?>
</div>
</section>

<!-- end of product section -->

</body>
</html>

```

product.php

```

<?php
include 'auth.php';

```

```
?>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Product</title>

  <link rel="stylesheet" href="css/index.css">
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

</head>
<body>
  <nav class="nav-bar">
    <div class="nav">

      <div class="logo-image">
        <a href="homepage.php"></a>

      </div>

      <div class="nav-items">

        <a href="#"></a>

      </div>

      <div class="cart">
        <ul>
          <li class="dropdown_header_cart">
            <div class="shopping-cart">
              <a href="cart.php"></a>
            </div>
          </li>
        </ul>
      </div>
    </div>
  </nav>
</body>
</html>
```

```

        </li>
    </ul>
</div>
<div class="logout">
    <div class="login-btn">
        <button class = "logoutbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
    </div>
</div>
</div>
</div>
<ul class="cat-list">

    <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>
    <li class="cat-item"><a href="allProducts.php" class="link">All
Products</a></li>
    <li class="cat-item"><a href="customer-page.php" class="link">My
Account</a></li>
    <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

</ul>
</nav>

<section id="product" class="py-3">
    <div class="container">
        <div class="row">
            <div class="col-sm-6">
                
                <div class="form-row pt-4 font-size-16 font-baloo">

```

```

        <div class="col">
            <form action="cart.php" method="post">
                <input type="hidden" name="productID"
value="<?php echo $_POST['productID']; ?>">
                <label for="quantity">quantity:</label>
                <input type="number" id="cost" name="quantity"
min="0" max= <?php echo $_POST['stock'] ?>>
                <input type="submit" class="btn btn-warning
form-control" value="Add to Cart" >
            </form>
        </div>

    </div>
</div>
    <div class="col-sm-6 py-5">
        <h5 class="font-baloo font-size-20"><?php echo
$_POST['name']; ?></h5>
        <div class="d-flex">
            <div class="rating text-warning font-size-12">
                <span><i class="fas fa-star"></i></span>
                <span><i class="fas fa-star"></i></span>
                <span><i class="fas fa-star"></i></span>
                <span><i class="fas fa-star"></i></span>
                <span><i class="far fa-star"></i></span>
            </div>

        </div>
        <hr class="m-0">

        <!--      product price      -->
        <table class="my-3">
            <tr class="font-rale font-size-14">
                <td>Price:</td>
                <td class="font-size-20 text-danger"><span>
<?php echo $_POST['cost']; ?> </span></td>

```

```

        </tr>
        <tr class="font-rale font-size-14">
            <td>Stock:</td>
            <td class="font-size-20 text-danger"><span>
<?php echo $_POST['stock']; ?> </span></td>
        </tr>

    </table>

    <!--      !product price      -->
    <hr>

    <div class="col-12">
        <h6 class="font-rubik">Product Description</h6>
        <hr>
        <p class="font-rale font-size-14"><?php echo
$_POST['desc_path']; ?> </p>
    </div>

    <div class="row">
        </div>
    </div>

</div>

</div>
</div>
</section>
<!--      !product      -->

</div>
</body>
</html>

```

register.php

```
<?php
```



```

session_start();

include("config.php");

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

    $fname = $_POST['fname'];

    $lname = $_POST['lname'];

    $email = $_POST['email'];

    $username = $_POST['username'];

    $password = $_POST['password'];

    $confirmpassword = $_POST['confirmpassword'];


    $hashedpwd = password_hash($password, PASSWORD_DEFAULT);


    if (!empty($username) && !empty($password) && !is_numeric($username)){

        $query_head= "INSERT INTO CUSTOMER VALUES";

        $query_tail="('$username', '$hashedpwd', '$email', '$fname', '$lname')";

        $conn->query($query_head.$query_tail);


        //set up union subqueries to get new cartID

        $sql_maxID = "SELECT max(ID) FROM ";

        $sql_UID_1 = "SELECT cartID as ID FROM CART";

        $sql_UID_2 = "SELECT orderID as ID FROM ORDERS";

        $alias = "as orderIDs";

        $sql_total = $sql_maxID."(".$sql_UID_1." UNION ".$sql_UID_2.")".$alias;
    }
}

```

