CDS4010 Web Programming

--- Secondhand Goods Market Web Platform

Group 5:

TAM Yuk Sum 4122014

Ng Ngai Fung 4112150

Outline:

- Background
- Front-end framework
- Database connection
- Home page
- Signup
- Login
- Logout
- Product Upload
- Product Information and purchase

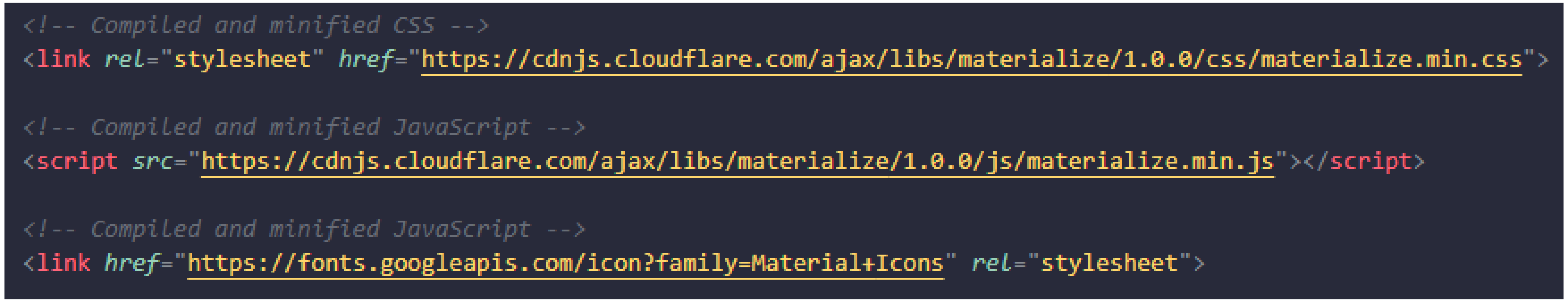
Background

We use Carousell as a model;
and extract some of their features as our project.

Besides, we absorb other characteristics from other similar websites and merge them into this website.

Front-end framework

Materialize



```
<!-- Compiled and minified CSS -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">

<!-- Compiled and minified JavaScript -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>

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<link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
```

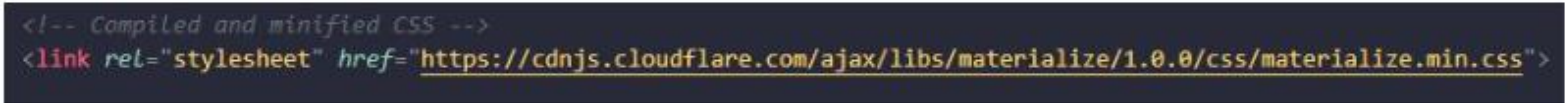

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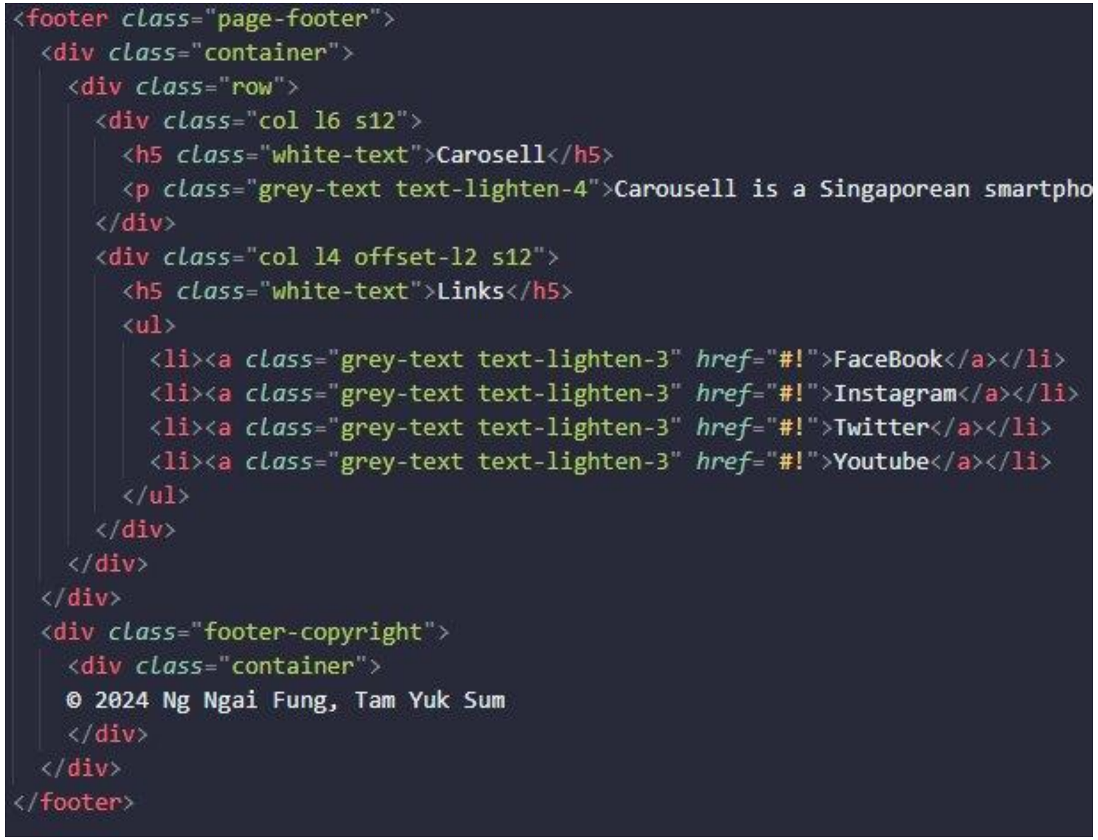
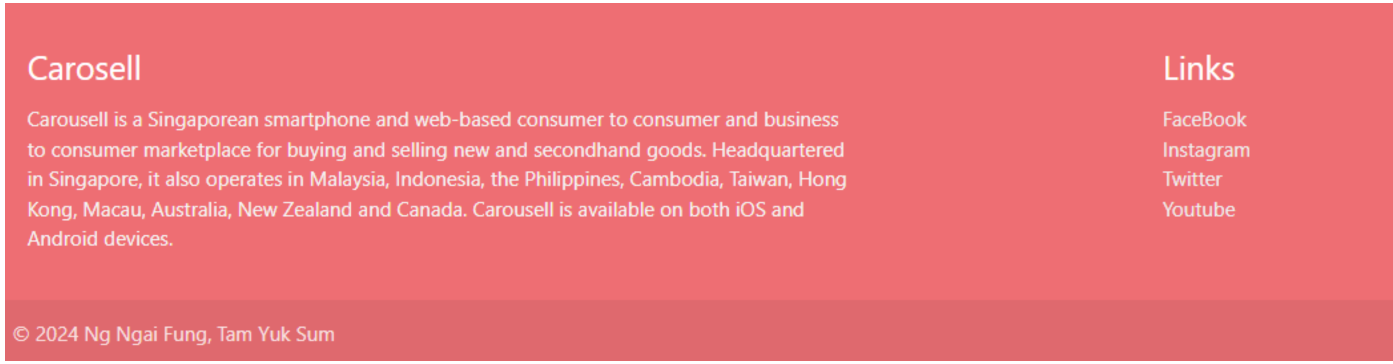


```
<footer class="page-footer">
  <div class="container">
    <div class="row">
      <div class="col l6 s12">
        <h5 class="white-text">Carosell</h5>
        <p class="grey-text text-lighten-4">Carousell is a Singaporean smartpho
      </div>
      <div class="col l4 offset-l2 s12">
        <h5 class="white-text">Links</h5>
        <ul>
          <li><a class="grey-text text-lighten-3" href="#!">FaceBook</a></li>
          <li><a class="grey-text text-lighten-3" href="#!">Instagram</a></li>
          <li><a class="grey-text text-lighten-3" href="#!">Twitter</a></li>
          <li><a class="grey-text text-lighten-3" href="#!">Youtube</a></li>
        </ul>
      </div>
    </div>
  </div>
  <div class="footer-copyright">
    <div class="container">
    © 2024 Ng Ngai Fung, Tam Yuk Sum
    </div>
  </div>
</footer>
```



Carosell

Carousell is a Singaporean smartphone and web-based consumer to consumer and business to consumer marketplace for buying and selling new and secondhand goods. Headquartered in Singapore, it also operates in Malaysia, Indonesia, the Philippines, Cambodia, Taiwan, Hong Kong, Macau, Australia, New Zealand and Canada. Carousell is available on both iOS and Android devices.

Links

FaceBook
Instagram
Twitter
Youtube

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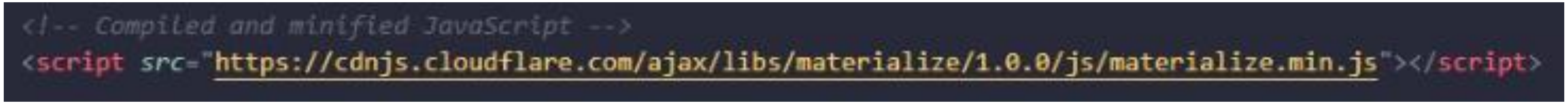

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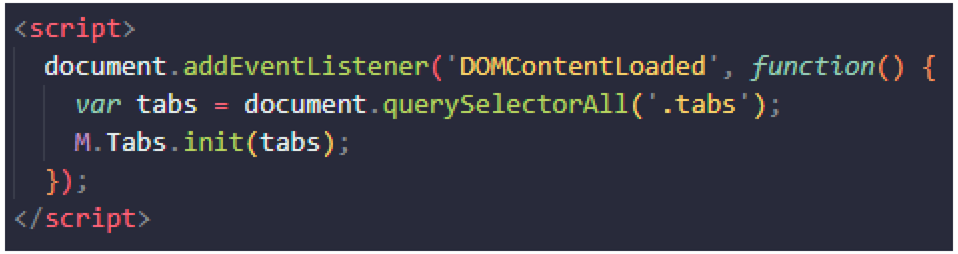

