Versus

ONLINE BOOKSTORE

WEB TECHNOLOGIES AND PROGRAMMING PROJECT

BINF III A

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I. Project Title: Versus - Online Bookstore

Introduction:

Versus is an online bookstore designed to provide users with a seamless and enjoyable shopping experience for books. The platform offers a wide range of books across various genres, allowing users to explore, purchase, and manage their orders efficiently. Versus caters to both regular users and administrators, each with distinct functionalities and access levels.

Scope:

The scope of the Versus project includes:

- **User Registration and Authentication:**
    - Users can **register** and **log in** as regular **users** or **administrators**.
    - Secure authentication mechanisms ensure user data safety (hashed password).
- **Book Catalog:**
    - A diverse collection of books.
    - Users can view book details, including title, price, and cover image.
- **Shopping Cart and Checkout:**
    - Users can add books to their shopping cart.
    - A seamless checkout process for order placement.
- **Pages:**
    - **Home Page:** Provides an overview of featured books and promotions.
    - **Search Page:** Enables users to search for specific books based on keywords.
    - **Orders Page:** Displays a history of user orders.
    - **Message Page:** Facilitates communication between users and admin.
    - **Contact Us Page:** Allows users to reach out to the admin for queries or support.
    - **About Us Page:** Offers information about the bookstore and its mission.
- **Administrator Dashboard:**
    - Administrators have a dedicated dashboard for managing the bookstore.
    - Sections include book management, user management, and message management.

Similar Products:

Versus distinguishes itself from other online bookstores through its user-friendly interface, efficient order management, and robust communication features. It ensures a personalized experience for both regular users and administrators. **SIMILAR PRODUCTS**

We have gained information about the books included in our website from the international bookstore of Albania since 1999, Adrion https://www.adrionltd.com/sq/. And Bukinist Home - Bukinist.

In essence, our project serves as a comprehensive online bookstore, ensuring a positive experience for customers while providing administrators with robust tools for inventory management and control.

II.Requirements:

- **Technological Stack:**
    - PHP for server-side scripting.
    - MySQL for database management.
    - HTML, CSS, and JavaScript for the frontend.
    - Secure authentication protocols.
    - Free Photo | Free photo open book with fairytale scene (freepik.com) (for)pics.
    - White book page with black background photo – Free Book Image on Unsplash pics.
    - Libraries - cdnjs - The #1 free and open source CDN built to make life easier for developers//fonts fonts and icons
- **User Features:**
    - Registration and login functionalities.
    - Browsing and searching for books.
    - Adding books to the cart and smooth checkout.
- **Administrator Features:**
    - Dashboard for books/products, user, and message management.
    - The Administrator can add books.
    - Delete Books.
    - Update Books.
    - Message Users.
    - Update/keep track of Payments and Orders.
    - Manage Users.

Features Design:

- **User-Friendly Interface:**
    - Intuitive design for easy navigation.
    - Responsive layout for seamless use on various devices.
- **Book Details:**
    - Display cover images, titles and prices.

- o Books can be updated or deleted.
- **Shopping Cart:**
    - o Add, remove, and update items in the cart.
    - o Clear visibility of total order amount.
- **Communication:**
    - o Messaging system for users to contact the admin.
    - o Quick response and resolution of user queries.
- **Security Measures:**
    - o Secure user authentication and data protection.
    - o Encrypted transactions during the checkout process.

This project aims to create an engaging and secure online bookstore that meets the needs of avid readers and simplifies the administrative tasks for bookstore management. **Versus** stands out with its user-centric design and efficient communication channels.

III. DataBase Schema

This is a Textual Representation, but we also have Provided the Schemas:

Users:

- o Each user has a unique UserID, Email, and Password.
- o Users are categorized as either regular users or admins.
- **Orders:**
    - o Every order is identified by a unique OrderID.
    - o It includes details such as the user's ID, contact information, payment method, delivery address, the list of products in the order, total price, order placement timestamp, and payment status.

