

Ecommerce Web Application on Cloud foundry

Introduction:

This ecommerce web application is for handmade products. In phase 3, created the templates and created databases for stores the information of user and product details.

Database:

On Ibm cloud foundry, DB2 is free. This platform is used for database query for storing the information.

Program:

-- Create the database if it doesn't exist

```
CREATE DATABASE IF NOT EXISTS ecommerce_db;  
USE ecommerce_db;
```

-- Create a table for users

```
CREATE TABLE users (  
    user_id INT AUTO_INCREMENT PRIMARY KEY,  
    username VARCHAR(50) NOT NULL,  
    email VARCHAR(100) NOT NULL,  
    password_hash VARCHAR(255) NOT NULL  
);
```

-- Create a table for products

```
CREATE TABLE products (  
    product_id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(100) NOT NULL,  
    description TEXT,  
    price DECIMAL(10, 2) NOT NULL,  
    stock_quantity INT NOT NULL  
);
```

-- Create a table for orders

```
CREATE TABLE orders (  
    order_id INT AUTO_INCREMENT PRIMARY KEY,  
    user_id INT,  
    order_date TIMESTAMP NOT NULL,  
    FOREIGN KEY (user_id) REFERENCES users(user_id)  
);
```

-- Create a table for order items

```
CREATE TABLE order_items (  
    order_item_id INT AUTO_INCREMENT PRIMARY  
KEY,  
    order_id INT,
```

```
product_id INT,  
quantity INT NOT NULL,  
price DECIMAL(10, 2) NOT NULL,  
FOREIGN KEY (order_id) REFERENCES  
orders(order_id),  
FOREIGN KEY (product_id) REFERENCES  
products(product_id)  
);
```

```
-- Example data insertion (you can insert actual data)  
INSERT INTO users (username, email, password_hash)  
VALUES ('user1', 'user1@example.com',  
'hashed_password');
```

```
INSERT INTO products (name, description, price,  
stock_quantity)  
VALUES ('Product 1', 'Description of Product 1', 19.99,  
100);
```

```
INSERT INTO products (name, description, price,  
stock_quantity)  
VALUES ('Product 2', 'Description of Product 2', 29.99,  
50);
```

Templates:

Templates are created using front-end languages html, CSS.

Registration Template:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="author" content="tharun">
    <title>registration</title>
    <style>
      h2{
        text-align: center;
      }
      .title{
        font-family: 'Courier New', Courier, monospace;
        background-color: aqua;
        color: brown;
        margin-top: 0;
        height: 3rem;
        padding-top: 1rem;
      }
      section{
        border: 5px solid black;
        border-radius: 5px;
        padding-left: 2rem;
        padding-bottom: 1rem;
        width: 50%;
        position: absolute;
        left: 20rem;
      }
    </style>
  </head>
```

```

<body>
  <h2 class="title">SHOPPER</h2>
  <section>
    <h2>REGISTRATION</h2>
    <form method="post" action="https://httpbin.org/post">
      <P>
        <label for="first">Firstname:</label>
        <input type="text" name="first" id="first" required>
      </P>
      <P>
        <label for="last">Lastname:</label>
        <input type="text" name="last" id="last" required>
      </P>
      <p>
        <label for="number">Number:</label>
        <input type="number" name="number" id="number"
pattern="[0-9]3{0-9}3{0-9}4{0-9}" required>
      </p>
      <p>
        <label for="mail">E-mail Id:</label>
        <input type="email" name="mail" id="mail">
      </p>
      <p>
        <label for="address">Address:</label>
        <br>
        <textarea name="address" id="address" rows="5" cols="15">
</textarea>
      </p>
      <button type="submit">Submit</button>
    </form>
  </section>
</body>

```

</html>

Output:

SHOPPER

REGISTRATION

Firstname:

Lastname:

Number:

E-mail Id:

Address:

Login template:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

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

```
    <meta name="author" content="tharun">
```

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