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    var tabs = document.querySelectorAll('.tabs');
    M.Tabs.init(tabs);
  });
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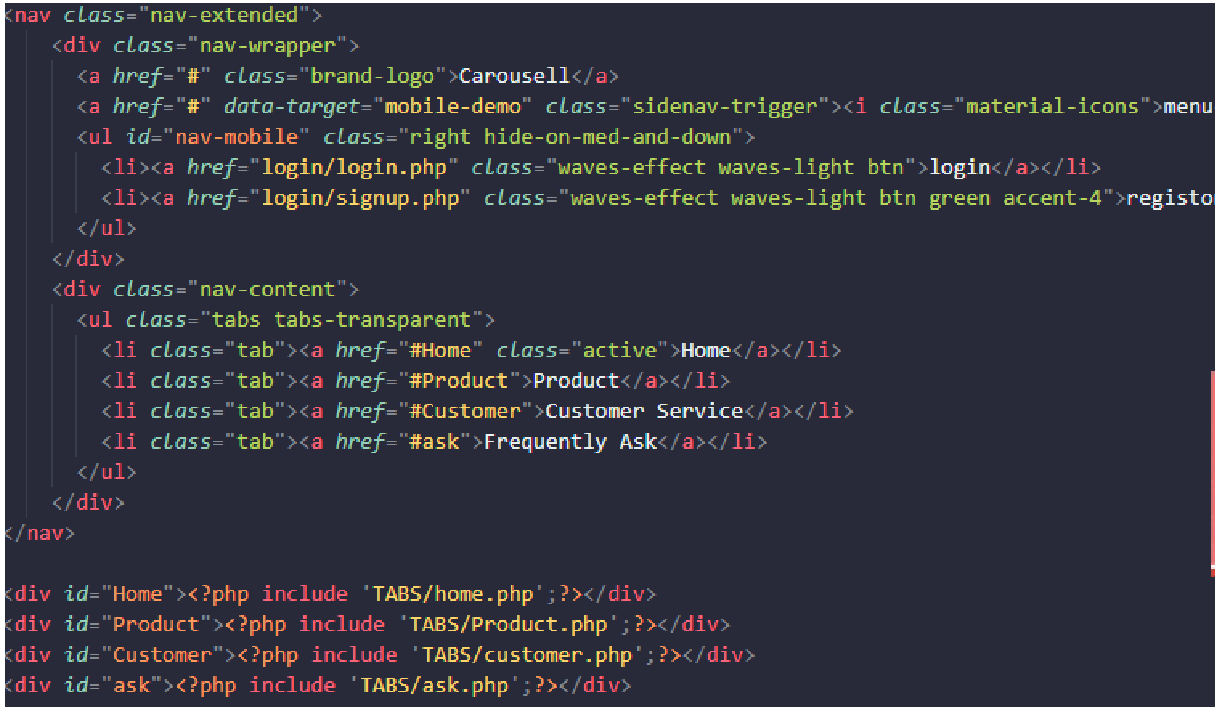

```html
<nav class="nav-extended">
    <div class="nav-wrapper">
      <a href="#" class="brand-logo">Carousell</a>
      <a href="#" data-target="mobile-demo" class="sidenav-trigger"><i class="material-icons">menu</i></a>
      <ul id="nav-mobile" class="right hide-on-med-and-down">
        <li><a href="login/login.php" class="waves-effect waves-light btn">login</a></li>
        <li><a href="login/signup.php" class="waves-effect waves-light btn green accent-4">registor</a></li>
      </ul>
    </div>
    <div class="nav-content">
      <ul class="tabs tabs-transparent">
        <li class="tab"><a href="#Home" class="active">Home</a></li>
        <li class="tab"><a href="#Product">Product</a></li>
        <li class="tab"><a href="#Customer">Customer Service</a></li>
        <li class="tab"><a href="#ask">Frequently Ask</a></li>
      </ul>
    </div>
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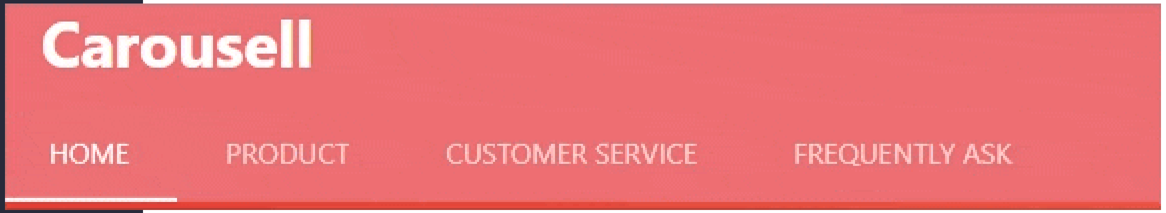

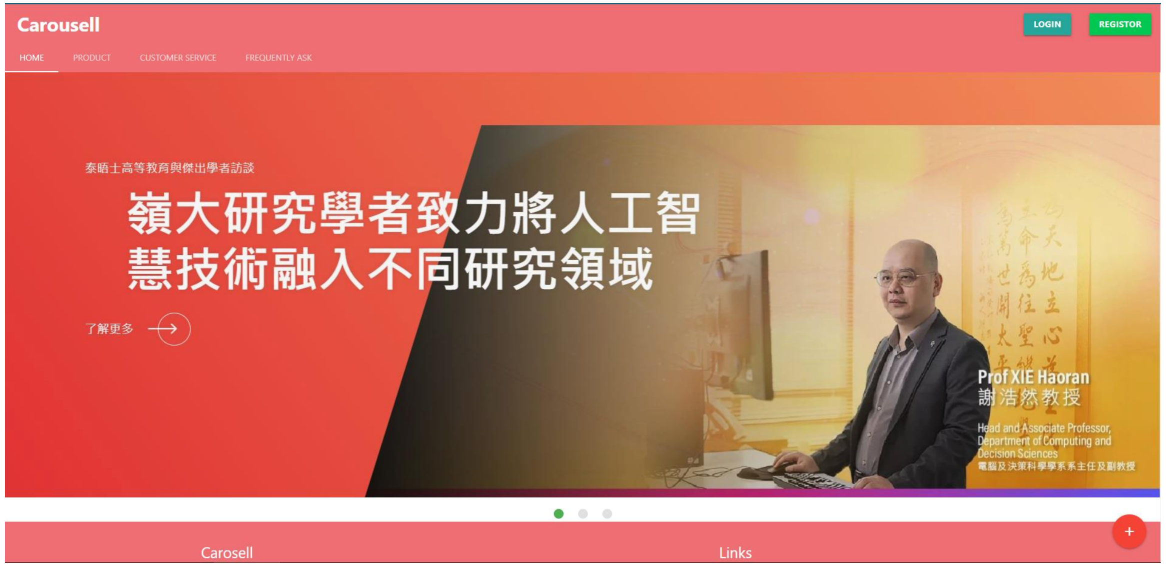

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Carosell

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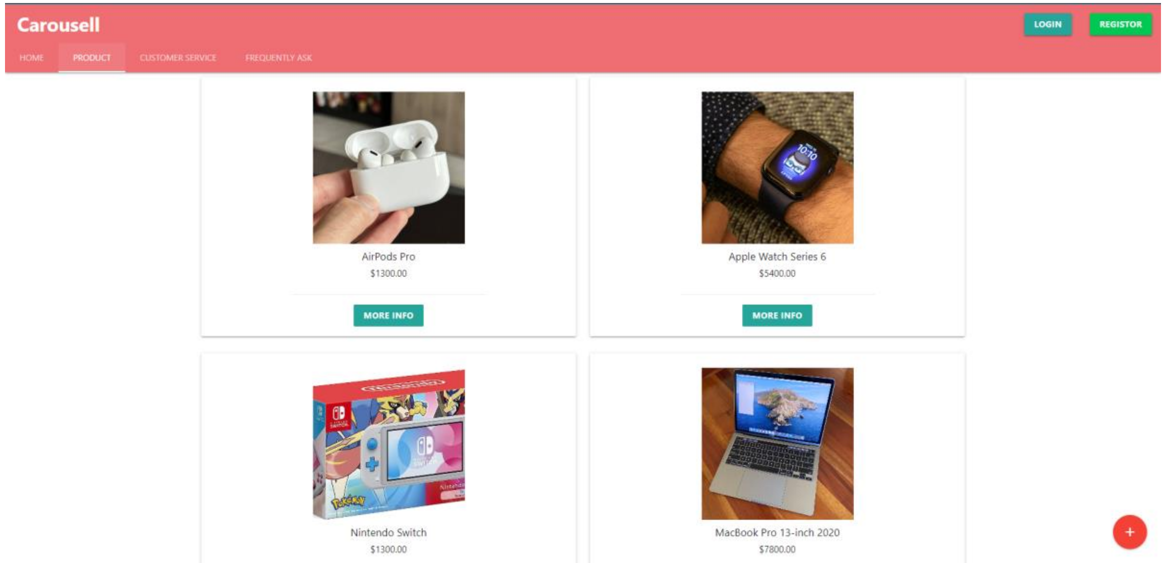
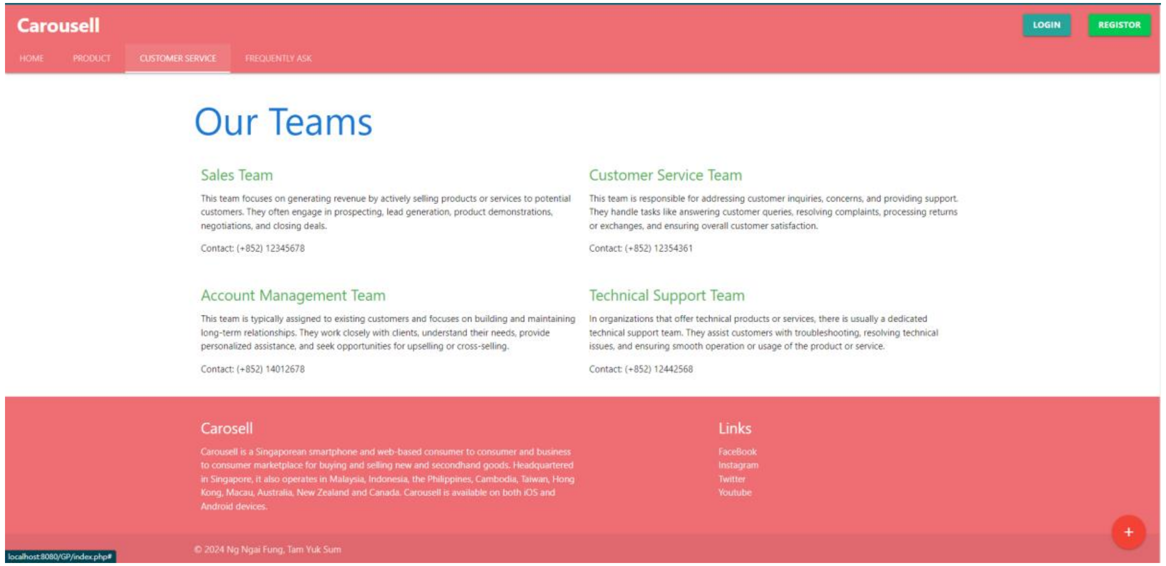