- **Cart:**
  - Each item in the cart is tracked by a unique CartID.
  - It is associated with a user through UserID, and includes details like product name, price, quantity, and image.
- **Products:**
  - Every product has a unique ProductID.
  - Product details include the name, price, and image.
- **Login:**
  - User login information is stored, consisting of a unique UserID, associated Email, and Password.

Relationships:

- Users and Orders: A user can place multiple orders.
- Users and Cart: A user can have multiple items in the cart.
- Users and Products: Users can view multiple products.
- Users and Login: Each user has a unique login.

Constraints:

- Users.UserID and Login.UserID are unique identifiers.
- Orders.UserID and Cart.UserID are foreign keys referencing Users.UserID.
- Orders.OrderID, Cart.CartID, Products.ProductID are unique identifiers.
- Orders.PaymentStatus has a default value of 'pending'.

ENTITY RELATIONSHIP DIAGRAM.

THE RELATIONAL SCHEMA.

CART
| CId |
| Image |
| Quantity |
| Name |
| Price |

USERS
| UserID |
| Name |
| Password |
| UserType |
| E-mail |

ORDERS
| OrderId |
| TotalPrice |
| Email |
| Placedon |
| Number |
| PaymentStatus |
| TotalProducts |
| Method |

PRODUCTS
| ProductId |
| Name |
| Price |
| Image |

MESSAGES
| MId |
| Number |
| Name |
| E-mail |
| Message |

Relationship
| UserID (FK) |
| MId (FK) |
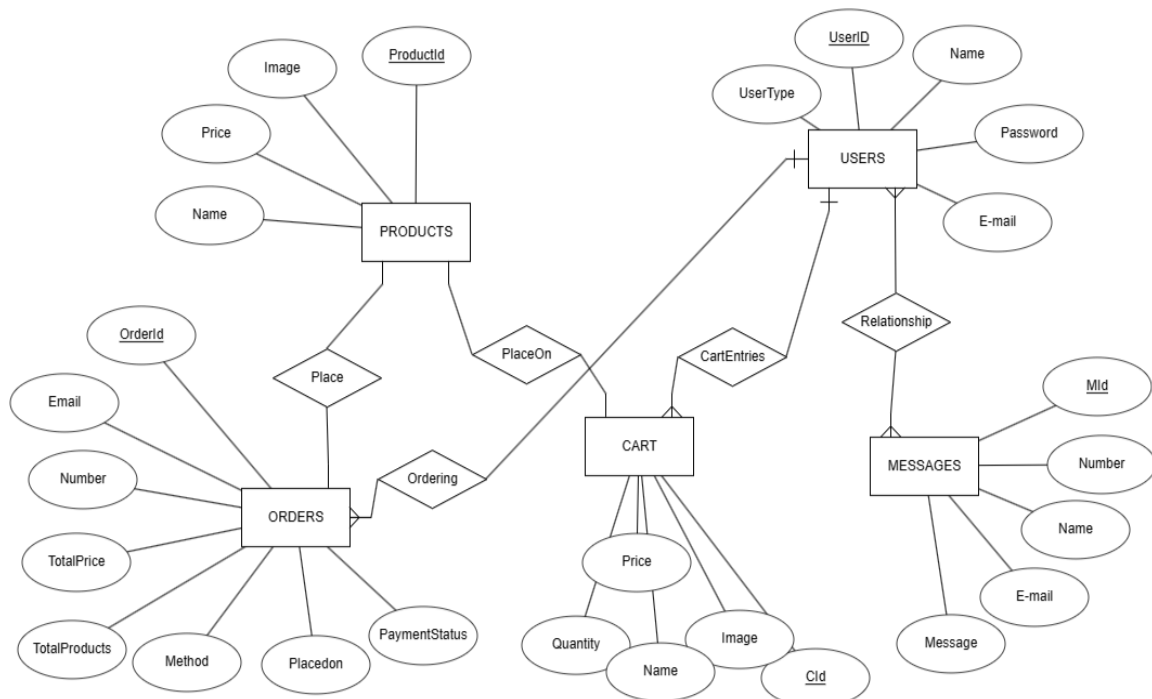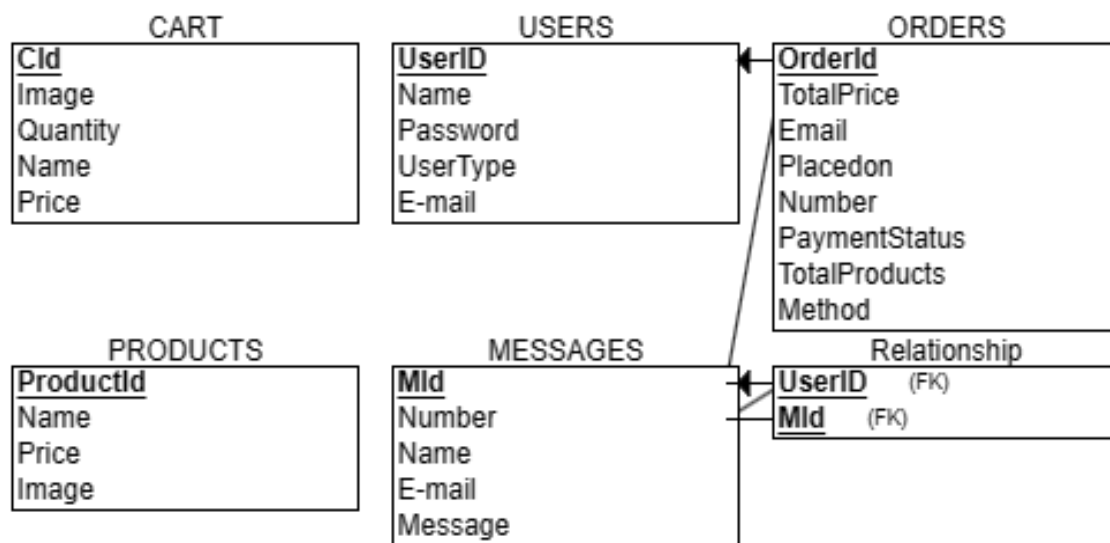
Printed Screens of the Website.

