Shopping Cart Project

CS17B —-Yating Ge

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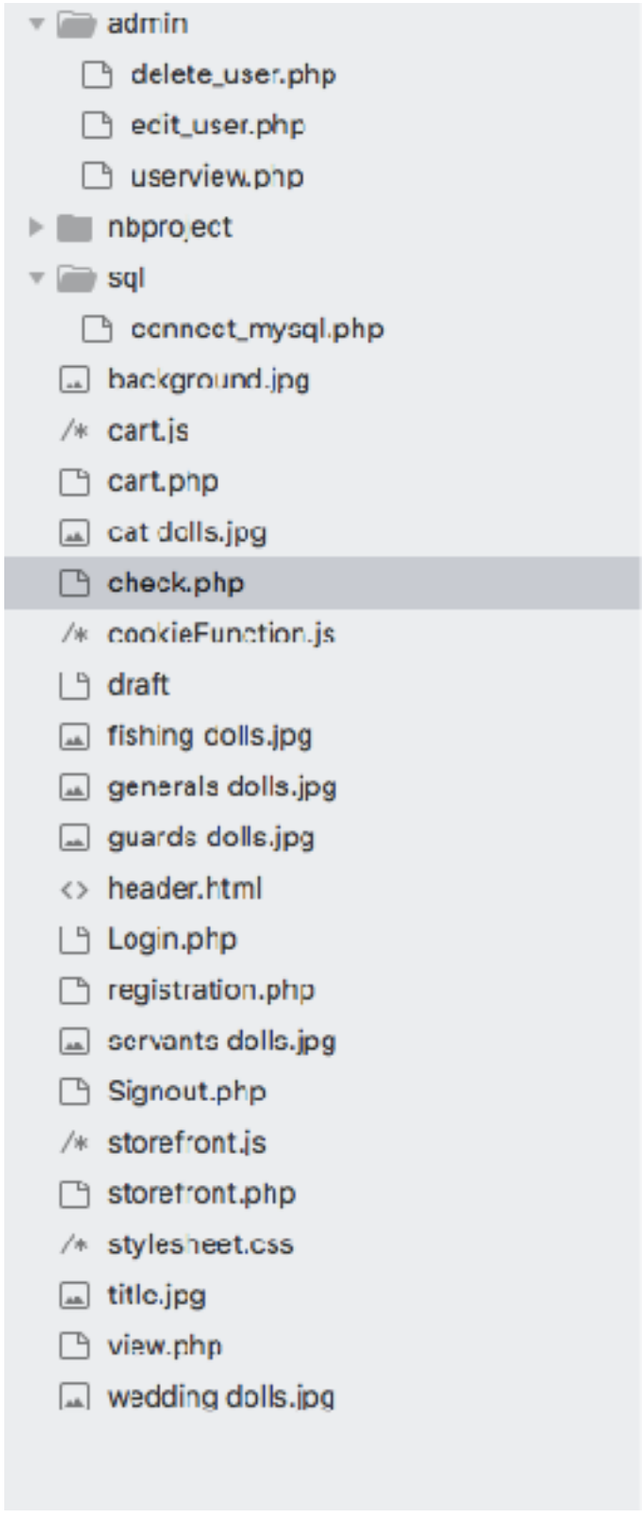
file list:

- **admin** / userview.php & edit_user.php & delete_user.php
- **sql** /connect_mysql.php
- **javascript**: cart.js & cookieFunction.js & storefront.js
- **php&html**: registration.php & Login.php & storefront.php & view.php & check.php &Signout.php
- **css**: stylesheet.css
- **images**

Github link


admin
delete_user.php
ecit_user.php
userview.php
nbproject
sql
connect_mysql.php
background.jpg
cart.js
cart.php
cat dolls.jpg
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fishing dolls.jpg
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Signout.php
storefront.js
storefront.php
stylesheet.css
title.jpg
view.php
wedding dolls.jpg

1) MVC - How you delineated your objects

- **filename: storefront.js / cart.js**

- **code example:**

storefront.js

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

function Item(name, price, inventory) {
    this.name = name;
    this.price = price;
    this.inventory = inventory;
}


Item.prototype.setName = function (name) {
    this.name = name;
};

Item.prototype.setPrice = function (price) {
    this.price = price;
};

Item.prototype.getName = function () {
    return this.name;
};