```
    <style>
```

```
      section{
```

```
        border: 3px black solid;
```

```
        width:50%;
```

```
        padding:1rem;
```

```
        position:absolute;
```

```
        left:20rem;
```

```
        top:15rem;
```

```
      }
```

```
      h2{
```

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

```

    }
    .title{
        font-family: 'Courier New', Courier, monospace;
        background-color: aqua;
        color: brown;
        margin-top: 0;
        height: 3rem;
        padding-top: 1rem;
    }
</style>
</head>
<body>
    <h2 class="title">SHOPPER</h2>
    <section>
        <h2>LOGIN</h2>
        <form method="post" formaction="https://httpbin.org/post">
            <p>
                <label for="name">Username:</label>
                <input type="text" class="name" id="name" required>
            </p>
            <p>
                <label for="password">Password:</label>
                <input type="password" class="password" id="password" required>
            </p>
            <button type="submit">Login</button>
        </form>
    </section>
</body>
</html>

```

Output:



Home Template:

```
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<meta name="author" content="tharun">

<title>home</title>

<style>

.title{

    font-family: 'Courier New', Courier, monospace;

    background-color: aqua;

    color:brown;

    margin-top:0;

    height:3rem;

    padding-top: 1rem;

    text-align: center;

}

nav{

    border:5px solid black;

    background-color: beige;

}

li{

    display: inline-block;
```



```

        margin-left: 1rem;
    }

    li a {
        text-decoration: none;
    }

    article {
        margin-top: 1rem;
    }

    .one {
        float: right;
        font-size: 2rem;
        margin-right: 55rem;
    }

    footer {
        background-color: chartreuse;
        text-align: center;
    }

</style>
</head>
<body>
    <header>
        <h2 class="title">SHOPPER</h2>
        <nav>
            <li><a href="home.html">Home</a></li>
            <li><a href="cart.html">Cart</a></li>
            <li><a href="order.html">Orders</a></li>
            <li><a href="wish.html">wishlist</a></li>
            <li><a href="acc.html">My Account</a></li>
            <li><a href="note.html">Notifications</a></li>
        </nav>
    </header>
    <main>
        <article>
            <a href="product.html"></a>
            <section class="one">
                <p>Plant pot</p>

```

```

        <p>price:500 Rs</p>
    </section>
</article>
<article>
    <a href="product2.html"></a>
    <section class="one">
        <p>Basket</p>
        <p>price:200 Rs</p>
    </section>
</article>
<article>
    <a href="product3.html"></a>
    <section class="one">
        <p>Cup</p>
        <p>price:400 Rs</p>
    </section>
</article>
<article>
    <a href="product4.html"></a>
    <section class="one">
        <p>Wall decorate</p>
        <p>price:450 Rs</p>
    </section>
</article>
<article>
    <a href="product5.html"></a>
    <section class="one">
        <p>Hanging decor</p>
        <p>price:600 Rs</p>
    </section>
</article>
<article>
    <a href="product6.html"></a>
    <section class="one">
        <p>Cup Set</p>
        <p>price:500 Rs</p>
    </section>
</article>