Frontend

Home Page:
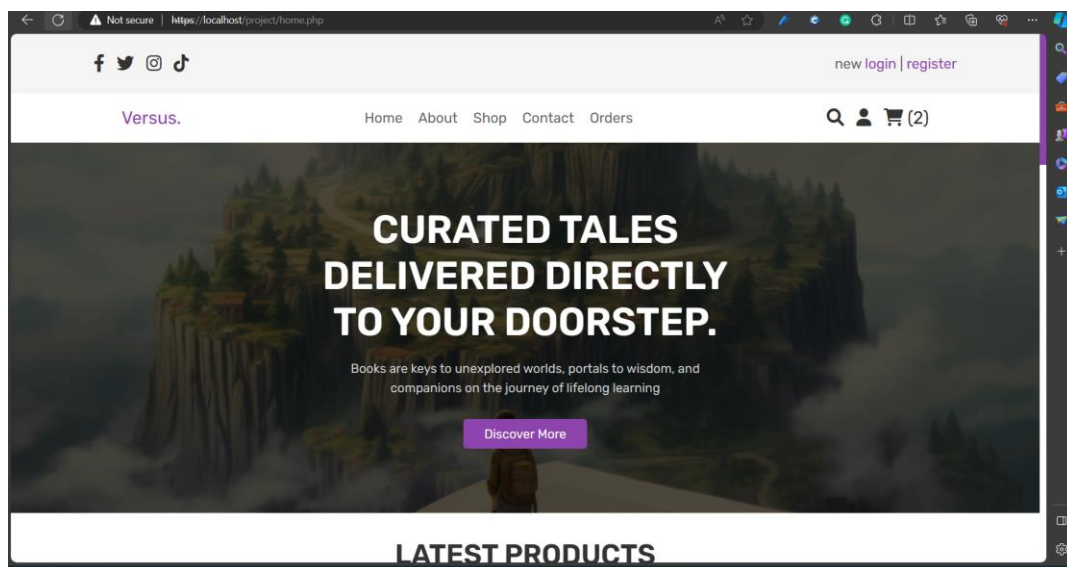
Admin Dashboard:

Search Page:

Login UI:

LOGIN NOW

enter your email

enter your password

Login Now

don't have an account? register now

Cart:

Versus.