AirPods Pro $1300.00	Apple Watch Series 6 $5400.00
Nintendo Switch $1300.00	MacBook Pro 13-inch 2020 $7800.00



Our Teams

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Contact: (+852) 12345678

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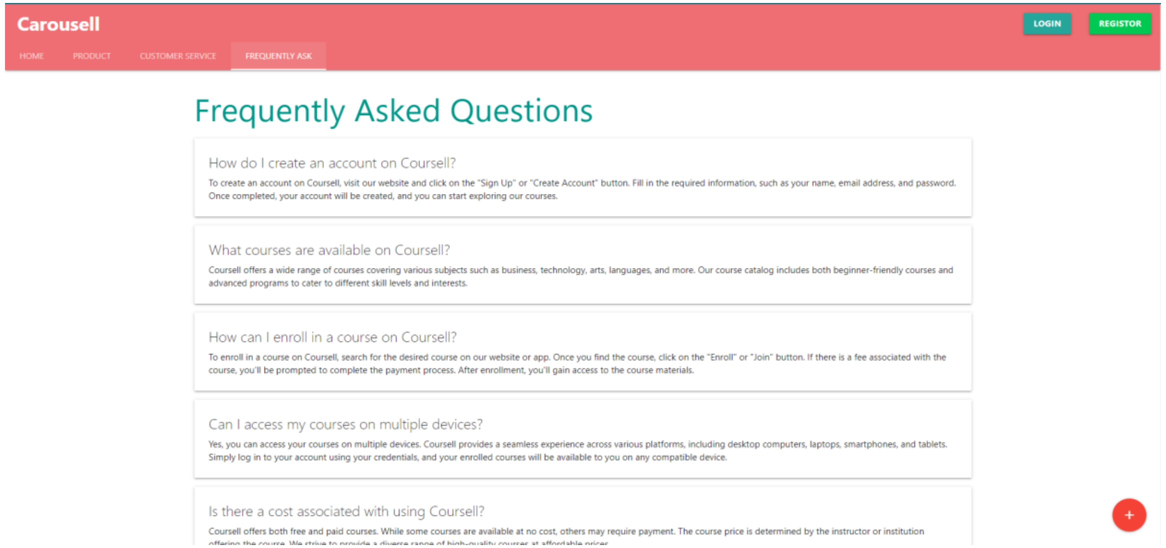
localhost:8080/GP/index.php#



Frequently Asked Questions

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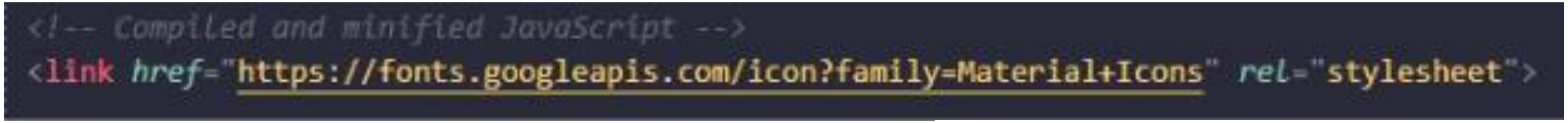
Can I access my courses on multiple devices?

Yes, you can access your courses on multiple devices. Coursell provides a seamless experience across various platforms, including desktop computers, laptops, smartphones, and tablets. Simply log in to your account using your credentials, and your enrolled courses will be available to you on any compatible device.

Is there a cost associated with using Coursell?

Coursell offers both free and paid courses. While some courses are available at no cost, others may require payment. The course price is determined by the instructor or institution offering the course. We strive to provide a diverse range of high-quality courses at affordable prices.



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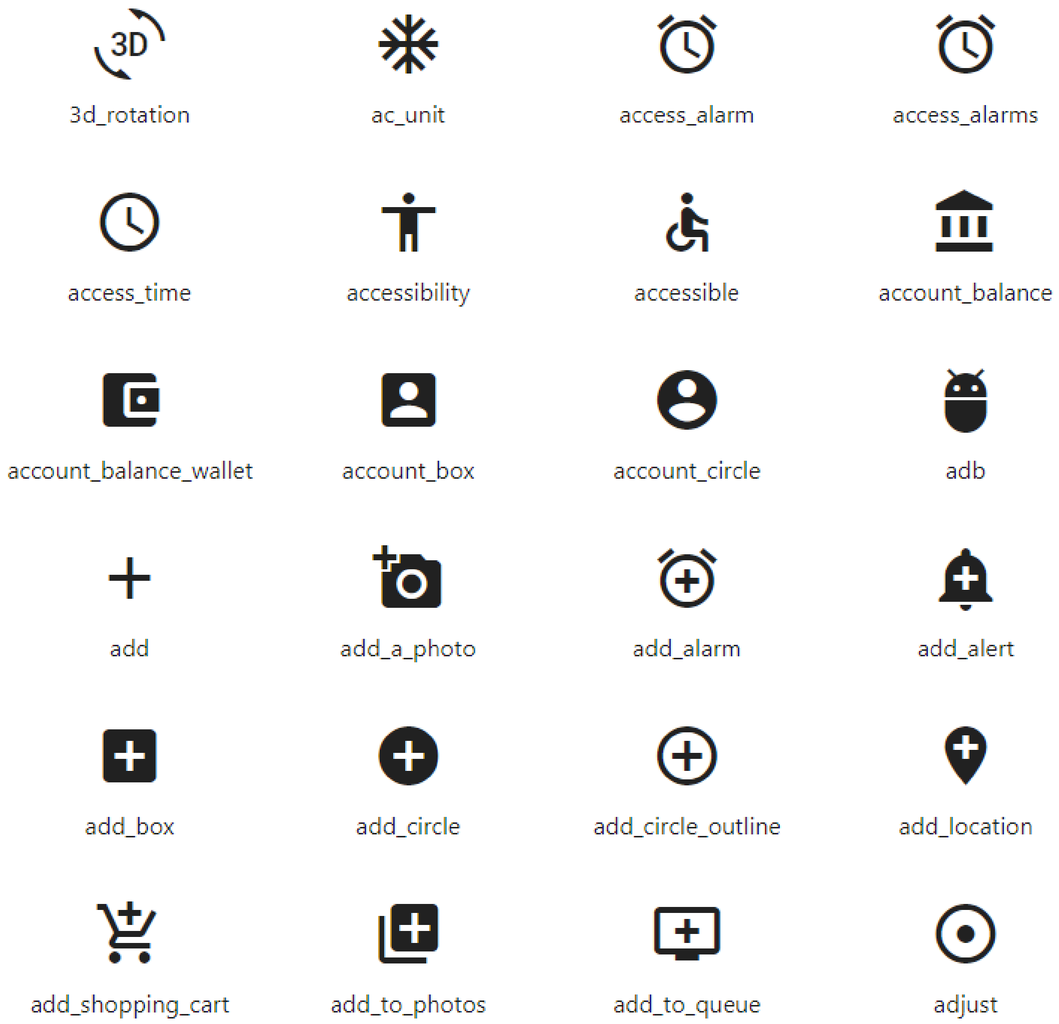
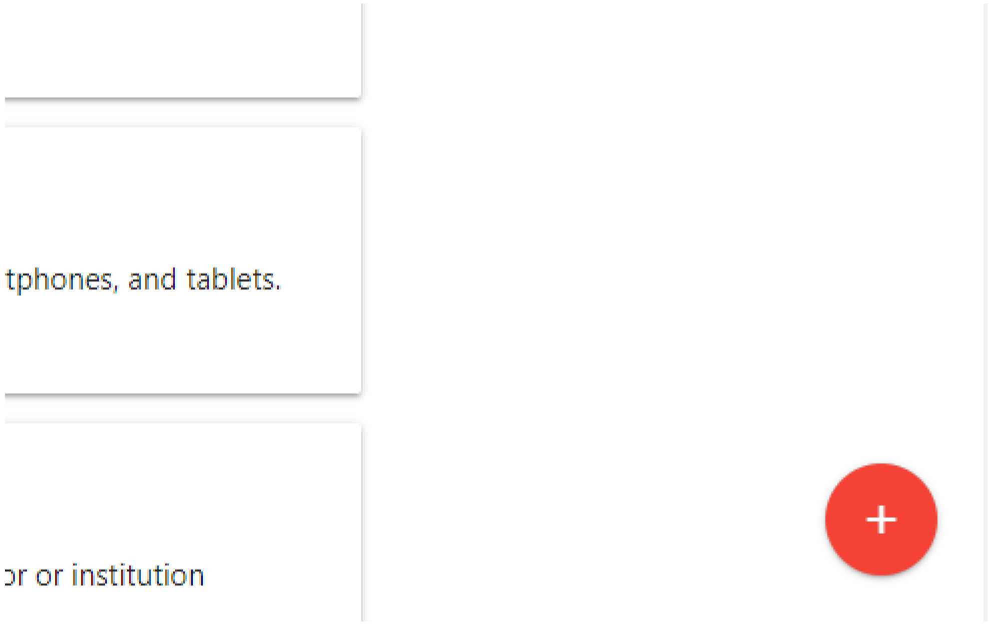


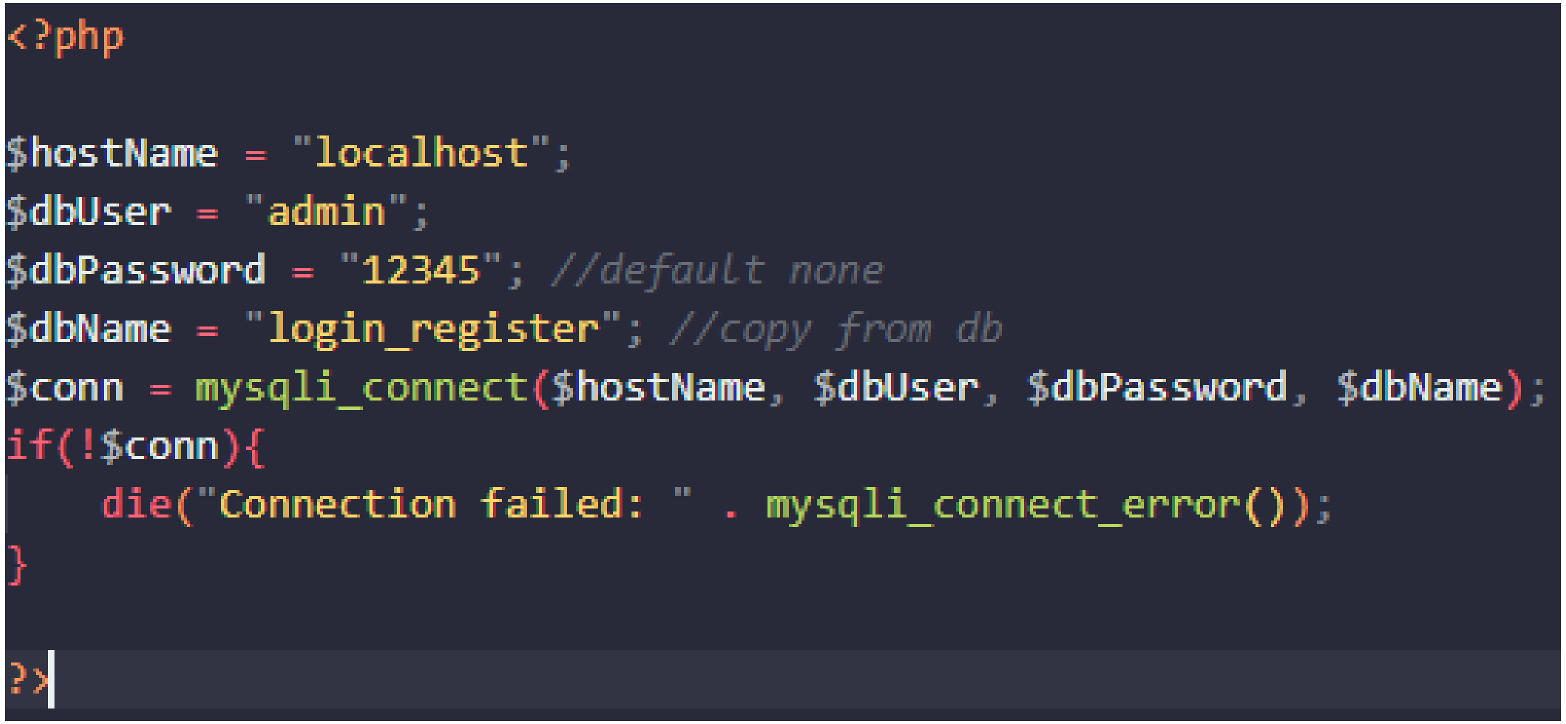


tphones, and tablets.

or or institution

Database Connection

database.php



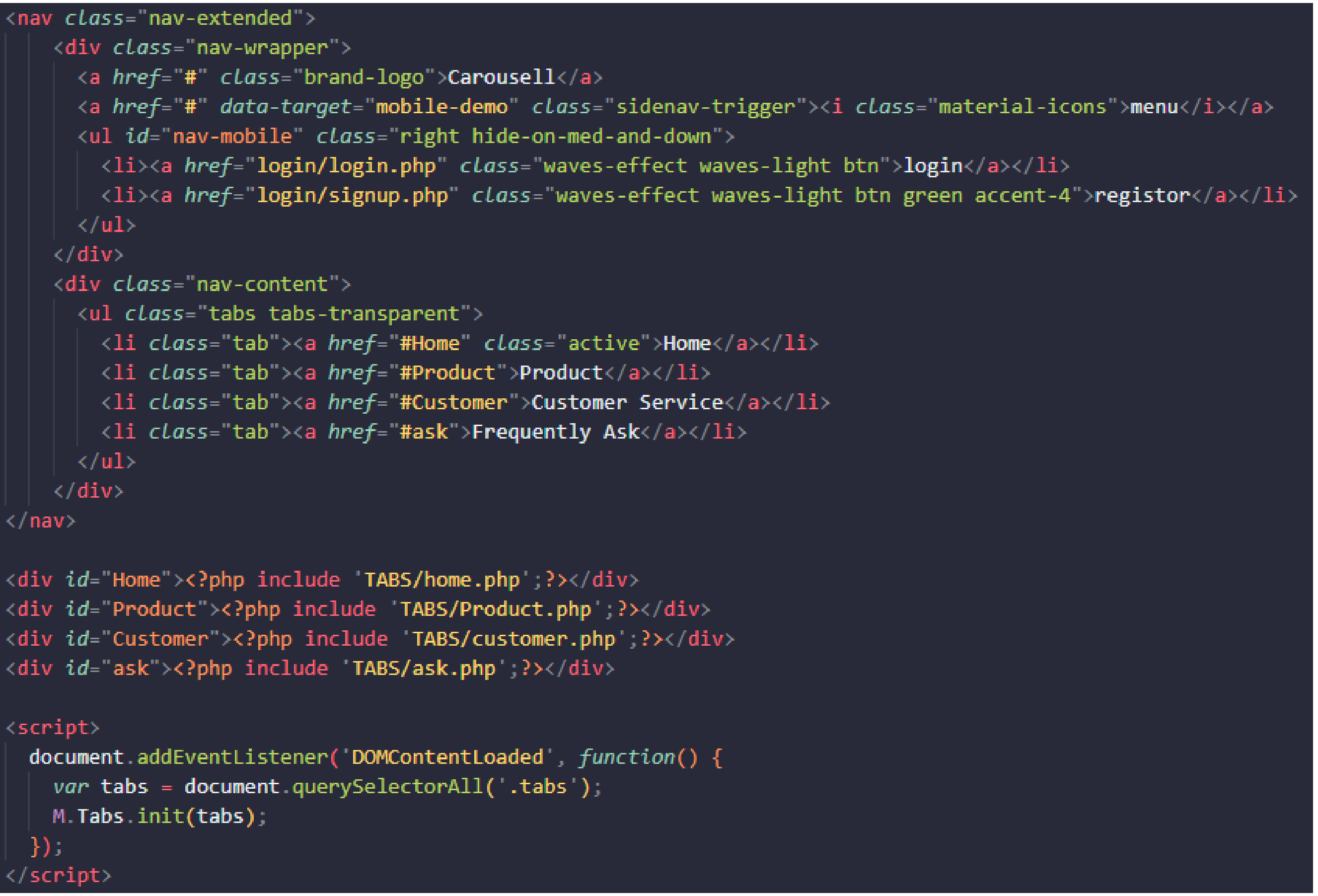
```php
<?php