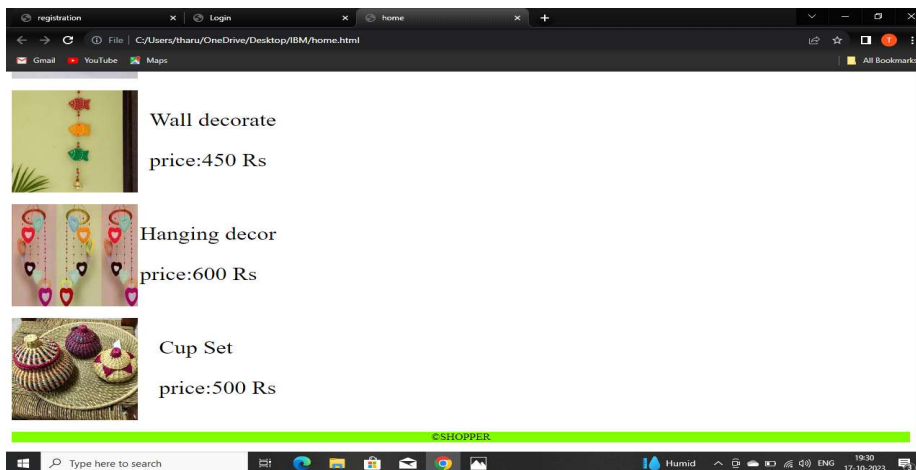
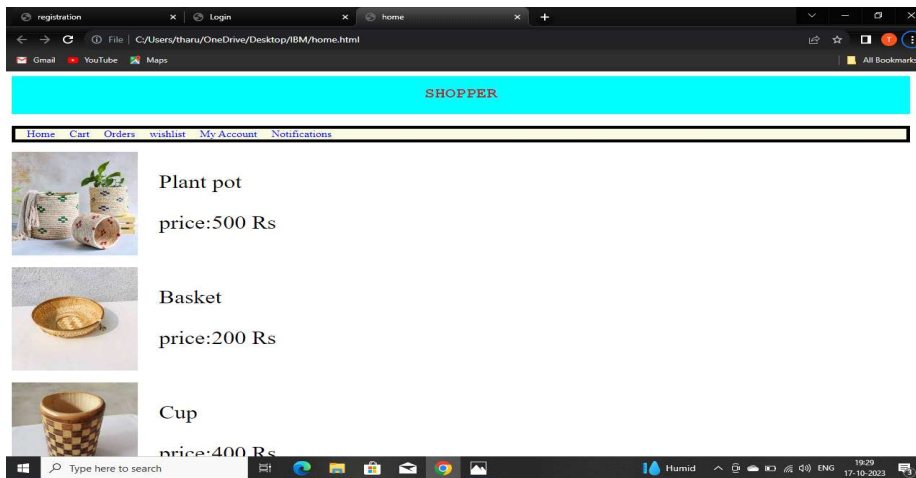
```

```

        </section>
    </article>
</main>
<footer>
    <p>&copy;SHOPPER</p>
</footer>
</body>
</html>

```

Output:



Product template:

```
<!DOCTYPE html>

<html>

  <head>

    <meta charset="UTF-8">

    <meta name="author" content="tharun">

    <title>home</title>

    <style>

      .title{

        font-family: 'Courier New', Courier, monospace;

        background-color: aqua;

        color: brown;

        margin-top: 0;

        height: 3rem;

        padding-top: 1rem;

        text-align: center;

      }

      nav{

        border: 5px solid black;

        background-color: beige;

      }

      li{

        display: inline-block;

      }

      a{

        text-decoration: none;

      }

      h3{

        text-align: center;

        font-size: 2rem;

      }

      article{

        margin-top: 0;
```

```

}

.txt{

    font-size: 2rem;

    font-weight: 400;

    font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;

}

button{

    border-radius: 8px;

    padding: 1rem;

    left: 45rem;

    margin-left: 35rem;

}

footer{

    background-color: chartreuse;

    text-align:center;