Item.prototype.getPrice = function () {
    return this.price;
};

Item.prototype.getInventory = function () {
    return this.inventory;
};

Item.prototype.display = function () {

    var x = this.name;
    document.write("<div class = 'this.name' style = 'border: dotted pink 1px'>")
    document.write("<p class= " + this.name + ">" + "Product Name: " + this.name + "</p>");
    document.write("<p class= " + this.name + ">" + "Product Price: $ " + this.price + "</p>");
    document.write('<center><img src="' + this.name + '.jpg" width ="250px" height ="250px" onclick="redirectFunction(\''  + this.name
    document.write("</div>");

};
```

2)Objects - Javascript/PHP - Serialization
Passing info with Javascript
Objects to PHP Objects with Cookies

- **filename: storefront.php/ Login.php/Signout.php/check.php…..**

- **code example:**

Login.php

```php
//check whether username and password have been registed!
$email_Err = "";
$pswd_Err = " ";
$username = " ";
if (isset($_POST['userInput']) && isset($_POST['passwordInput'])) {
    $username = mysqli_real_escape_string($conn, $_POST['userInput']);
    $sql = "SELECT id_user, username, email, password FROM client_entity WHERE username = '" . $username . "'";
    $result = $conn->query($sql);
    $row = $result->fetch_assoc();
    $pswd = mysqli_real_escape_string($conn, $_POST['passwordInput']);

    if ($username != $row['username']) {
        $email_Err = "<p>your username is incorrect. please check them and try again!<br></p>";
    } elseif ($pswd != $row['password']) {
        $pswd_Err = "<p>your password is incorrect. please check them and try again!</p><br>";
    } else {
        echo "<script> window.location.assign('storefront.php'); </script>";
    }

    setcookie("username", $username, time() + (86400 * 30), "/");
}
?>


<body>
    <div class="center">
```

Signout.php

```php
<!DOCTYPE html>
<!--
To change this license header, choose License Headers in Project Properties.
To change this template file, choose Tools | Templates
and open the template in the editor.
-->
<html>
    <head>
        <title>Login Page!</title>

<?php
include "header.html";
setcookie("username", null, time() - (86400 * 30), "/");

echo "<p>You have signed out.</p>";

if(isset($_COOKIE['username'])){
    unset($_COOKIE['username']);

    echo "<p id='redirect'><script>function Redirect(){
                            window.location='storefront.php';}
                            document.getElementById('redirect').innerHTML = 'Sign out successfully!You will be redirected to a new pa
                                to 5 seconds!';
                            setTimeout('Redirect()',5000);
                            </script></p>";
}

?>

</head>
<body>


</body>
</html>
```

3) Reading/Writing Files/Local Storage
JSON - Javascript

- **filename: registration.php/storefront.php/cart.php/ Login.php/Signout.php…..**

- **code example:**

registration.php

```
<!--
To change this license header, choose License Headers in Project Properties.
To change this template file, choose Tools | Templates
and open the template in the editor.
-->


<html>
    <head>
        <meta charset="UTF-8">
        <title>Sign Up</title>


    </head>
    <body>


        <?php
        include 'sql/connect_mysql.php';
        include 'header.html';

        $passwordErr = "";
        $usernameErr = "";
        $emailErr = "";
        $rgst = "";  //register information

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

storefront.php

```
var items = [
    new Item("cat dolls", 5.5, 1),
    new Item("generals dolls", 5.5, 1),
    new Item("fishing dolls", 4.5, 1),
    new Item("wedding dolls", 6.6, 1),
    new Item("servants dolls", 6.6, 1),
    new Item("guards dolls", 6.6, 1),
];

var len = items.length;
for (var i = 0; i < items.length; i++) {
    items[i].display();

}

function redirectFunction(name){
    var product = name;
    localStorage.setItem("product",product);
    window.location.assign('view.php');
    for (var i = 0; i < items.length; i++) {
        if(items[i].name == name){
            var price = items[i].price;
            setCookie("price",price);
        }
    }

}
```