$hostName = "localhost";
$dbUser = "admin";
$dbPassword = "12345"; //default none
$dbName = "login_register"; //copy from db
$conn = mysqli_connect($hostName, $dbUser, $dbPassword, $dbName);
if(!$conn){
    die("Connection failed: " . mysqli_connect_error());
}

?>
```

Home Page

Navigation Bar with tabs



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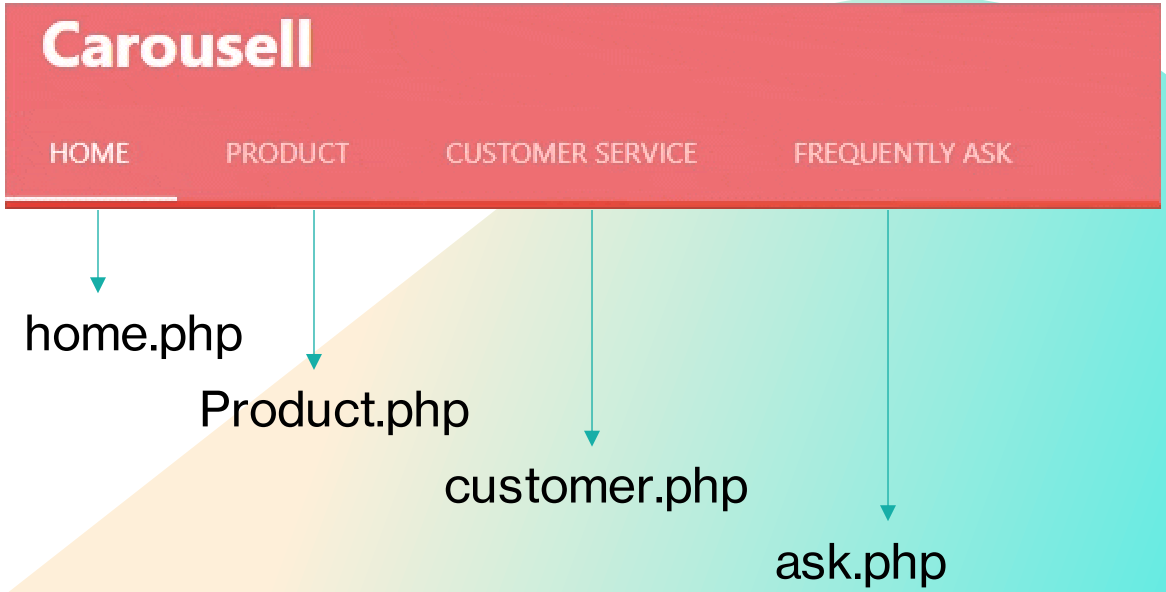
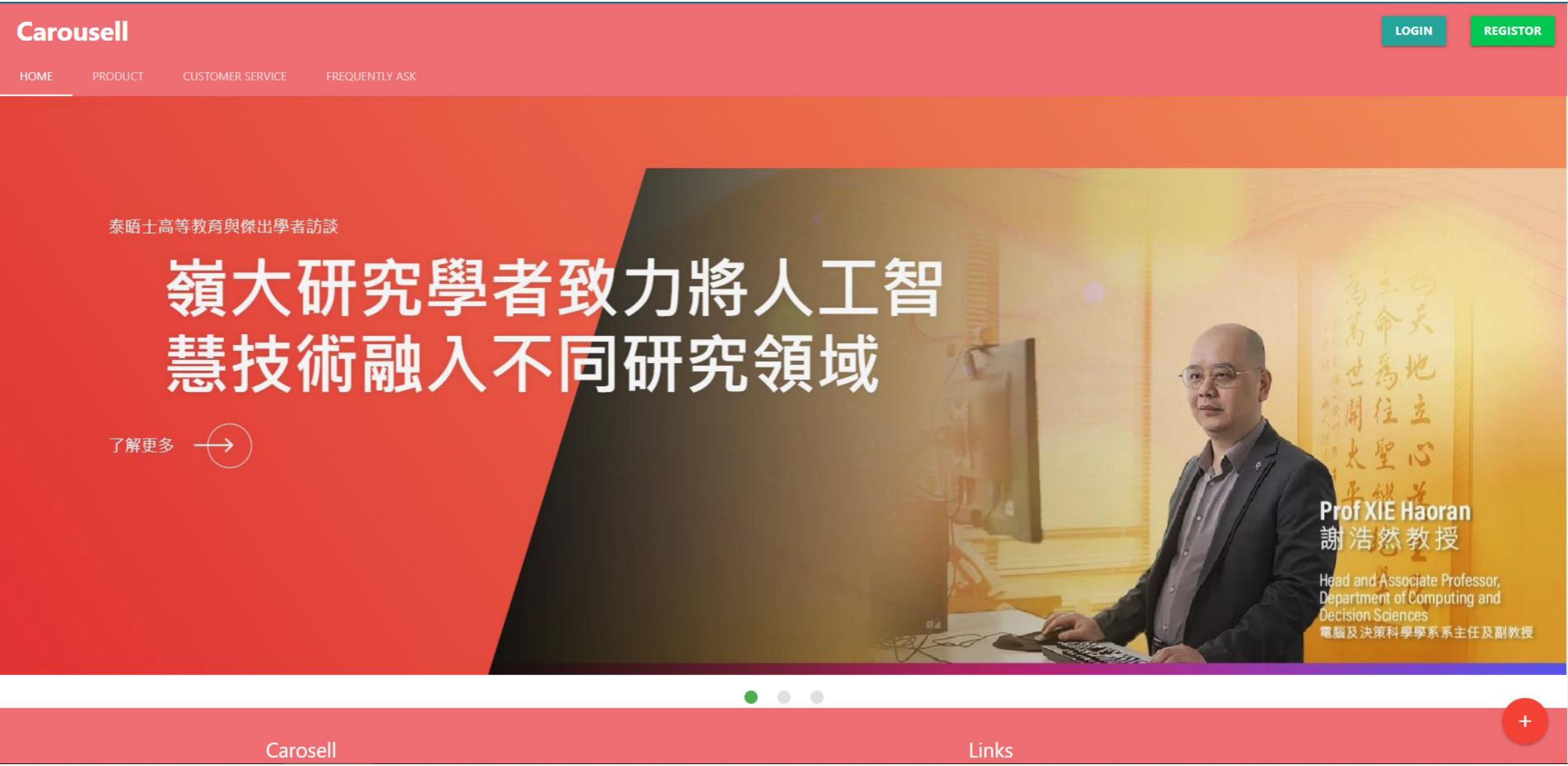


home.php

Product.php

customer.php

ask.php



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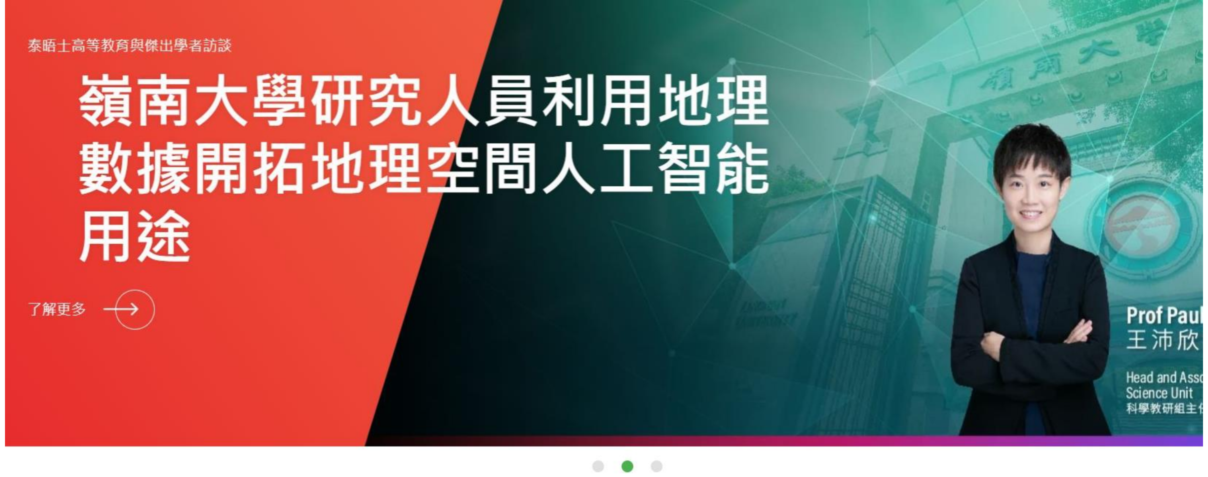
電腦及決策科學學系系主任及副教授

Home.php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嶺南大學研究人員利用地理數據開拓地理空間人工智能用途
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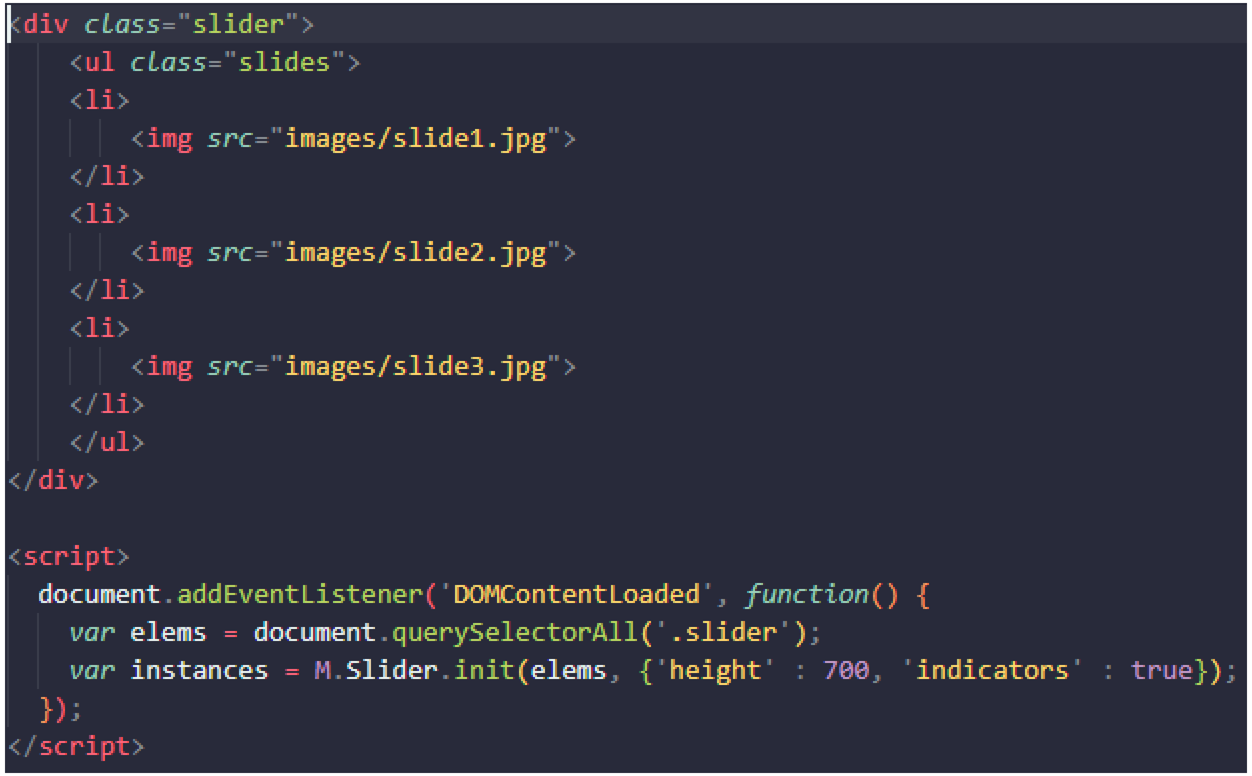
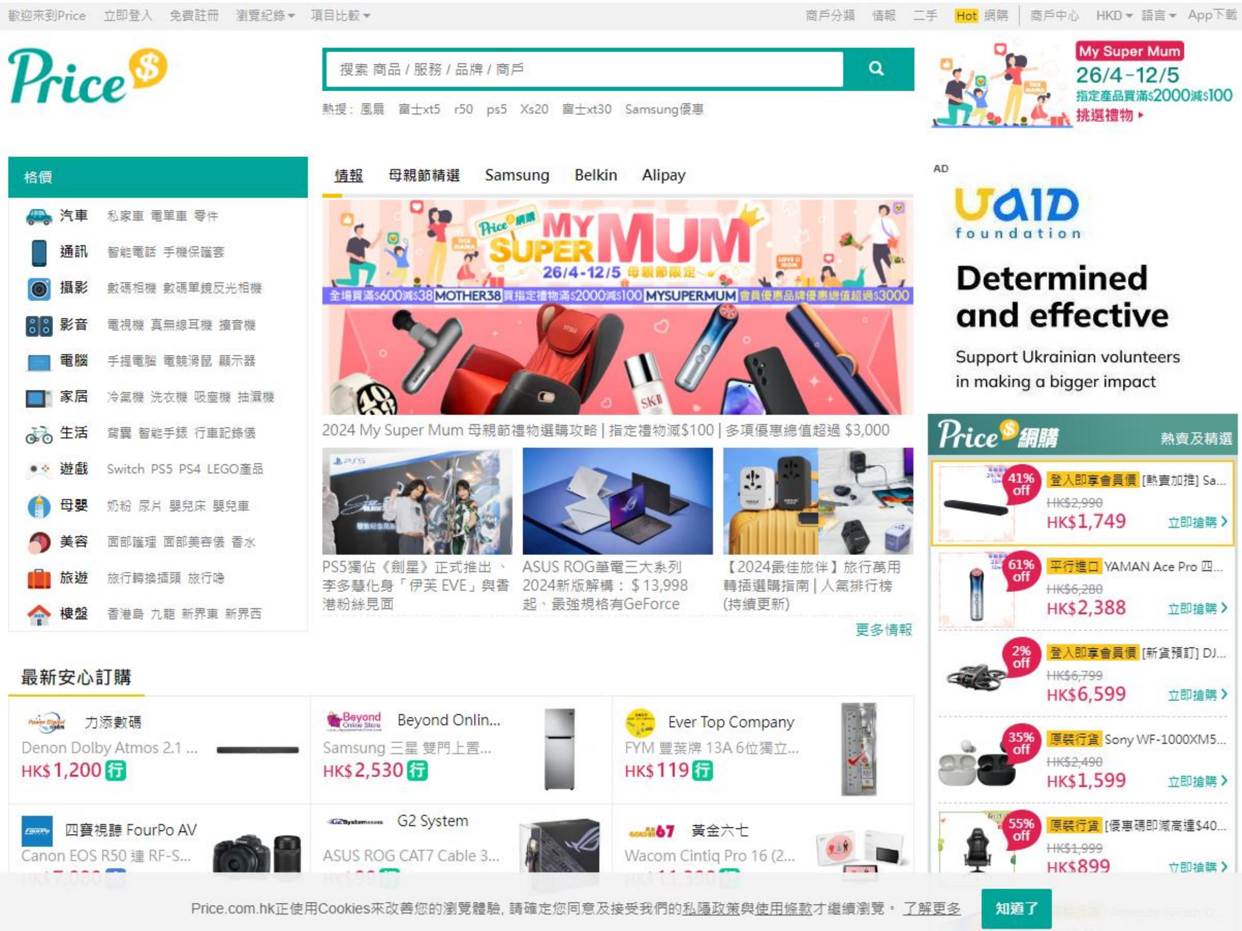
Prof Paul
王沛欣
Head and Ass
Science Unit
科學教研組主