}

</style>

</head>

<body>

<header>

<h2 class="title">SHOPPER</h2>

<nav>

    <li><a href="home.html">Home</a></li>

    <li><a href="cart.html">Cart</a></li>

    <li><a href="order.html">Orders</a></li>

    <li><a href="wish.html">wishlist</a></li>

    <li><a href="acc.html">My Account</a></li>

    <li><a href="note.html">Notifications</a></li>

</nav>

</header>

<main>

<article>

    <a class="image"></a>

    <section class="one">

        <p>Plant pot</p>

        <p>price:500 Rs</p>

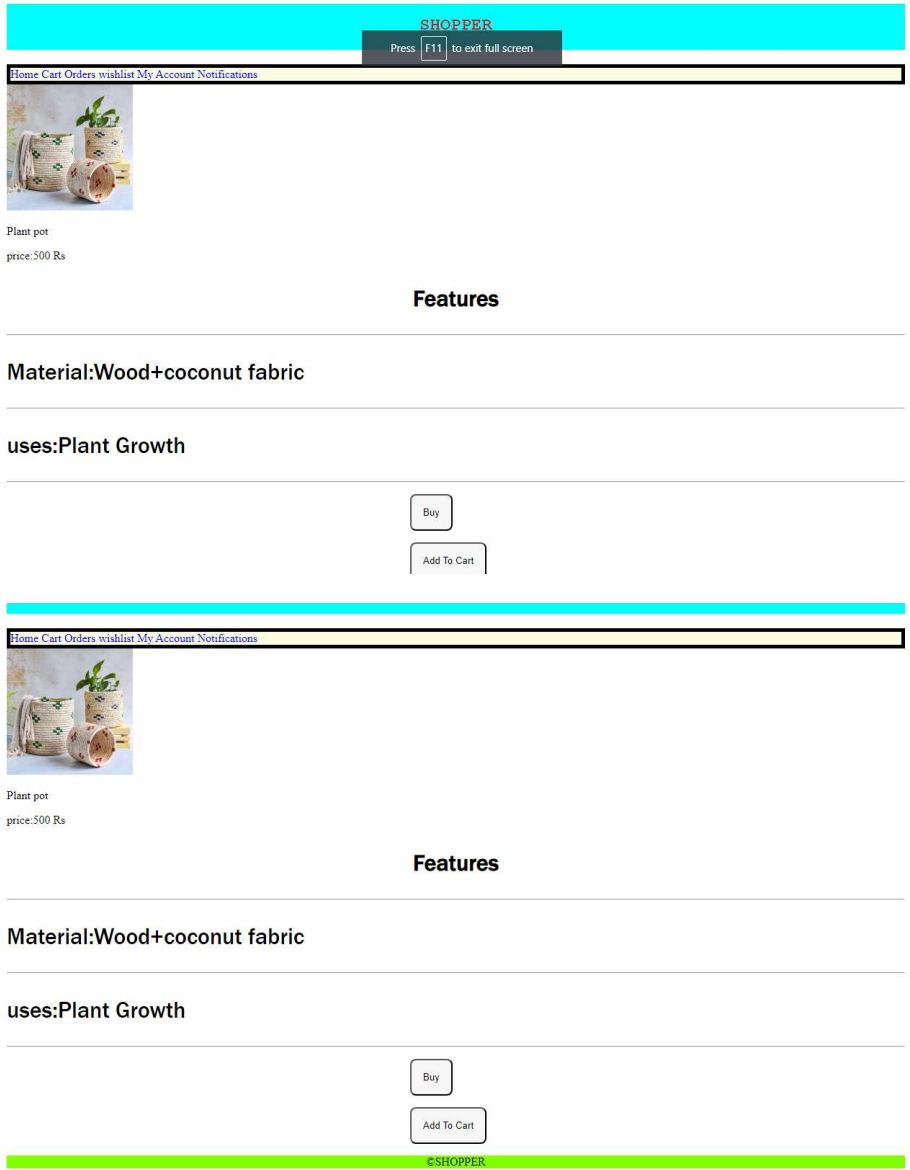
```

```

        </section>
</article>
<article class="txt">
    <h3>Features</h3>
    <hr>
    <p>Material:Wood+coconut fabric</p>
    <hr>
    <p>uses:Plant Growth</p>
    <hr>
</article>
<p>
    <button type="submit">Buy</button>
</p>
<p>
    <button type="button">Add To Cart</button>
</p>
</article>
</main>
<footer>
    <p>&copy;SHOPPER</p>
</footer>
</body>
</html>

```

Output:



Payment Template:

```
<!DOCTYPE html>

<html>

  <head>

    <meta charset="UTF-8">

    <meta name="author" content="tharun">

    <title>home</title>

    <style>

      .title{
```

```

    font-family: 'Courier New', Courier, monospace;
    background-color: aqua;
    color: brown;
    margin-top: 0;
    height: 3rem;
    padding-top: 1rem;
    text-align: center;
}

nav{
    border: 5px solid black;
    background-color: beige;
}
li{
    display: inline-block;
}
a{
    text-decoration: none;
}
article{
    font-size: 2rem;
}
button{
    border: 2px solid black;
    border-radius: 50px;
    width: 30%;
    text-align: center;
    position: relative;
    left: 5rem;
}
footer{
    background-color: chartreuse;
    text-align: center;
}
</style>
</head>

```