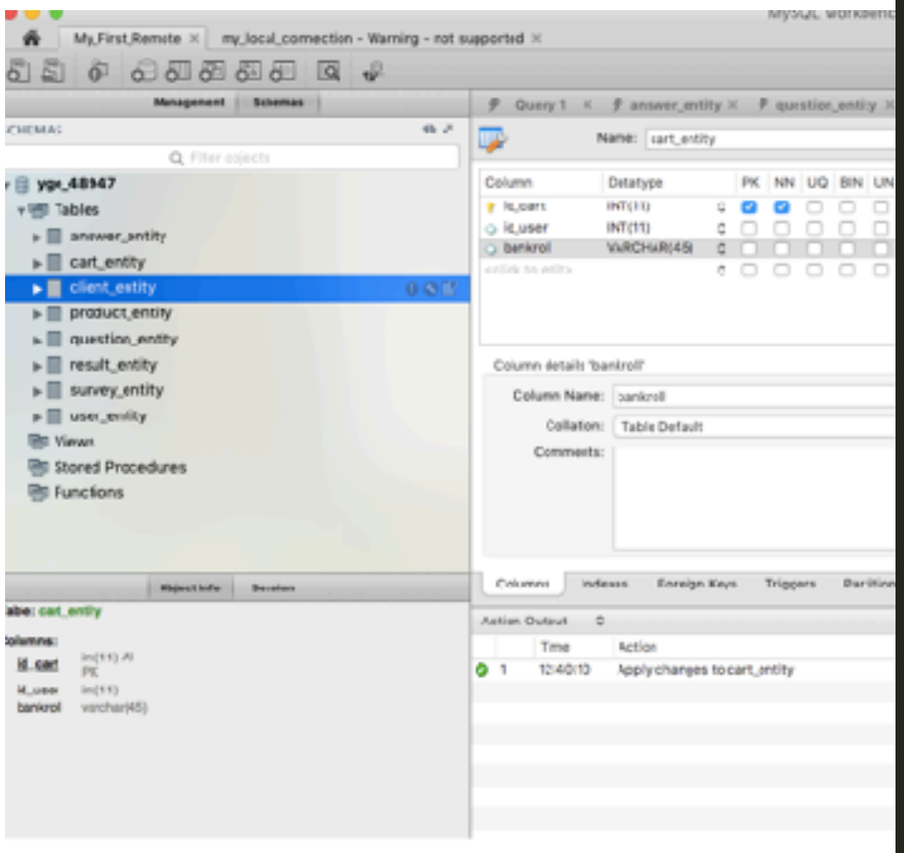
cart.php

```
function confirmFunction(){

    var numItems = localStorage.getItem("numItems");

    if(getCookie("username")){
    var total = 0;
    for (var i = 0; i < numItems; i++) {
        var cart = JSON.parse(localStorage.getItem(i));
        var q = document.getElementById("quantity"+i).value;
        var amount = Number(q * cart.price).toFixed(2);
        document.getElementById('amount'+i).innerHTML = amount;
        total = total+1 + amount+1;
        }
        document.getElementById("total").innerHTML = "Total Amount for the orders "+ Number(total).toF
    }

    var bankroll = Number(total).toFixed(2);
    setCookie("bankroll", bankroll,1);


}
    document.write("<p id='total'></p>");

function checkFunction(){

    window.location.assign('check.php');


}
```

4) Databases SQL - Identify Entities, Xref, and Enum Tables

- **filename: sql/connect_mysql.php & check.php**

- **code example:**




```php
and open the template in the editor.
-->

<html>
    <head>
        <title>Dolls from the Palace Museum </title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <link rel="stylesheet" type="text/css" href="stylesheet.css" >
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">


<?php

include "sql/connect_mysql.php";
include "header.html";

if(isset($_COOKIE['username'])){
        $username = $_COOKIE["username"];
        setcookie("username", $username, time() + (86400 * 30));
        echo "<p>Welcome to Doll Store!". $username ."</p>";
    }else{
        echo "<p>Plese sign into your account for shopping!</p>";
    }

$username = $_COOKIE['username'];

$id_user = "";
$sql = "SELECT id_user FROM client_entity WHERE username = '" . $username . "'";
      $result = $conn->query($sql);
      if ($result->num_rows > 0) {
          $row = $result->fetch_assoc();
          $id_user = $row['id_user'];


          session_start();
          $_SESSION['bankroll'] = $_COOKIE['bankroll'];

          $bankroll = $_SESSION['bankroll'];

          if($bankroll){

             $sql = "INSERT INTO cart_entity (id_user, bankroll)
             VALUES ('$id_user', '$bankroll')";
             if ($conn->query($sql) === TRUE) {
                    echo "New cart created successfully!";
                }

          }
          session_unset();
      }

             echo "<table align='center' cellspacing='0' cellpadding='5' width='75%'>
             <tr>
             <th>Cart Num</th>
```