```
<div class="slider">
    <ul class="slides">
    <li>
        <img src="images/slide1.jpg">
    </li>
    <li>
        <img src="images/slide2.jpg">
    </li>
    <li>
        <img src="images/slide3.jpg">
    </li>
    </ul>
</div>

<script>
  document.addEventListener('DOMContentLoaded', function() {
    var elems = document.querySelectorAll('.slider');
    var instances = M.Slider.init(elems, {'height' : 700, 'indicators' : true});
  });
</script>
```



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Price

搜索 商品 / 服務 / 品牌 / 商戶

熱搜： 風扇 富士xt5 r50 ps5 Xs20 富士xt30 Samsung優惠

My Super Mum 26/4-12/5 指定產品買滿$2000減$100 挑選禮物

格價

汽車	私家車 電單車 零件
通訊	智能電話 手機保護套
攝影	數碼相機 數碼單鏡反光相機
影音	電視機 真無線耳機 擴音機
電腦	手提電腦 電競滑鼠 顯示器
家居	冷氣機 洗衣機 吸塵機 抽濕機
生活	背囊 智能手錶 行車記錄儀
遊戲	Switch PS5 PS4 LEGO產品
母嬰	奶粉 尿片 嬰兒床 嬰兒車
美容	面部護理 面部美容儀 香水
旅遊	旅行轉換插頭 旅行喼
樓盤	香港島 九龍 新界東 新界西

情報 母親節精選 Samsung Belkin Alipay

Price 網購 MY SUPER MUM 26/4-12/5 母親節限定 全場買滿$600減$38 MOTHER38 買指定禮物滿$2000減$100 MYSUPERMUM 會員優惠品牌優惠總值超過$3000

2024 My Super Mum 母親節禮物選購攻略 | 指定禮物減$100 | 多項優惠總值超過 $3,000

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ASUS ROG筆電三大系列 2024新版解構：$ 13,998起、最強規格有GeForce

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力添數碼
Denon Dolby Atmos 2.1 ...
HK$1,200 行

Beyond Onlin...