```

<body>

  <header>

    <h2 class="title">SHOPPER</h2>

    <nav>

      <li><a href="home.html">Home</a></li>

      <li><a href="cart.html">Cart</a></li>

      <li><a href="order.html">Orders</a></li>

      <li><a href="wish.html">wishlist</a></li>

      <li><a href="acc.html">My Account</a></li>

      <li><a href="note.html">Notifications</a></li>

    </nav>

  </header>

  <main>

    <article>

      <p>Price:500RS</p>

      <hr>

      <p>GST:50RS</p>

      <hr>

      <p>Total:550RS</p>

      <hr>

    </article>

    <article>

      <button><p class="pay">UPI</p></button>

      <button><p class="pay">Credit/Debit Card</p></button>

      <button><p class="pay">Pay</p></button>

    </article>

  </main>

  <footer>

    <p>&COPY;SHOPPER</p>

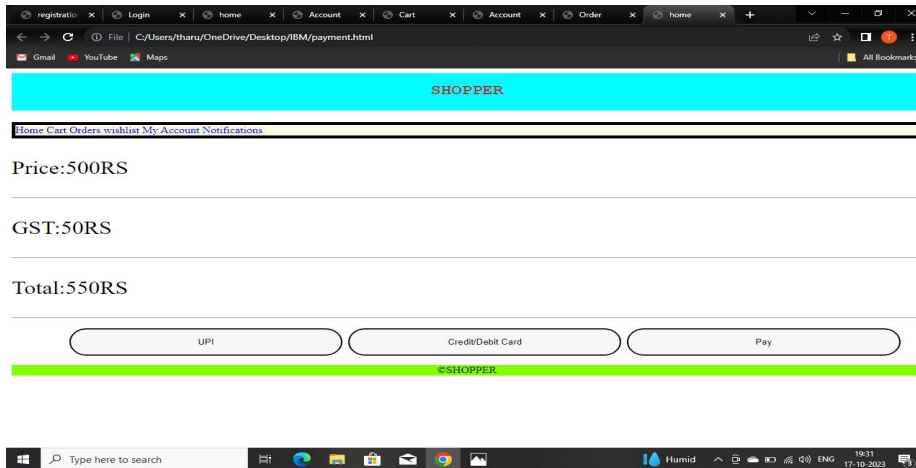
  </footer>

</body>

</html>

```

Output:



Cart template:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<meta name="author" content="tharun">
```

```
<title>Cart</title>
```

```
<style>
```

```
.title{
```

```
font-family: 'Courier New', Courier, monospace;
```

```
background-color: aqua;
```

```
color:brown;
```

```
margin-top:0;
```

```
height:3rem;
```

```
padding-top: 1rem;
```

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

```
}
```

```
nav{
```

```
border:5px solid black;
```

```
background-color: beige;
```

```
}
```

```
li{
```

```
display:inline-block;
```

```
}
```

```

a{
    text-decoration: none;
}
h3{
    text-align: center;
    font-size:2rem;
}
.one{
    float:right;
    font-size: 2rem;
    margin-right:55rem;
}
article{
    margin-top: 1rem;
}
footer{
    background-color: chartreuse;
    text-align:center;
    position: fixed;
    bottom:0;
    width: 100%;
    height:2rem;
    padding-top:1rem;
}
</style>
</head>
<body>
<header>
<h2 class="title">SHOPPER</h2>
<nav>
<li><a href="home.html">Home</a></li>
<li><a href="cart.html">Cart</a></li>
<li><a href="order.html">Orders</a></li>
<li><a href="wish.html">wishlist</a></li>
<li><a href="acc.html">My Account</a></li>
<li><a href="note.html">Notifications</a></li>

```

```

        </nav>

</header>

<h3>Shopping Cart</h3>

<main>

    <article>

        <a href="product.html"></a>

        <section class="one">

            <p>Plant pot</p>

            <p>price:500 Rs</p>

        </section>

    </article>

</main>

<footer>

    &copy;SHOPPER

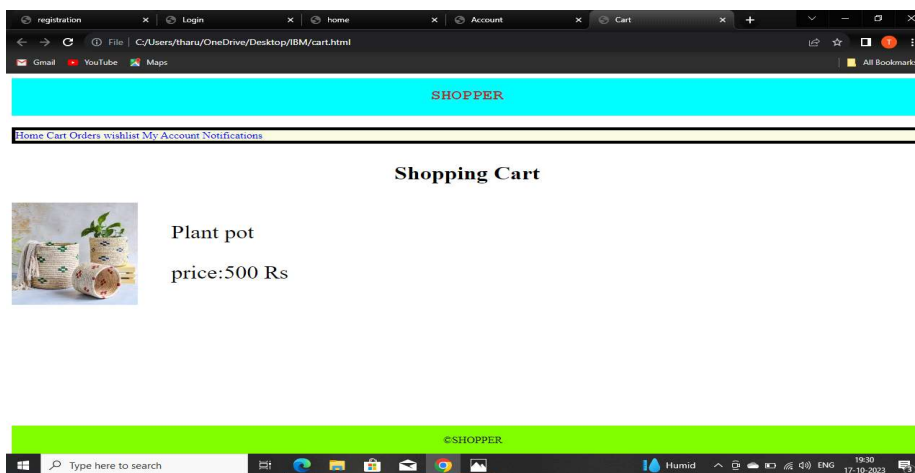
</footer>

</body>

</html>