check.php

5) Form Validation - Regular Expressions

- **filename:Login.php/registration.php…**

- **code example:**

registration.php

```php
registration.php

                $usernameErr = "Error!" . "$username" . " already exists in the database";
            } elseif ($count) == 1) {
                $emailErr = "Error!" . "$email" . " already exists in the database";
            } else {

                $sql = "INSERT INTO client_entity (username, email, password)
            VALUES ('$username', '$email', '$password')";  // The sha1() function uses the US Secure Hash Algorithm 1.

                if ($conn->query($sql) == TRUE) {
                    echo "New record created successfully";
                    $rgst = "Register successfully!<p>Go Back to Login page!Click<a href='Login.php'> ++here++ </a></p>";
                } else {
                    echo "Error: " . $sql . "<br>" . $conn->error;
                }
            }
        }
    }
    ?>


    <h2>++++++++++Register Form++++++++++</h2>

    <form class="form" action="registration.php" method="post" enctype="multipart/form-data" autocomplete="off">
        <p>User Name: <input type="text" placeholder="User Name" name="username" required
                             pattern="[a-zA-Z0-9]{2,15}" size="50"/>
            <span>Notesonly enter characters and numbers</span>
            <span style="color:red"><?php echo $usernameErr; ?></span></p>

        <p>Email:
            <input type="email" placeholder="Email" name="email" required
                   pattern="[\w+@[a-zA-Z_]+?\.[a-zA-Z]{2,6}]"
                   title="valid email address" size="50"/>
            <span style="color:red"><?php echo $emailErr; ?></span></p>

        <p>Password:
            <input type="password" placeholder="Password" name="password1" required
                   pattern="((?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,15})"
                   title="8 to 15 characters,with at least one uppercase letter, one lowercase letter, and one digit" size="50"/>
            <span>Note: 8 to 15 characters,with at least one uppercase letter, one lowercase letter, and one digit</span></p>

        <p>Confirm Password: <input type="password" placeholder="Confirm Password" name="password2" size="50" required/>
            <span style="color:red"><?php echo $passwordErr; ?></span></p>

        <input type="submit" value="Register" name="register" />

        <p><?php echo $rgst; ?></p>

         <h4>Already a member!<a href="Login.php">Join Us!</a>(Click for sign in)</h4></div>


    </form>
```

6)User-Admin-Login

- **filename: admin/userview.php&edit_user.php&delete_user.php**
- **code example:**

edit_user.php

```
<body>
    <?php
    // put your code here
    include '../sql/connect_mysql.php';

    $url = $_SERVER['REQUEST_URI'];
    $username = parse_url($url, PHP_URL_QUERY);

    echo "<p>Edit user: " . $username . "</p>";

    $sql = "SELECT id_user, username, email, password FROM client_entity WHERE username = '" . $username . "'";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        echo '<form action = "" method ="POST">
User name: <input type = "text" name = "name" value = ' . $row['username'] . '><br><br>
Email address: <input type = "text" name = "emailadd" value = ' . $row['email'] . '><br><br>
Password: <input type = "text" name = "pswd" value = ' . $row['password'] . '><br>
<input type = "submit" value = "Submit">
</form>';
    }

    if (isset($_POST['name']) && $_POST['name'] != $username) {
        $sql = "UPDATE client_entity SET username= '" . $_POST['name'] . " 'WHERE username = '" . $username . "'";
        if ($conn->query($sql) === TRUE) {
            echo "Username: Record has updated successfully<br>";
        } else {
            echo "Error updating record: " . $conn->error;
        }
    }

    if (isset($_POST['emailadd']) && $_POST['emailadd'] !== $row['email']) {
        $sql = "UPDATE client_entity SET email= '" . $_POST['emailadd'] . " 'WHERE username = '" . $username . "'";
        if ($conn->query($sql) === TRUE) {
            echo "Email: Record has updated successfully<br>";
        } else {
            echo "Error updating record: " . $conn->error;
        }
    }


    if (isset($_POST['pswd']) && $_POST['pswd'] != $row['password']) {
        $sql = "UPDATE client_entity SET password= '" . $_POST['pswd'] . " 'WHERE username = '" . $username . "'";
        if ($conn->query($sql) === TRUE) {
            echo "Password: Record has updated successfully";
        } else {
            echo "Error updating record: " . $conn->error;
        }
    }

    echo '<p>Go back to userview page!Click <a href="userview.php"> **here** </p>';
    ?>
```