```

//get new ID

$result_max = $conn -> query($sql_total);

$max = $result_max -> fetch_assoc();

$new_cartID=($max['max(ID)']+1);

//set up new cart

$sql_new_cart = "INSERT INTO CART VALUES( ".$new_cartID.",
'".$username."' )";

$conn->query($sql_new_cart);


header("Location: login.php");

die;

}

}

?>

<!DOCTYPE html>

<html>

<head>

    <title>Registration</title>

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
>

</head>

<body>

    <div class='container'>

        <div class='row'>

            <div class='col-md-12'>

                <h2></h2>

```

```
</div>
```

```
<div class='col-md-6' >
```

```
<form method='post' action=''>
```

```
<h1>SignUp</h1>
```

```
<?php
```

```
// Display Error message
```

```
if(!empty($error_message)){
```

```
?>
```

```
<div class="alert alert-danger">
```

```
<strong>Error!</strong> <?=$error_message ?>
```

```
</div>
```

```
<?php
```

```
}
```

```
?>
```

```
<?php
```

```
// Display Success message
```

```
if(!empty($success_message)){
```

```
?>
```

```
<div class="alert alert-success">
```

```
<strong>Success!</strong> <?=$success_message ?>
```

```
</div>

<?php
}
?>

<div class="form-group">
    <label for="fname">First Name:</label>
    <input type="text" class="form-control"
name="fname" id="fname" required="required" maxlength="80">
</div>

<div class="form-group">
    <label for="lname">Last Name:</label>
    <input type="text" class="form-control"
name="lname" id="lname" required="required" maxlength="80">
</div>

<div class="form-group">
    <label for="email">Email address:</label>
    <input type="email" class="form-control"
name="email" id="email" required="required" maxlength="80">
</div>

<div class="form-group">
    <label for="lname">Username</label>
    <input type="text" class="form-control"
name="username" id="username" required="required" maxlength="80">
</div>

<div class="form-group">
    <label for="password">Password:</label>
```

```

        <input type="password" class="form-control"
name="password" id="password" required="required" maxlength="80">

    </div>

    <div class="form-group">

        <label for="pwd">Confirm Password:</label>

        <input type="password" class="form-control"
name="confirmpassword" id="confirmpassword" required="required" maxlength="80">

    </div>

    <button type="submit" name="btnsignup" class="btn
btn-default">Submit</button>

    <p>Already have an account? <a href="login.php">Login
Here</a>.</p>

</form>

</div>

</div>

</div>

</body>

</html>

```

search_product.php

```

<?php
session_start();
include 'auth.php';

```

```

include 'config.php';
?>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Product</title>

  <link rel="stylesheet" href="css/index.css">
  <link rel="stylesheet" href="css/allproducts.css">
  <link rel="stylesheet" href="index.js">
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css
"
integrity="sha384-Vkoo8x4CGsO3+Hhvx8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9
Ifjh" crossorigin="anonymous">

  <style>
    body{
      position: relative;
      min-height: 100vh;
    }
    #main-site{
      padding-bottom: 5rem;
    }
    .footer{
      position: absolute;
      bottom: 0;
      width: 100%;
      height: 2.5rem;
    }
  </style>
</head>

```

```

<main id= "main-site">
    <nav class="nav-bar">
        <div class="nav">

            <div class="logo-image">
                <a href="homepage.php"></a>

            </div>

            <div class="nav-items">
                <a href="customer-page.php"></a>

                <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

                <div class="cart">
                    <ul>
                        <li class="dropdown_header_cart">
                            <div class="shopping-cart">
                                <a style= "padding-right: 30px;"
href="cart.php"></a>
                            </div>
                        </li>
                    </ul>
                </div>

                <div class="logout">
                    <div class="login-btn">
                        <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
                    </div>
                </div>
            </div>
            <ul class="cat-list">

```

```

        <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>
        <li class="cat-item"><a href="allProducts.php"
class="link">All Products</a></li>
        <li class="cat-item"><a href="customer-page.php"
class="link">My Account</a></li>
        <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

```