```

Output:



Account Template:

```

<!DOCTYPE html>

<html>

    <head>

        <meta charset="UTF-8">

        <meta name="author" content="tharun">

```

```

<title>Account</title>

<style>

.title{

    font-family: 'Courier New', Courier, monospace;

    background-color: aqua;

    color:brown;

    margin-top:0;

    height:3rem;

    padding-top: 1rem;

    text-align: center;

}


nav{

    border:5px solid black;

    background-color: beige;

}

li{

    display:inline-block;

}

a{

    text-decoration: none;

}

h3{

    text-align: center;

}

p{

    font-size: 2rem;

}

button{

    border-radius: 50px;

    font-size: 2rem;

    position:absolute;

    left:35rem;

}

footer{

    background-color: chartreuse;

```

```

        text-align:center;

        position: fixed;

        bottom:0;

        width: 100%;

        height:2rem;

        padding-top:1rem;

    }

</style>

</head>

<body>

    <header>

        <h2 class="title">SHOPPER</h2>

        <nav>

            <li><a href="home.html">Home</a></li>

            <li><a href="cart.html">Cart</a></li>

            <li><a href="order.html">Orders</a></li>

            <li><a href="wish.html">wishlist</a></li>

            <li><a href="acc.html">My Account</a></li>

            <li><a href="note.html">Notifications</a></li>

        </nav>

    </header>

    <main>

        <h3>Your Profile</h3>

        <p>Username:Rohith</p>

        <p>Phonenumber:890-456-1234</p>

        <p>< HYPERLINK "mailto:%3Cp%3EEmail-id:Championbravo@gmail.com%3C/p"p HYPERLINK "mailto:%3Cp%3EEmail-
id:Championbravo@gmail.com%3C/p"> HYPERLINK "mailto:%3Cp%3EEmail-id:Championbravo@gmail.com%3C/p"Email-
id:Championbravo@gmail.com HYPERLINK "mailto:%3Cp%3EEmail-id:Championbravo@gmail.com%3C/p"> HYPERLINK
"mailto:%3Cp%3EEmail-id:Championbravo@gmail.com%3C/p"/ HYPERLINK "mailto:%3Cp%3EEmail-
id:Championbravo@gmail.com%3C/p"p>

        <p>No:67,Gopal Street,Vyasarpadi,Chennai-600018</p>

        <a href="login.html"><button type="submit">Log Out</button></a>

    </main>

    <footer>

        <p>&copy;SHOPPER</p>

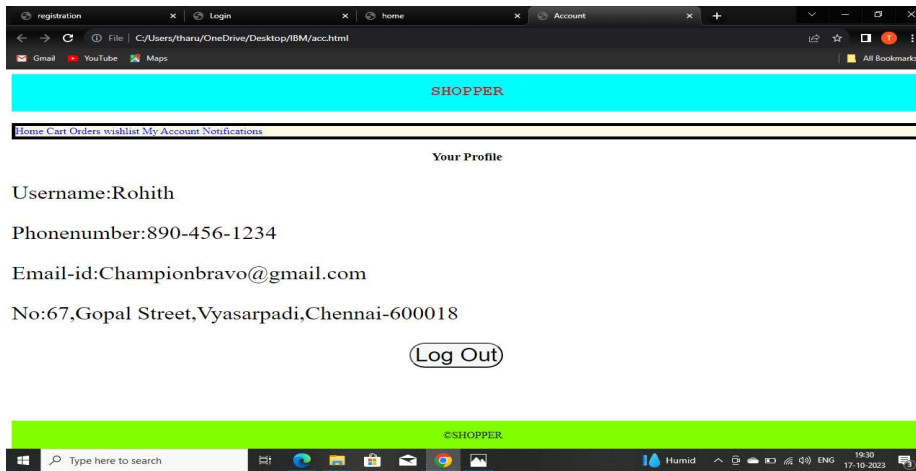
    </footer>

</body>

</html>