Home About Shop Contact Orders 🔍 👤 🛒 (2)

PRODUCTS ADDED

×

THE HAPPY LEMON

Illustrated by Deneve Wright

Written by Kurt Yamashita

the happy lemon

$15/-

2 Update

sub total : $30/-

×

BE WELL BEE

WRITTEN & ILLUSTRATED BY CABE LINDSAY

Be well bee

$8/-

1 Update

sub total : $8/-

Delete All
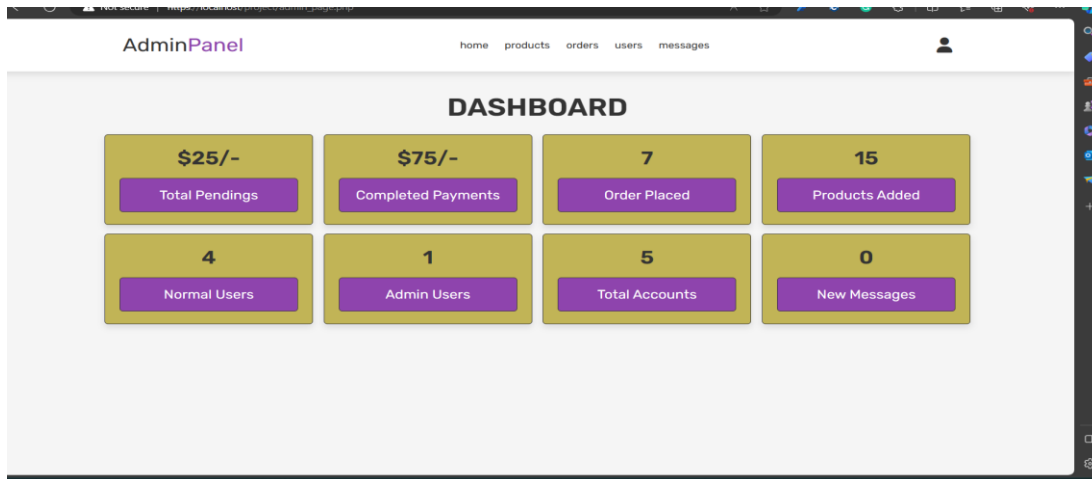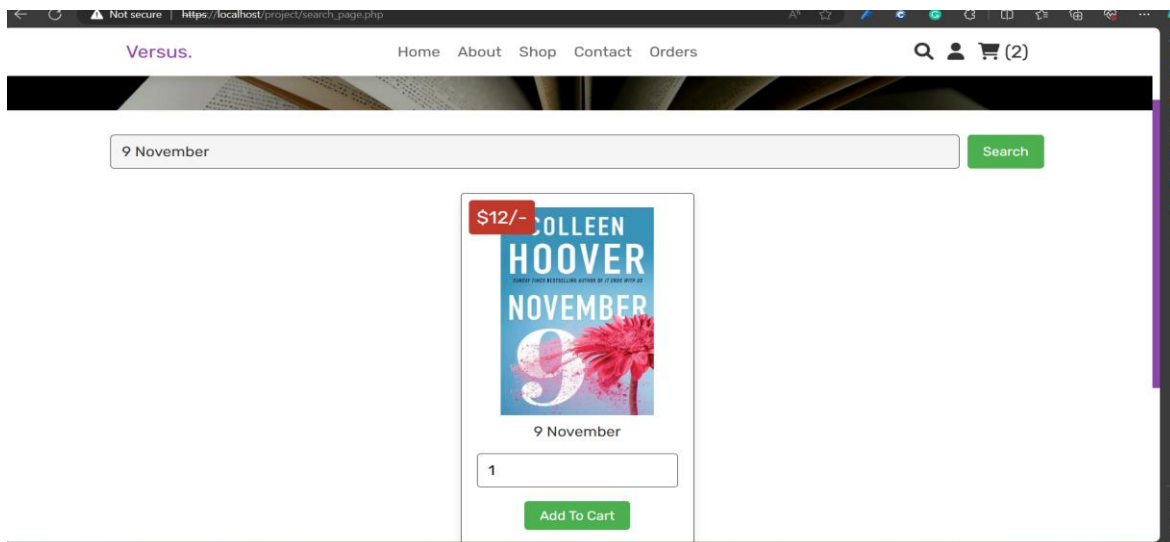
About Us Page:
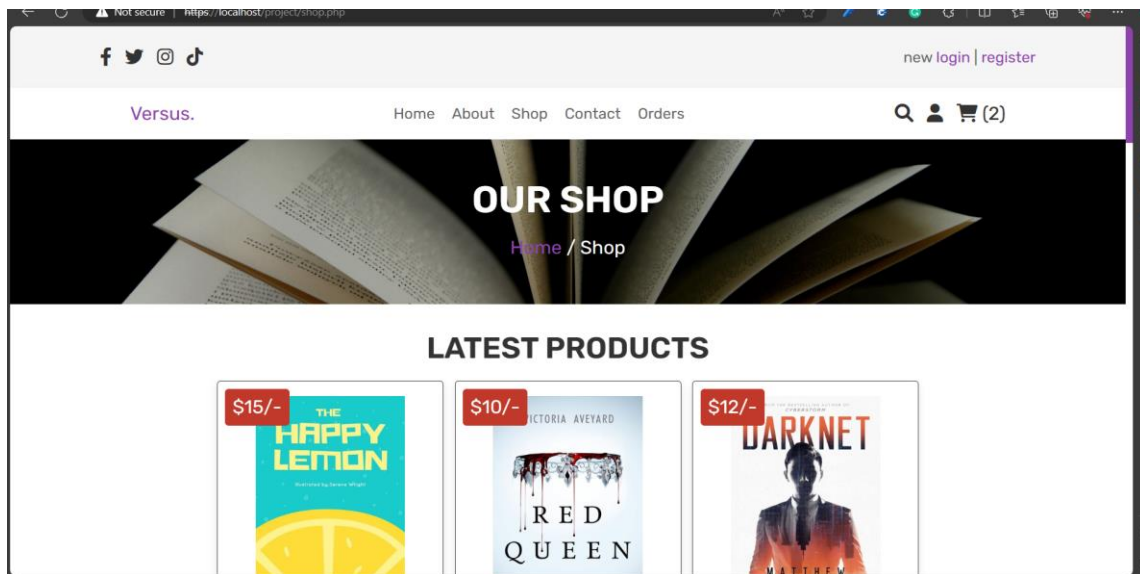
Backend