7)Cookies - Sessions - Securing Pages

- **filename:Signout.php/check.php….**

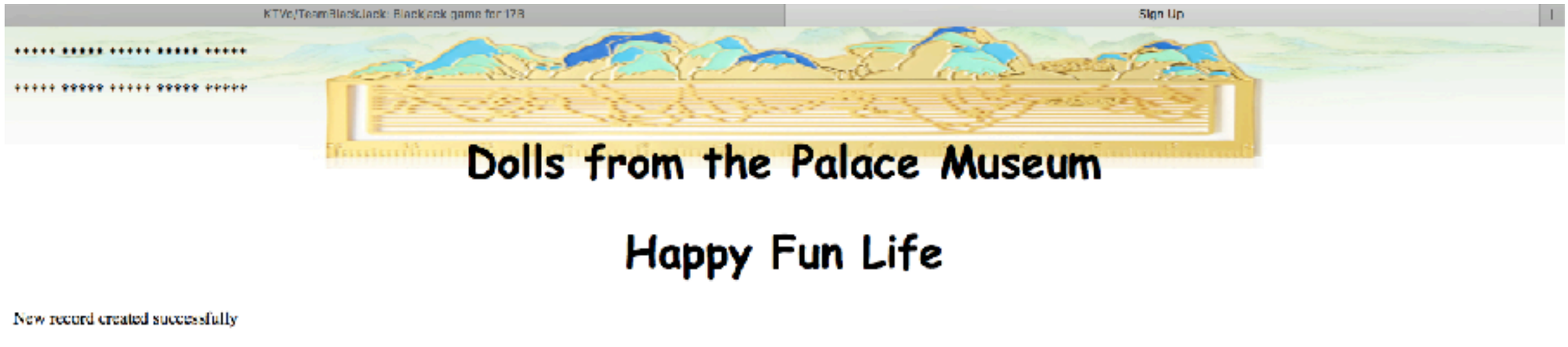
- **code example:**

```php
<?php

include "sql/connect_mysql.php";
include "header.html";

if(isset($_COOKIE['username'])){
        $username = $_COOKIE["username"];
        setcookie("username", $username, time() + (86400 * 30));
        echo "<p>Welcome to Doll Store!". $username .'</p>';
    }else{
        echo "<p>Plese sign into your account for shopping!</p>";
    }

$username = $_COOKIE['username'];

$id_user = "";
$sql = "SELECT id_user FROM client_entity WHERE username = '" . $username . "'";
      $result = $conn->query($sql);
      if ($result->num_rows > 0) {
          $row = $result->fetch_assoc();
          $id_user = $row['id_user'];


          session_start();
          $_SESSION['bankroll'] = $_COOKIE['bankroll'];

          $bankroll = $_SESSION['bankroll'];

          if($bankroll){

              $sql = "INSERT INTO cart_entity (id_user, bankroll)
              VALUES ('$id_user', '$bankroll')";
              if ($conn->query($sql) === TRUE) {
                  echo "New cart created successfully!";
                }

          }
          session_unset();
        }

          echo "<table align='center' cellspacing='0' cellpadding='5' width='75%'>
          <tr>
          <th>Cart Num</th>
          <th>Order Payment</th>
          </tr>";

$sql = "SELECT id_cart, bankroll FROM cart_entity WHERE id_user = '" . $id_user . "'";
$result = $conn->query($sql);
if ($result->num_rows > 0) {
          $i=0;
```

check.php

Display: registration

filename: registration.php



New record created successfully

************Register Form************

User Name: User Name Note:only enter characters and numbers

Email: Email

Password: Password Note: 8 to 15 characters,with at least one uppercase letter, one lowercase letter, and one digit