```

    </ul>
</nav>

<!-- form action to call search page -->
<div>
    <form method="post" style="border: 5px solid grey;
text-align:center; padding: 10px;">
        Select a category to search by:<br>
        <select name="searchtype">
            <option value="name">name</option>
            <option value="genre">genre</option>
            <option value="itemID">ID</option>
        </select>
        <br>
        Enter Search Term:<br />
        <input name="searchterm" type="text" size="40">
        <br />
        <input type="submit" name="submit" value="input search
keyword">
    </form>
    <!-- define/retrieve search input -->
    <?php
        // create short variable names
        $searchtype = $_POST["searchtype"];
        $searchterm = trim($_POST["searchterm"]);
        // define SQL query, and get result

```



```

        <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
        <p class="product-des"><?php echo
$row['desc_path'] ?></p>
        <span class="price"><?php echo '$',
$row['cost'] ?></span>
    </div>
</div>
</div>
    <?php }
    ?>
</div>
</section>
</div>
    <!-- end of product section -->

</body>
</html>

```

```

<?php
    include 'auth.php';
    include 'config.php';
    $sql = "SELECT * FROM PRODUCT WHERE genre = 'vinyl'";
    $result = $conn->query($sql);
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Vinyl</title>

    <link rel="stylesheet" href="css/index.css">
    <link rel="stylesheet" href="css/allproducts.css">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9I
fjh" crossorigin="anonymous">

<style>
    #main-site{
        padding-bottom: 5rem;
    }
    .footer{
        position: absolute;
        bottom: 0;
        width: 100%;
        height: 2.5rem;
    }
</style>
</head>
<body>
<main id= "main-site">

```

```

    <nav class="nav-bar">
        <div class="nav">

            <div class="logo-image">
                <a href="homepage.php"></a>

            </div>

            <div class="nav-items">
                <a href="customer-page.php"></a>

                <?php $username=$_SESSION['user'];echo "<p> Hello:
".$username."</p>" ?>

            <div class="cart">
                <ul>
                    <li class="dropdown_header_cart">
                        <div class="shopping-cart">
                            <a style= "padding-right: 30px;"
href="cart.php"></a>
                        </div>
                    </li>
                </ul>
            </div>
            <div class="logout">
                <div class="login-btn">
                    <button class = "loginbtn" type="button"
onclick="document.location='logout.php'">Logout</button>
                </div>
            </div>
        </div>
    </div>
    <ul class="cat-list">

        <li class="cat-item"><a href="homepage.php" class="link" id =
"home-item" >Home</a></li>

```

```

        <li class="cat-item"><a href="allProducts.php"
class="link">All Products</a></li>
        <li class="cat-item"><a href="customer-page.php"
class="link">My Account</a></li>
        <li class="cat-item"><a href="search_product.php"
class="link">Search Products</a></li>

    </ul>
</nav>
<h2 class="product-category">Vinyl</h2>

<!-- all product section -->
<section class="product">
    <div class="product-section">
        <?php
            while($row = $result->fetch_assoc()){
                ?>
                <div class="product-container">
                    <div class="product-card">
                        <div class="product-image">
                            
                            <form method="post" action="product.php">
                                <input type="hidden" name="productID"
value="<?php echo $row['itemID']; ?>">
                                <input type="hidden" name="name"
value="<?php echo $row['name']; ?>">
                                <input type="hidden" name="genre"
value="<?php echo $row['genre']; ?>">
                                <input type="hidden" name="stock"
value="<?php echo $row['stock']; ?>">
                                <input type="hidden" name="cost"
value="<?php echo $row['cost']; ?>">
                                <input type="hidden" name="desc_path"
value="<?php echo $row['desc_path']; ?>">
                                <input type="submit" class="card-btn"
name="submit" value="Go To Product">

```

```

        </form>
    </div>
    <div class="product-info">
        <h2 class="product-cat"><?php echo
$row['name']; ?></h2>
        <p class="product-des"><?php echo
$row['desc_path'] ?></p>
        <span class="price"><?php echo '$',
$row['cost'] ?></span>
    </div>
</div>
</div>
</div>
<?php }
?>
</div>
</section>

<!-- end of product section -->

</body>
</html>

```