CSS Search and Single-Item Page :

css > # style.css > p

```css
840     }
841
842     .search-form form{
843         max-width: 1200px;
844         margin:0 auto;
845         display: flex;
846         gap:1rem;
847     }
848
849     .search-form form .btn{
850         margin-top: 0;
851     }
852
853     .search-form form .box{
854         width: 100%;
855         padding:1.2rem 1.4rem;
856         border:var(--border);
857         font-size: 2rem;
858         color:var(--black);
859         background-color: var(--light-bg);
860         border-radius: .5rem;
861     }
862     .single-item-container {
863         max-width: 700px;
864         margin: 50px auto;
865         padding: 20px;
866         background-color: #aea5cf;
867         border: 1px solid #e8d464;
868         border-radius: 8px;
869         box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
870     }
871
872     h1 {
873         color: #333;
874     }
875
876     p {
```

Home Page:

```php
28          │
29      }
30
31      ?>
32
33      <!DOCTYPE html>
34      <html lang="en">
35      <head>
36          <meta charset="UTF-8">
37          <meta http-equiv="X-UA-Compatible" content="IE=edge">
38          <meta name="viewport" content="width=device-width, initial-scale=1.0">
39          <title>Home</title>
40
41          <!-- font awesome cdn link  -->
42          <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
43
44          <!-- custom css file link  -->
45          <link rel="stylesheet" href="css/style.css">
46
47      </head>
48      <body>
49
50      <?php include 'header.php'; ?>
51
52      <section class="home">
53
54          <div class="content">
55              <h3>Curated tales delivered directly to your doorstep. </h3>
56              <p>Books are keys to unexplored worlds, portals to wisdom, and companions on the journey of lifelong learning</p>
57              <a href="about.php" class="white-btn">discover more</a>
58          </div>/.content
59
60      </section>/.home
61
62      <section class="products">
63
64          <h1 class="title">latest products</h1>
```