Samsung 三星 雙門上置...
HK$2,530 行

Ever Top Company
FYM 豐葉牌 13A 6位獨立...
HK$119 行

四寶視聽 FourPo AV
Canon EOS R50 連 RF-S...

G2 System
ASUS ROG CAT7 Cable 3...

黃金六七
Wacom Cintiq Pro 16 (2...

AD

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Determined and effective

Support Ukrainian volunteers in making a bigger impact

Price 網購 熱賣及精選

41% off 登入即享會員價 [熱賣加推] Sa...
~~HK$2,990~~
HK$1,749 立即搶購

61% off 平行進口 YAMAN Ace Pro 四...
~~HK$6,280~~
HK$2,388 立即搶購

2% off 登入即享會員價 [新貨預訂] DJ...
~~HK$6,799~~
HK$6,599 立即搶購

35% off 原裝行貨 Sony WF-1000XM5...
~~HK$2,490~~
HK$1,599 立即搶購

55% off 原裝行貨 [優惠碼即減高達$40...
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HK$899 立即搶購

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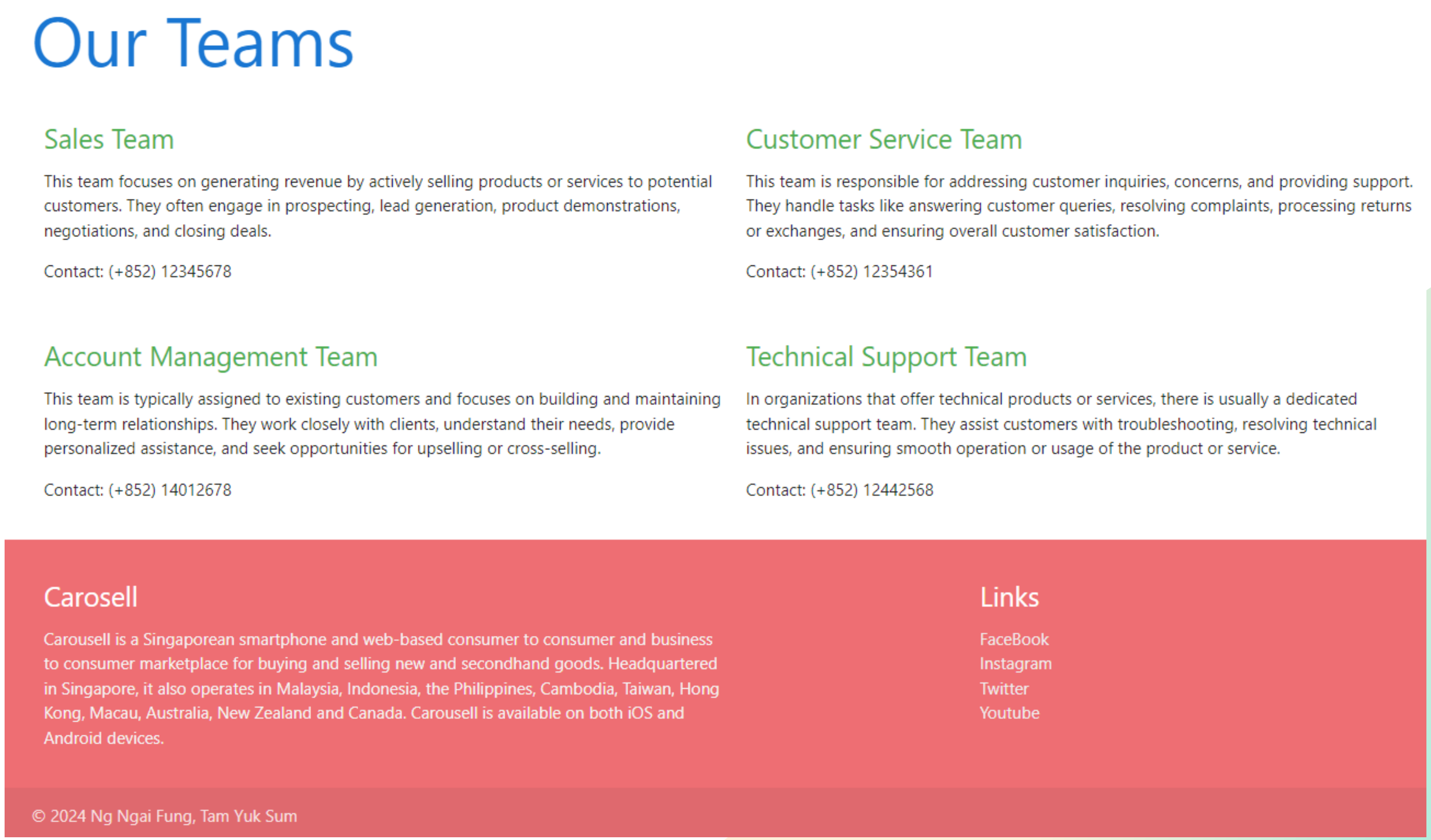
customer.php



Our Teams

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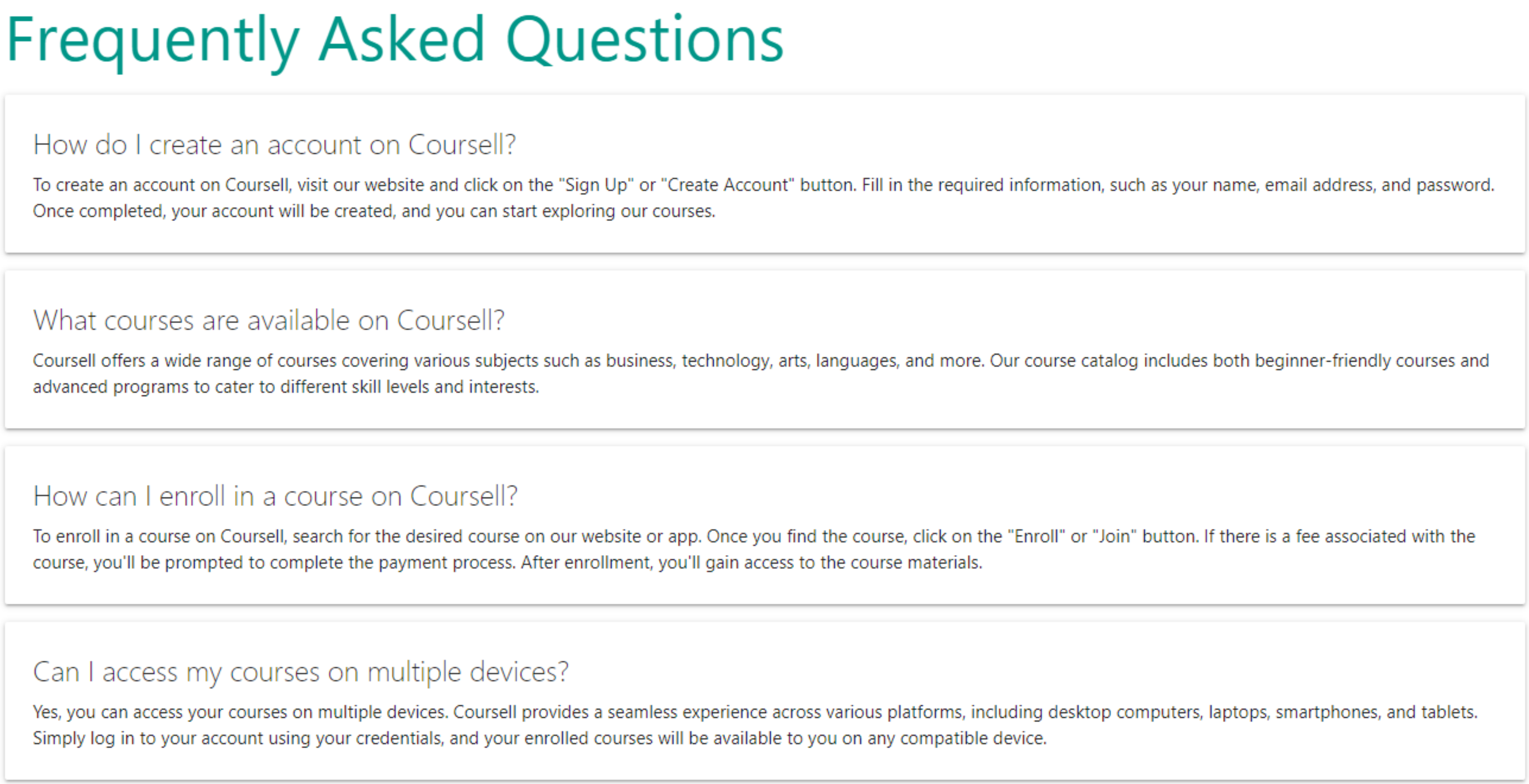

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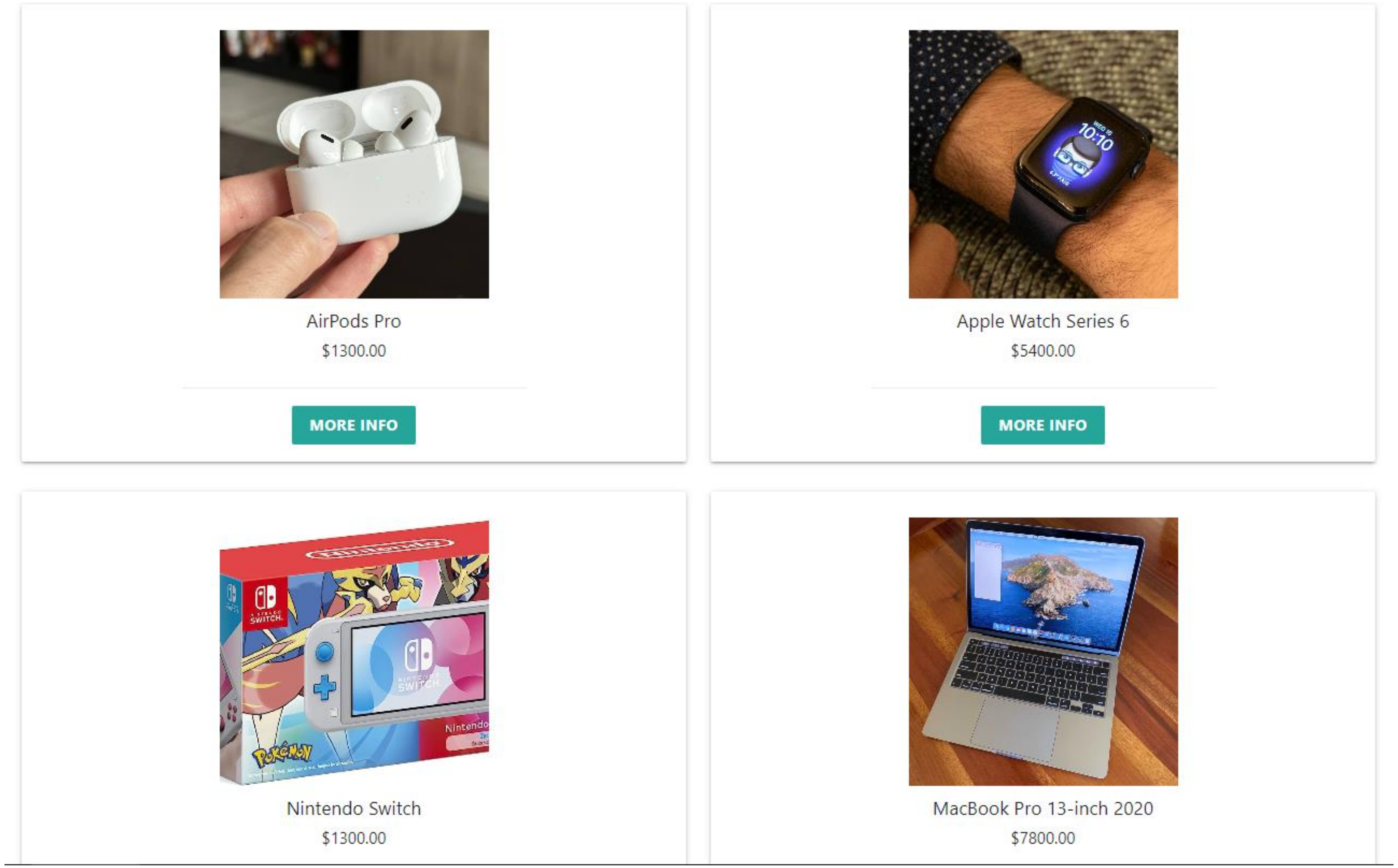


AirPods Pro

$1300.00

Apple Watch Series 6

$5400.00

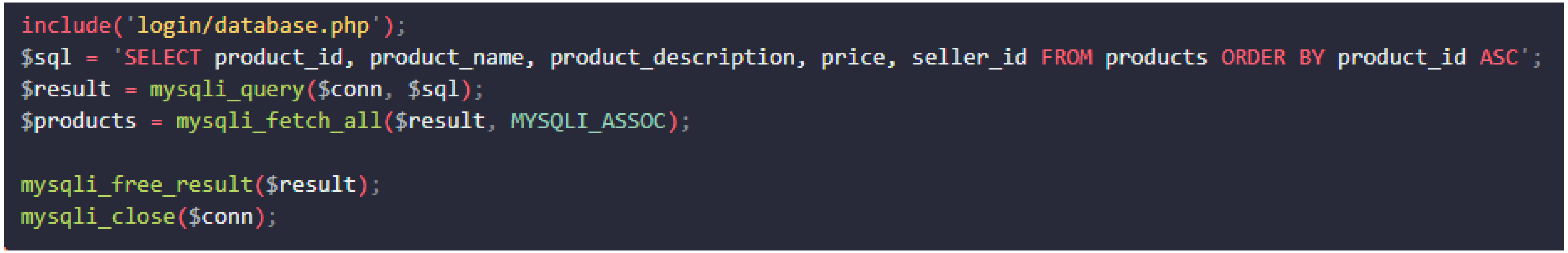
Nintendo Switch

$1300.00

MacBook Pro 13-inch 2020

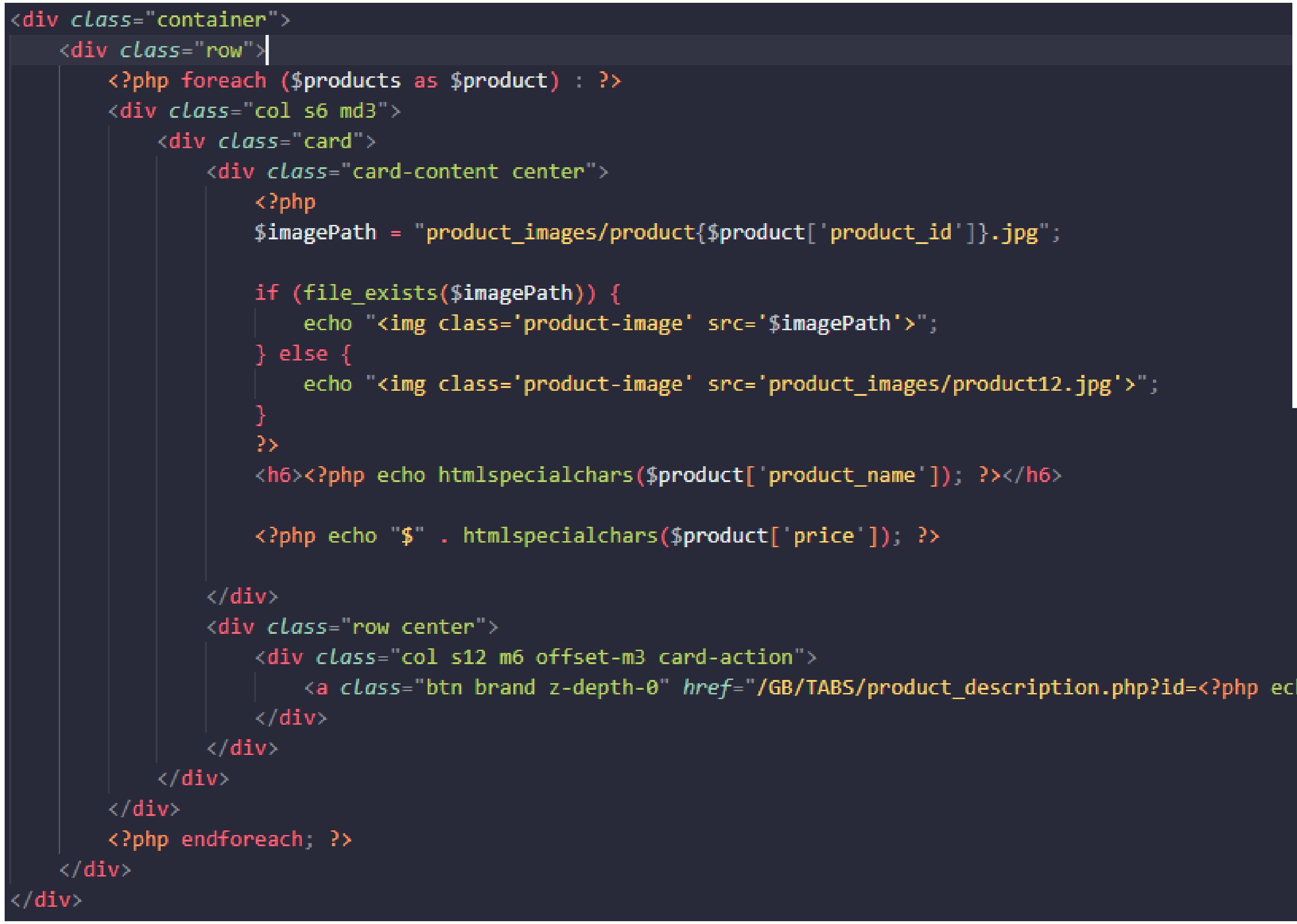
$7800.00

Collect product data

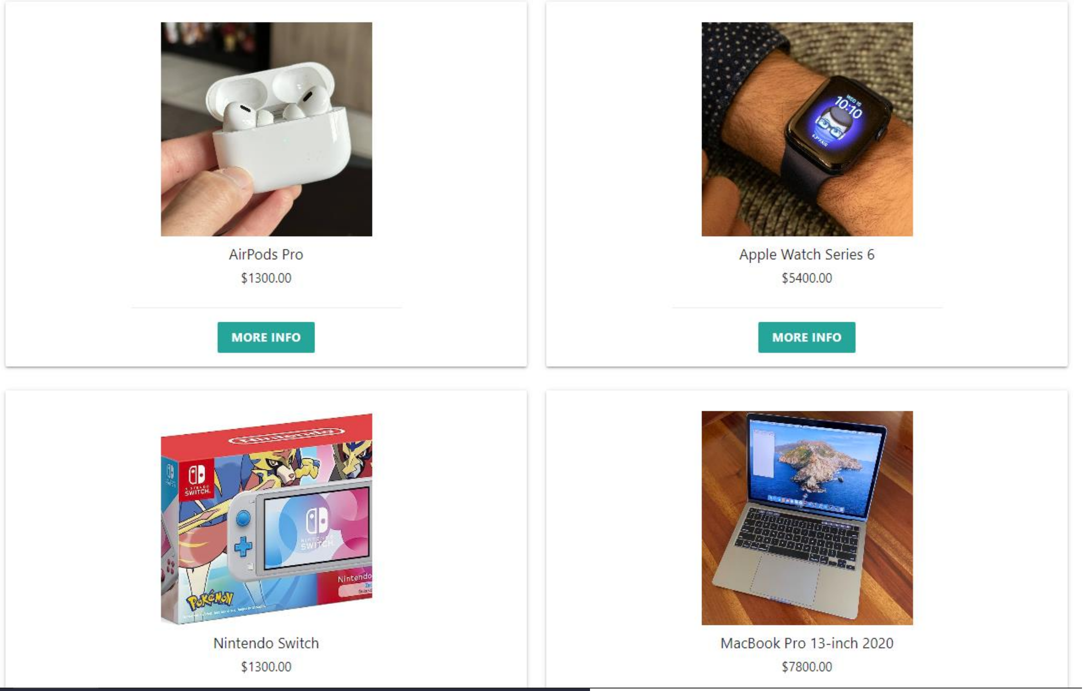