Confirm Password: Confirm Password

Register

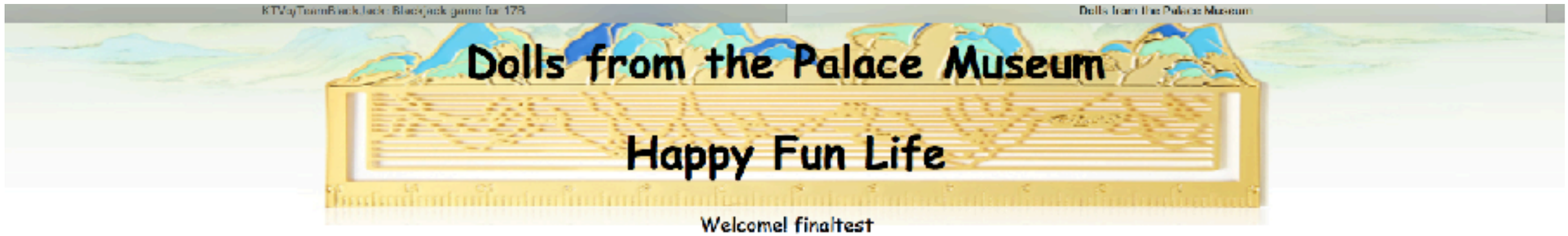
Register successfully!

Go Back to Login page!Click **here**

Already a member!Join Us!(Click for sign in)

Display: Login
filename: Login.php

Display:storefront
filename: storefront.php



GO! ☹Sign Out! ☺Sign In!

Product Name: cat dolls

Product Price: $ 5.5

Product Name: fishing dolls

Product Price: $ 4.5

Product Name: servants dolls

Product Price: $ 6.6

Product Name: generals dolls

Product Price: $ 5.5

Product Name: wedding dolls

Product Price: $ 6.6

Product Name: guards dolls

Product Price: $ 6.6

Display: view product
filename: view.php

Display: add more items(go back)
filename: storefront.php + view.php

Display: Go to cart filename: cart.php

Happy Fun Life

Welcome to Doll Store!finaltest

Sign Out! | Sign In!

Confirm Order! | Go for Check!

Shopping Cart

	Product Name	Price	Quantity	Amount
	cat dolls	5.5	1	5.50
	servants dolls	6.6	1	6.60

Display: change quantity filename: cart.php

Dolls from the Palace Museum

Happy Fun Life

Welcome to Doll Store!finaltest

Sign Out! | Sign In!

Total Amount for the order: 71.50

Confirm Order! | Go for Check!

Shopping Cart

	Product Name	Price	Quantity	Amount
	cut dolls	5.5	1	5.50
	servants dolls	6.6	10	66.00

Display: check
filename: check.php

Dolls from the Palace Museum

Happy Fun Life

Welcome to Doll Storelfinaltest

New cart created successfully! ☹Sign Out! ☺Sign In!

Cart Num	Order Payment
12	71.50

Display: Sign out
filename: signout.php

Welcome!

GO! Sign Out! Sign In!

Product Name: cat dolls

Product Price: $ 5.5

Product Name: fishing dolls

Product Price: $ 4.5

Product Name: servants dolls

Product Price: $ 6.6

Product Name: generals dolls

Product Price: $ 5.5

Product Name: wedding dolls

Product Price: $ 6.6

Product Name: guards dolls

Product Price: $ 6.6

Display: can’t confirm order after sign out
filename: signout.php

Display: admin
filename: userview.php

***** ***** ***** ***** *****

***** ***** ***** ***** *****

Edit	Delete	Username	Email	Password
Edit	Delete	user1	user1@example.com	User12345
Edit	Delete	user2	user2@example.com	User23456
Edit	Delete	test1	test1@example.com	TEST1abc
Edit	Delete	user88	user88@example.com	User88abc
Edit	Delete	London7	london7@example.com	London77
Edit	Delete	happy	happy@example.com	Happy123
Edit	Delete	final	final@example.com	Final1234
Edit	Delete	finaltest	finaltest@example.com	Finaltest17

Display: admin
filename: edit_user.php

***** ***** ***** ***** *****

***** ***** ***** ***** *****

Edit user: user1

User name: user1

Email address: user1@example.com

Password: User12345

Submit

Username: Record has updated successfully

Go back to userview page!Click ***here***

Display: admin
filename: delete_user.php

***** ***** ***** ***** *****

***** ***** ***** ***** *****

Do you want to continue to delete user12?

- Yes
- No

submit

No record is deleted!

Go back to userview page!Click ***here***