Admin:

```php
52          ?>
53          <h3>$<?php echo $total_pendings; ?>/-</h3>
54          <p>Total Pendings</p>
55     </div>/.box
56
57     <div class="box">
58         <?php
59             $total_completed = 0;
60             $select_completed = mysqli_query($conn, "SELECT total_price FROM `orders` WHERE payment_status = 'completed'") or die('
61             if(mysqli_num_rows($select_completed) > 0){
62                 while($fetch_completed = mysqli_fetch_assoc($select_completed)){
63                     $total_price = $fetch_completed['total_price'];
64                     $total_completed += $total_price;
65                 };
66             };
67         ?>
68         <h3>$<?php echo $total_completed; ?>/-</h3>
69         <p>Completed Payments</p>
70     </div>/.box
71
72     <div class="box">
73         <?php
74             $select_orders = mysqli_query($conn, "SELECT * FROM `orders`") or die('query failed');
75             $number_of_orders = mysqli_num_rows($select_orders);
76         ?>
77         <h3><?php echo $number_of_orders; ?></h3>
78         <p>Order Placed</p>
79     </div>/.box
80
81     <div class="box">
82         <?php
83             $select_products = mysqli_query($conn, "SELECT * FROM `products`") or die('query failed');
84             $number_of_products = mysqli_num_rows($select_products);
85         ?>
86         <h3><?php echo $number_of_products; ?></h3>
87         <p>Products Added</p>
88     </div>/.box
```

Login:

```php
</head>
<body>

<?php
if(isset($message)){
    foreach($message as $message){
        echo '
        <div class="message">
            <span>'.$message.'</span>
            <i class="fas fa-times" onclick="this.parentElement.remove();"></i>
        </div>
        ';
    }
}
?>

<div class="form-container">

    <form action="" method="post">
        <h3>login now</h3>
        <input type="email" name="email" placeholder="enter your email" required class="box">
        <input type="password" name="password" placeholder="enter your password" required class="box">
        <input type="submit" name="submit" value="login now" class="btn">
        <p>don't have an account? <a href="register.php">register now</a></p>
    </form>

</div>/.form-container

</body>
</html>
```
Gg

Web Cart:

```php
50    <?php include 'header.php'; ?>
51
52    <div class="heading">
53        <h3>shopping cart</h3>
54        <p> <a href="home.php">home</a> / cart </p>
55    </div>/.heading
56
57    <section class="shopping-cart">
58
59        <h1 class="title">products added</h1>
60
61        <div class="box-container">
62            <?php
63                $grand_total = 0;
64                $select_cart = mysqli_query($conn, "SELECT * FROM `cart` WHERE user_id = '$user_id'") or die('query failed');
65                if(mysqli_num_rows($select_cart) > 0){
66                    while($fetch_cart = mysqli_fetch_assoc($select_cart)){
67            ?>
68            <div class="box">
69                <a href="cart.php?delete=<?php echo $fetch_cart['id']; ?>" class="fas fa-times" onclick="return confirm('delete this from
70                <img src="uploaded_img/<?php echo $fetch_cart['image']; ?>" alt="">
71                <div class="name"><?php echo $fetch_cart['name']; ?></div>
72                <div class="price">$<?php echo $fetch_cart['price']; ?>/-</div>
73                <form action="" method="post">
74                    <input type="hidden" name="cart_id" value="<?php echo $fetch_cart['id']; ?>">
75                    <input type="number" min="1" name="cart_quantity" value="<?php echo $fetch_cart['quantity']; ?>">
76                    <input type="submit" name="update_cart" value="update" class="option-btn">
77                </form>
78                <div class="sub-total"> sub total : <span>$<?php echo $sub_total = ($fetch_cart['quantity'] * $fetch_cart['price']); ?>/-<
79            </div>/.box
80            <?php
81            $grand_total += $sub_total;
82                }
83            }else{
84                echo '<p class="empty">your cart is empty</p>';
85            }
86            ?>
```