```
include('login/database.php');
$sql = 'SELECT product_id, product_name, product_description, price, seller_id FROM products ORDER BY product_id ASC';
$result = mysqli_query($conn, $sql);
$products = mysqli_fetch_all($result, MYSQLI_ASSOC);

mysqli_free_result($result);
mysqli_close($conn);
```

Display project



```
<div class="container">
    <div class="row">
        <?php foreach ($products as $product) : ?>
        <div class="col s6 md3">
            <div class="card">
                <div class="card-content center">
                    <?php
                    $imagePath = "product_images/product{$product['product_id']}.jpg";

                    if (file_exists($imagePath)) {
                        echo "<img class='product-image' src='$imagePath'>";
                    } else {
                        echo "<img class='product-image' src='product_images/product12.jpg'>";
                    }
                    ?>
                    <h6><?php echo htmlspecialchars($product['product_name']); ?></h6>

                    <?php echo "$" . htmlspecialchars($product['price']); ?>

                </div>
                <div class="row center">
                    <div class="col s12 m6 offset-m3 card-action">
                        <a class="btn brand z-depth-0" href="/GB/TABS/product_description.php?id=<?php echo $product['product_id']; ?>"> More INFO</a>
                    </div>
                </div>
            </div>
        </div>
        <?php endforeach; ?>
    </div>
</div>
```



AirPods Pro

$1300.00

Apple Watch Series 6

$5400.00

Nintendo Switch

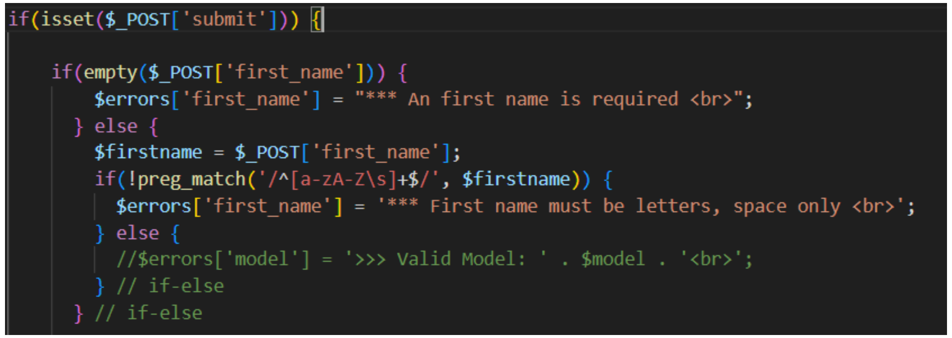
$1300.00

MacBook Pro 13-inch 2020

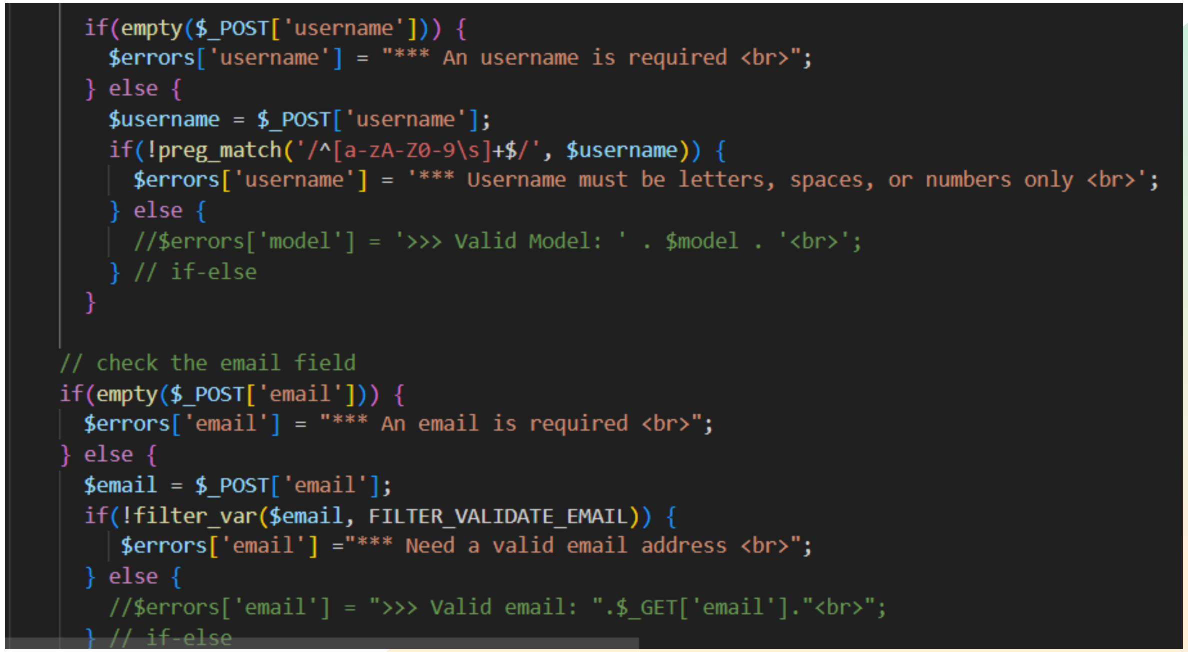
$7800.00

Signup

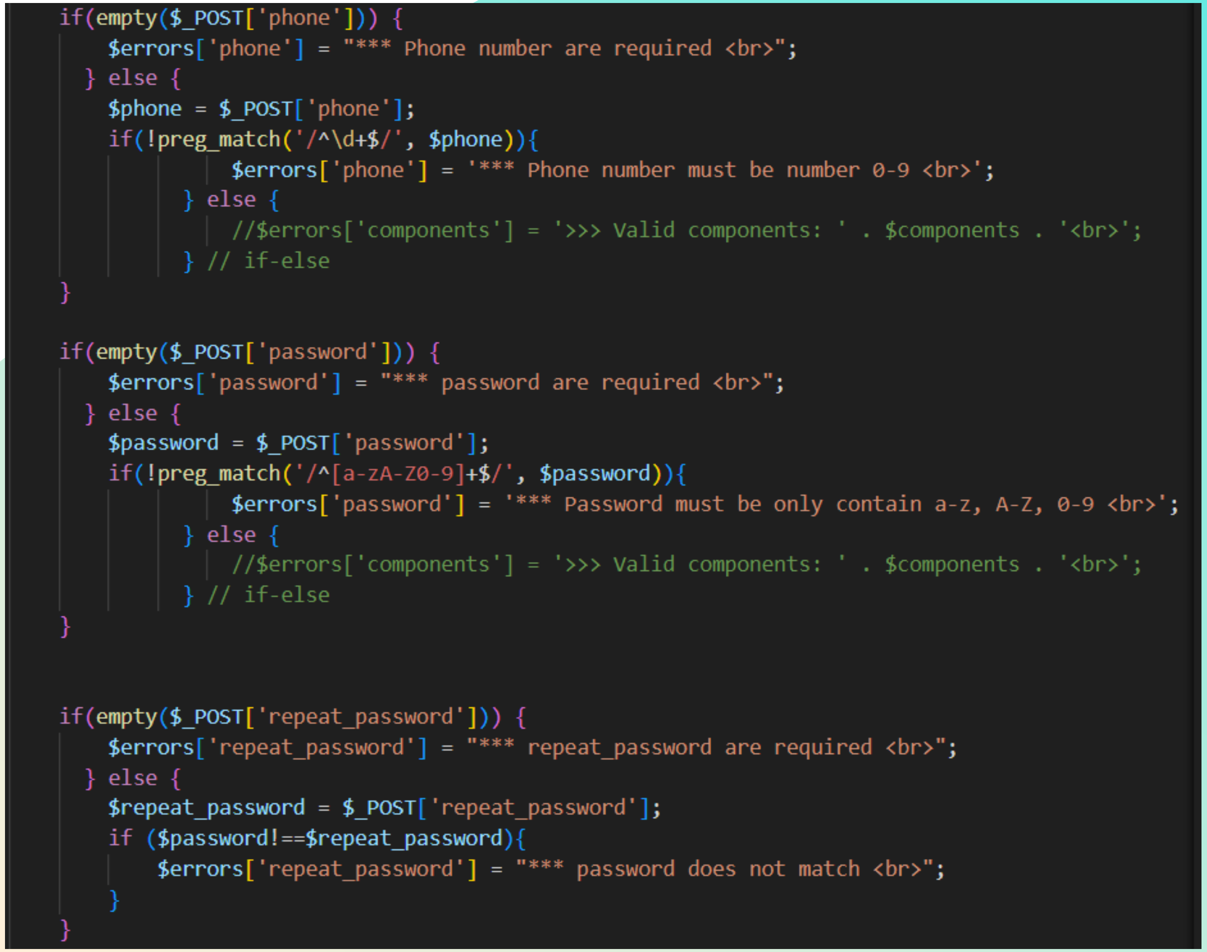
Form Validation Checking:



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

    if(empty($_POST['first_name'])) {
        $errors['first_name'] = "*** An first name is required <br>";
      } else {
        $firstname = $_POST['first_name'];
        if(!preg_match('/^[a-zA-Z\s]+$/', $firstname)) {
          $errors['first_name'] = '*** First name must be letters, space only <br>';
        } else {
          //$errors['model'] = '>>> Valid Model: ' . $model . '<br>';
        } // if-else
      } // if-else
```