```

Output:



Order template:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<meta name="author" content="tharun">
```

```
<title>Order</title>
```

```
<style>
```

```
.title{
```

```
font-family: 'Courier New', Courier, monospace;
```

```
background-color: aqua;
```

```
color: brown;
```

```
margin-top: 0;
```

```
height: 3rem;
```

```
padding-top: 1rem;
```

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

```
}
```

```
nav{
```

```
border: 5px solid black;
```

```
background-color: beige;
```

```
}
```

```
li{
```

```
display: inline-block;
```

```

    }
    a{
        text-decoration: none;
    }
    h3{
        text-align: center;
    }
    .one{
        float:right;
        font-size: 2rem;
        margin-right:55rem;
    }
    article{
        margin-top: 1rem;
    }
    footer{
        background-color: chartreuse;
        text-align:center;
        position: fixed;
        bottom:0;
        width: 100%;
        height:2rem;
        padding-top:1rem;
    }
</style>
</head>
<body>
<header>
<h2 class="title">SHOPPER</h2>
<nav>
    <li><a href="home.html">Home</a></li>
    <li><a href="cart.html">Cart</a></li>
    <li><a href="order.html">Orders</a></li>
    <li><a href="wish.html">wishlist</a></li>
    <li><a href="acc.html">My Account</a></li>
    <li><a href="note.html">Notifications</a></li>

```

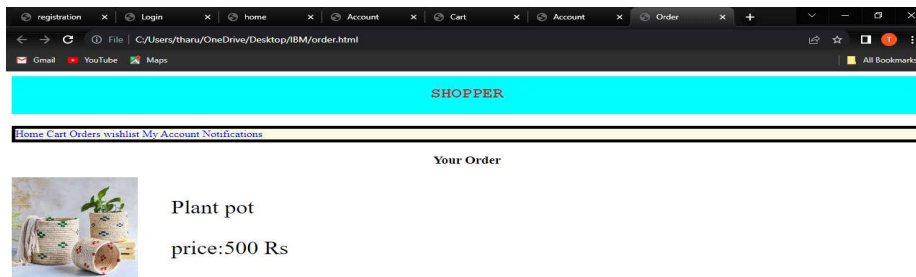


```

</nav>
</header>
<main>
  <h3>
    <p>Your Order</p>
  </h3>
  <article>
    <a href="product.html"></a>
    <section class="one">
      <p>Plant pot</p>
      <p>price:500 Rs</p>
    </section>
  </article>
</main>
<footer>
  &copy;SHOPPER
</footer>
</body>
</html>

```

Output:



Notification Template:

```
<!DOCTYPE html>
```

```

<html>

<head>

  <meta charset="UTF-8">

  <meta name="author" content="tharun">

  <title>Account</title>

  <style>

    .title{

      font-family: 'Courier New', Courier, monospace;

      background-color: aqua;

      color: brown;

      margin-top: 0;

      height: 3rem;

      padding-top: 1rem;

      text-align: center;

    }

    nav{

      border: 5px solid black;

      background-color: beige;

    }

    li{

      display: inline-block;

    }

    a{

      text-decoration: none;

    }

    p{

      font-size: 2rem;

    }

    footer{

      background-color: chartreuse;

      text-align: center;

      position: fixed;

      bottom: 0;

      width: 100%;

      height: 2rem;