CheckOut:

```php
71    <?php include 'header.php'; ?>
72
73    <div class="heading">
74        <h3>checkout</h3>
75        <p> <a href="home.php">home</a> / checkout </p>
76    </div>/.heading
77
78    <section class="display-order">
79
80        <?php
81            $grand_total = 0;
82            $select_cart = mysqli_query($conn, "SELECT * FROM `cart` WHERE user_id = '$user_id'") or die('query failed');
83            if(mysqli_num_rows($select_cart) > 0){
84                while($fetch_cart = mysqli_fetch_assoc($select_cart)){
85                    $total_price = ($fetch_cart['price'] * $fetch_cart['quantity']);
86                    $grand_total += $total_price;
87        ?>
88        <p> <?php echo $fetch_cart['name']; ?> <span>(<?php echo '$'.$fetch_cart['price'].'/-'.' x '. $fetch_cart['quantity']; ?>)</span
89        <?php
90                }
91        }else{
92            echo '<p class="empty">your cart is empty</p>';
93        }
94        ?>
95        <div class="grand-total"> grand total : <span>$<?php echo $grand_total; ?>/-</span> </div>
96
97    </section>/.display-order
98
99    <section class="checkout">
100
101        <form action="" method="post">
102            <h3>place your order</h3>
103            <div class="flex">
104                <div class="inputBox">
105                    <span>your name :</span>
106                    <input type="text" name="name" required placeholder="enter your name">
107                </div>/.inputBox
```

Footer:

```
<a href="about.php">about</a>
    <a href="shop.php">shop</a>
    <a href="contact.php">contact</a>
</div>/.box

<div class="box">
    <h3>extra links</h3>
    <a href="login.php">login</a>
    <a href="register.php">register</a>
    <a href="cart.php">cart</a>
    <a href="orders.php">orders</a>
</div>/.box

<div class="box">
    <h3>contact info</h3>
    <p> <i class="fas fa-phone"></i> +355 69 485 6374 </p>
    <p> <i class="fas fa-envelope"></i> Versus@gmail.com </p>
    <p> <i class="fas fa-map-marker-alt"></i> Tiran, Albania - 1001 </p>
</div>/.box

<div class="box">
    <h3>follow us</h3>
    <a href="#"> <i class="fab fa-facebook-f"></i> facebook </a>
    <a href="#"> <i class="fab fa-twitter"></i> twitter </a>
    <a href="#"> <i class="fab fa-instagram"></i> instagram </a>
    <a href="#"> <i class="fab fa-tiktok"></i> tiktok </a>
</div>/.box

</div>/.box-container


<p class="credit">&copy; <?php echo date('Y'); ?> VersusLibrary</p>

</section>/.footer
```

WORK DIVISION AND PROGRESS

Team	
Jada	
Sonia	
Eni	
Friona	
Enxhi	
All team	
Marin	

A37 ▾ | ƒX

	A	B	C	D	E	F	G	H	I	J	K
1	Scheduling Software Jobs:	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
2	"Versus Book Store"	15-Nov	22-Nov	23-29 Nov	6-Dec	13-Dec	20-Dec	27-Dec	3-Jan	10-Jan	15-Jan
3											
4	Decided on the layout ofthe Project										
5	Creating The Database										
6	Login/Register										
7	Started WorkingOn Admin										
8	Admin Page+Orders										
9	Admin Products										
10	Admin Messages and Users					Enxhi+Marin					
11	Home Page + Footer/Header						Friona+Marin				
12	About Page						Jada				
13	Shop Page + Single-Item							Friona+Sonia			
14	Contact Page							Enxhi+Marin			
15	Orders Page								Eni		
16	Cart And Checkout								Eni		
17	Testing										
18	Started Working On The Report										
19	Finalised The Report										