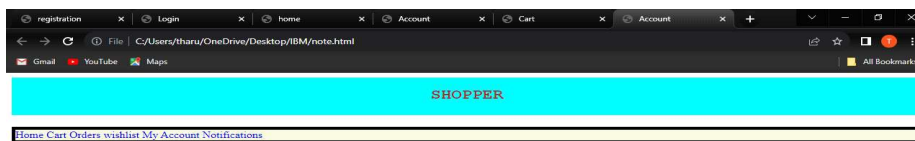
```

```

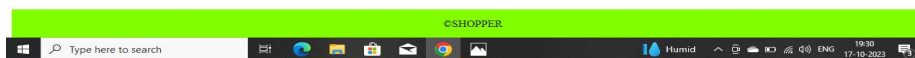
        padding-top:1rem;
    }
</style>
</head>
<body>
    <h2 class="title">SHOPPER</h2>
    <nav>
        <li><a href="home.html">Home</a></li>
        <li><a href="cart.html">Cart</a></li>
        <li><a href="order.html">Orders</a></li>
        <li><a href="wish.html">wishlist</a></li>
        <li><a href="acc.html">My Account</a></li>
        <li><a href="note.html">Notifications</a></li>
    </nav>
    <p>Notifications</p>
    <footer>
        &copy;SHOPPER
    </footer>
</body>
</html>

```

Output:



Notifications



Wishlist Template:

```
<!DOCTYPE html>
```

```

<html>

<head>

  <meta charset="UTF-8">

  <meta name="author" content="tharun">

  <title>Order</title>

  <style>

    .title{

      font-family: 'Courier New', Courier, monospace;

      background-color: aqua;

      color: brown;

      margin-top: 0;

      height: 3rem;

      padding-top: 1rem;

      text-align: center;

    }

    nav{

      border: 5px solid black;

      background-color: beige;

    }

    li{

      display: inline-block;

    }

    a{

      text-decoration: none;

    }

    h3{

      text-align: center;

    }

    .one{

      float: right;

      font-size: 2rem;

      margin-right: 55rem;

    }

    article{

      margin-top: 1rem;

```

```

    }
    footer{
        background-color: chartreuse;
        text-align:center;
        position: fixed;
        bottom:0;
        width: 100%;
        height:2rem;
        padding-top:1rem;
    }
</style>
</head>
<body>
    <header>
        <h2 class="title">SHOPPER</h2>
        <nav>
            <li><a href="home.html">Home</a></li>
            <li><a href="cart.html">Cart</a></li>
            <li><a href="order.html">Orders</a></li>
            <li><a href="wish.html">wishlist</a></li>
            <li><a href="acc.html">My Account</a></li>
            <li><a href="note.html">Notifications</a></li>
        </nav>
    </header>
    <main>
        <h3>
            <p>Your Wishlist</p>
        </h3>
        <article>
            <a href="product3.html"></a>
            <section class="one">
                <p>Cup</p>
                <p>price:400 Rs</p>
            </section>
        </article>
    </main>

```

```

</footer>

&copy;SHOPPER

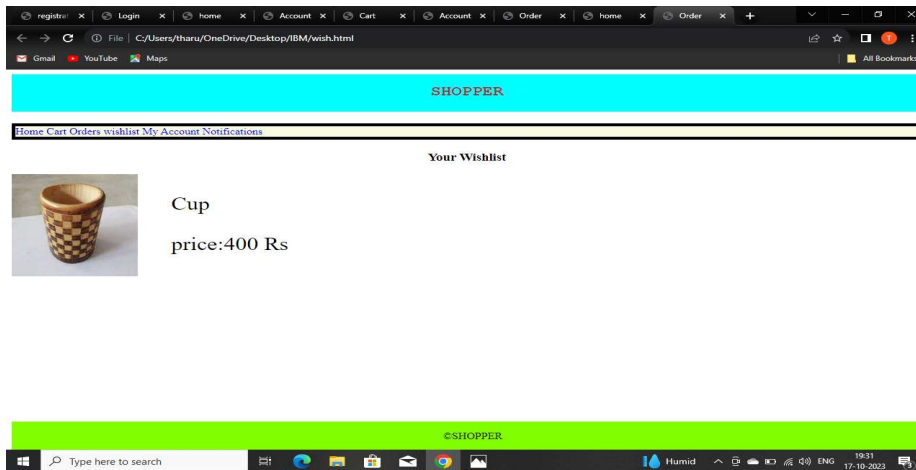
</footer>

</body>

</html>

```

Output:



Conclusion:

The source codes of html, css and database codes are included and output also.