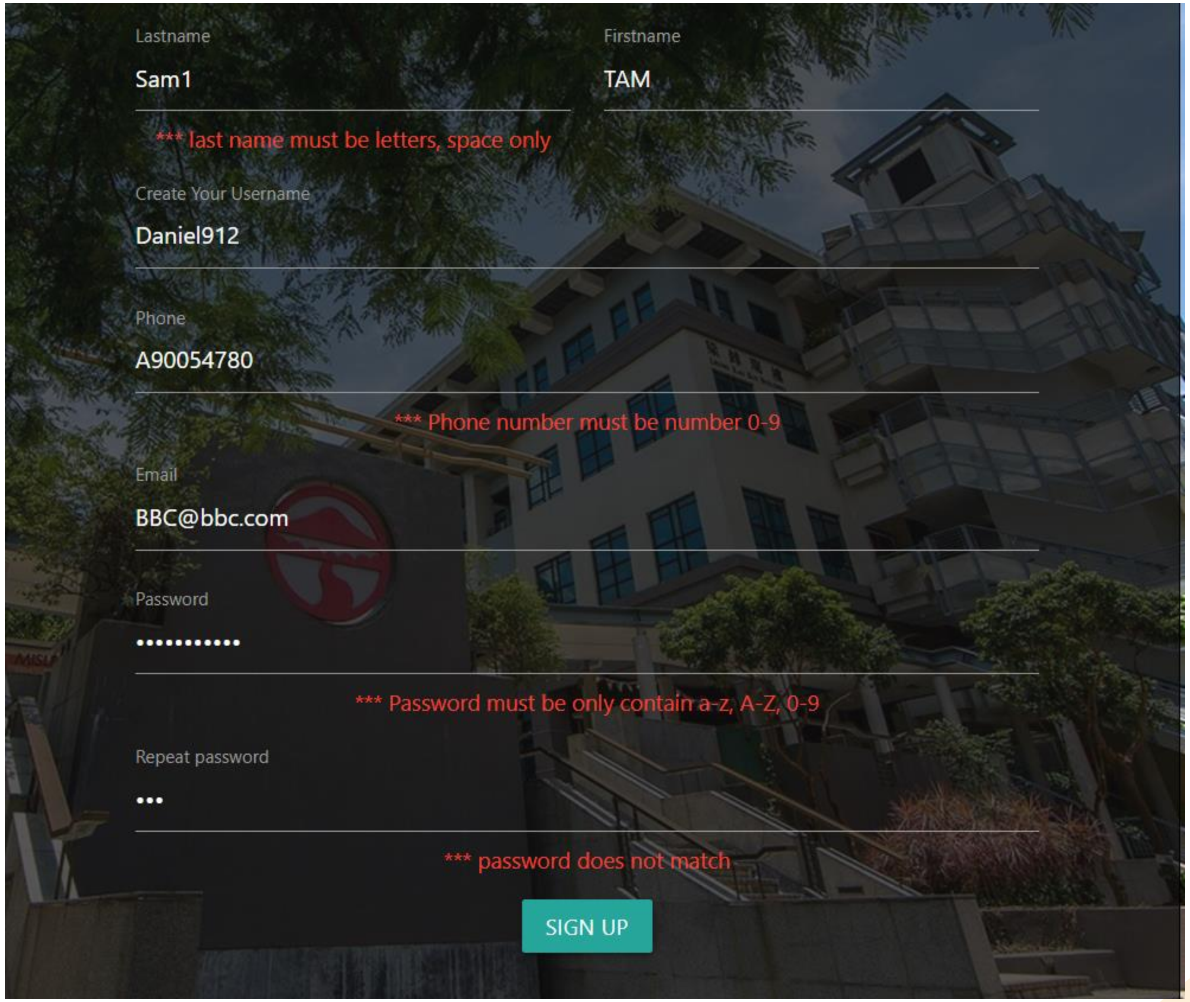


```php
  if(empty($_POST['username'])) {
    $errors['username'] = "*** An username is required <br>";
  } else {
    $username = $_POST['username'];
    if(!preg_match('/^[a-zA-Z0-9\s]+$/', $username)) {
      $errors['username'] = '*** Username must be letters, spaces, or numbers only <br>';
    } else {
      //$errors['model'] = '>>> Valid Model: ' . $model . '<br>';
    } // if-else
  }

// check the email field
if(empty($_POST['email'])) {
  $errors['email'] = "*** An email is required <br>";
} else {
  $email = $_POST['email'];
  if(!filter_var($email, FILTER_VALIDATE_EMAIL)) {
     $errors['email'] ="*** Need a valid email address <br>";
  } else {
    //$errors['email'] = ">>> Valid email: ".$_GET['email']."<br>";
  } // if-else
```



```php
if(empty($_POST['phone'])) {
  $errors['phone'] = "*** Phone number are required <br>";
 } else {
  $phone = $_POST['phone'];
  if(!preg_match('/^\d+$/', $phone)){
       $errors['phone'] = '*** Phone number must be number 0-9 <br>';
     } else {
       //$errors['components'] = '>>> Valid components: ' . $components . '<br>';
     } // if-else
}

if(empty($_POST['password'])) {
  $errors['password'] = "*** password are required <br>";
 } else {
  $password = $_POST['password'];
  if(!preg_match('/^[a-zA-Z0-9]+$/', $password)){
       $errors['password'] = '*** Password must be only contain a-z, A-Z, 0-9 <br>';
     } else {
       //$errors['components'] = '>>> Valid components: ' . $components . '<br>';
     } // if-else
}


if(empty($_POST['repeat_password'])) {
  $errors['repeat_password'] = "*** repeat_password are required <br>";
 } else {
  $repeat_password = $_POST['repeat_password'];
  if ($password!==$repeat_password){
    $errors['repeat_password'] = "*** password does not match <br>";
  }
}
```

Form Validation Checking Example:



Lastname

Sam1

Firstname

TAM

*** last name must be letters, space only

Create Your Username

Daniel912

Phone

A90054780

*** Phone number must be number 0-9

Email

BBC@bbc.com

Password

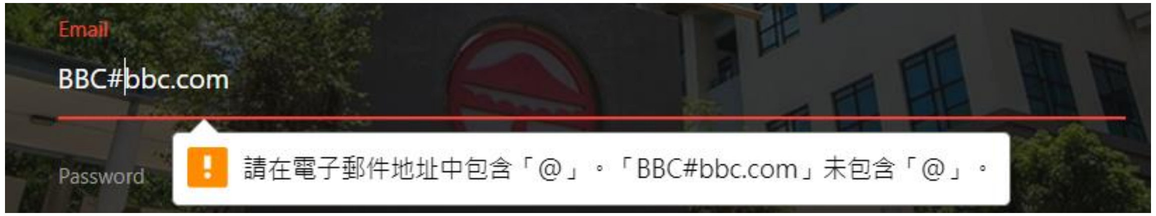
•••••••••••

*** Password must be only contain a-z, A-Z, 0-9

Repeat password

•••

*** password does not match



Email

BBC#bbc.com

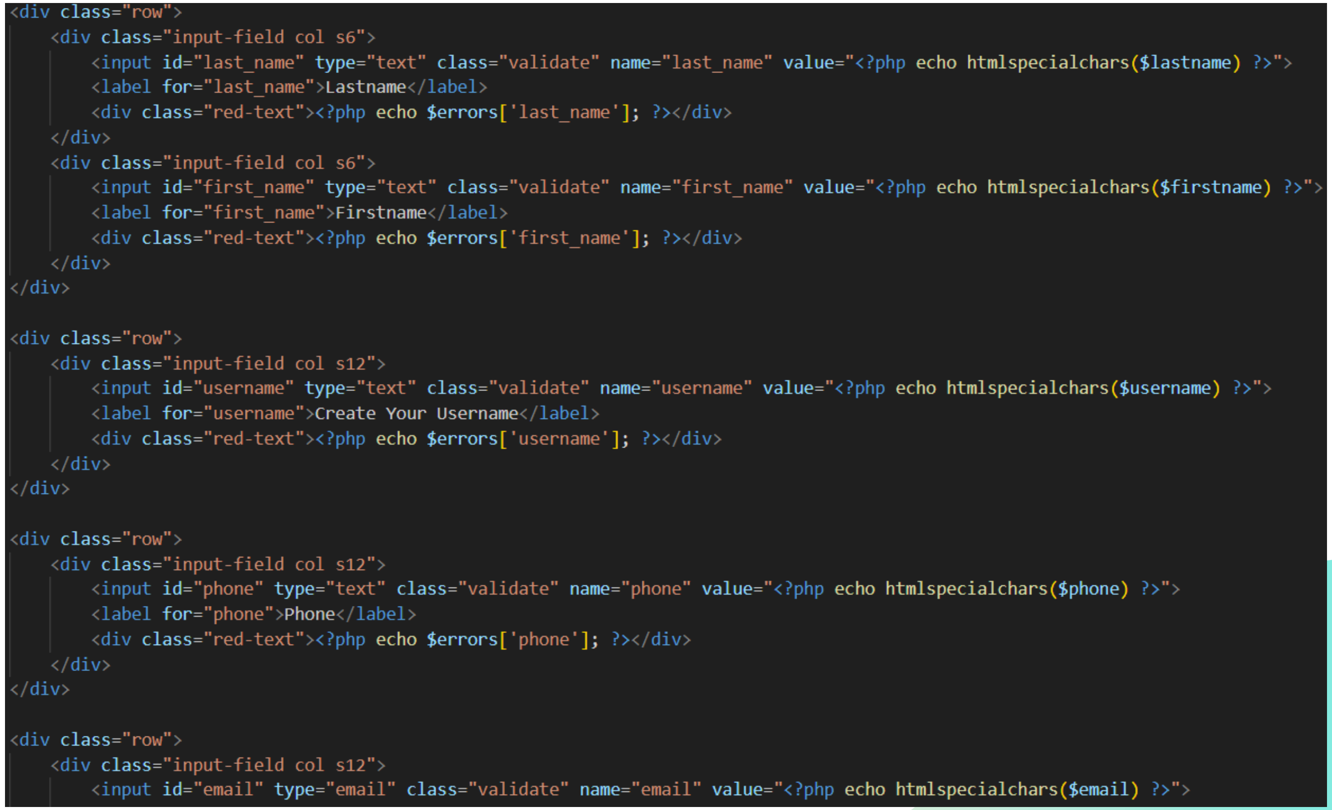
Password

請在電子郵件地址中包含「@」。「BBC#bbc.com」未包含「@」。

Message display in red-text under each label

Security Issues:

- Avoid XSS attack



```
<div class="row">
    <div class="input-field col s6">
        <input id="last_name" type="text" class="validate" name="last_name" value="<?php echo htmlspecialchars($lastname) ?>">
        <label for="last_name">Lastname</label>
        <div class="red-text"><?php echo $errors['last_name']; ?></div>
    </div>
    <div class="input-field col s6">
        <input id="first_name" type="text" class="validate" name="first_name" value="<?php echo htmlspecialchars($firstname) ?>">
        <label for="first_name">Firstname</label>
        <div class="red-text"><?php echo $errors['first_name']; ?></div>
    </div>
</div>

<div class="row">
    <div class="input-field col s12">
        <input id="username" type="text" class="validate" name="username" value="<?php echo htmlspecialchars($username) ?>">
        <label for="username">Create Your Username</label>
        <div class="red-text"><?php echo $errors['username']; ?></div>
    </div>
</div>

<div class="row">
    <div class="input-field col s12">
        <input id="phone" type="text" class="validate" name="phone" value="<?php echo htmlspecialchars($phone) ?>">
        <label for="phone">Phone</label>
        <div class="red-text"><?php echo $errors['phone']; ?></div>
    </div>
</div>

<div class="row">
    <div class="input-field col s12">
        <input id="email" type="email" class="validate" name="email" value="<?php echo htmlspecialchars($email) ?>">
```

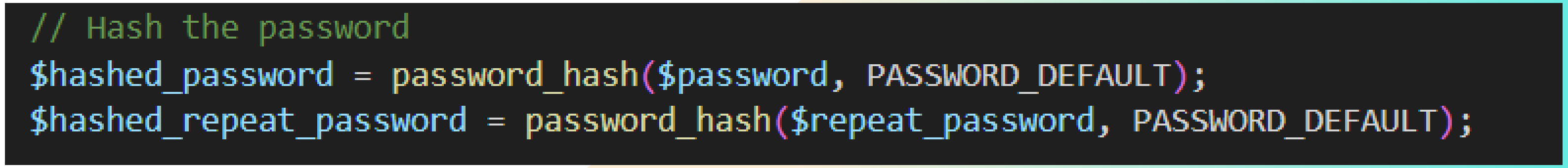
Example:

Inside php:

```
$str = 'I love "PHP".';
echo htmlspecialchars($str, ENT_QUOTES);
```

```
HTML Output:

I love &quot;PHP&quot;.

Browser output:

I love "PHP".
```

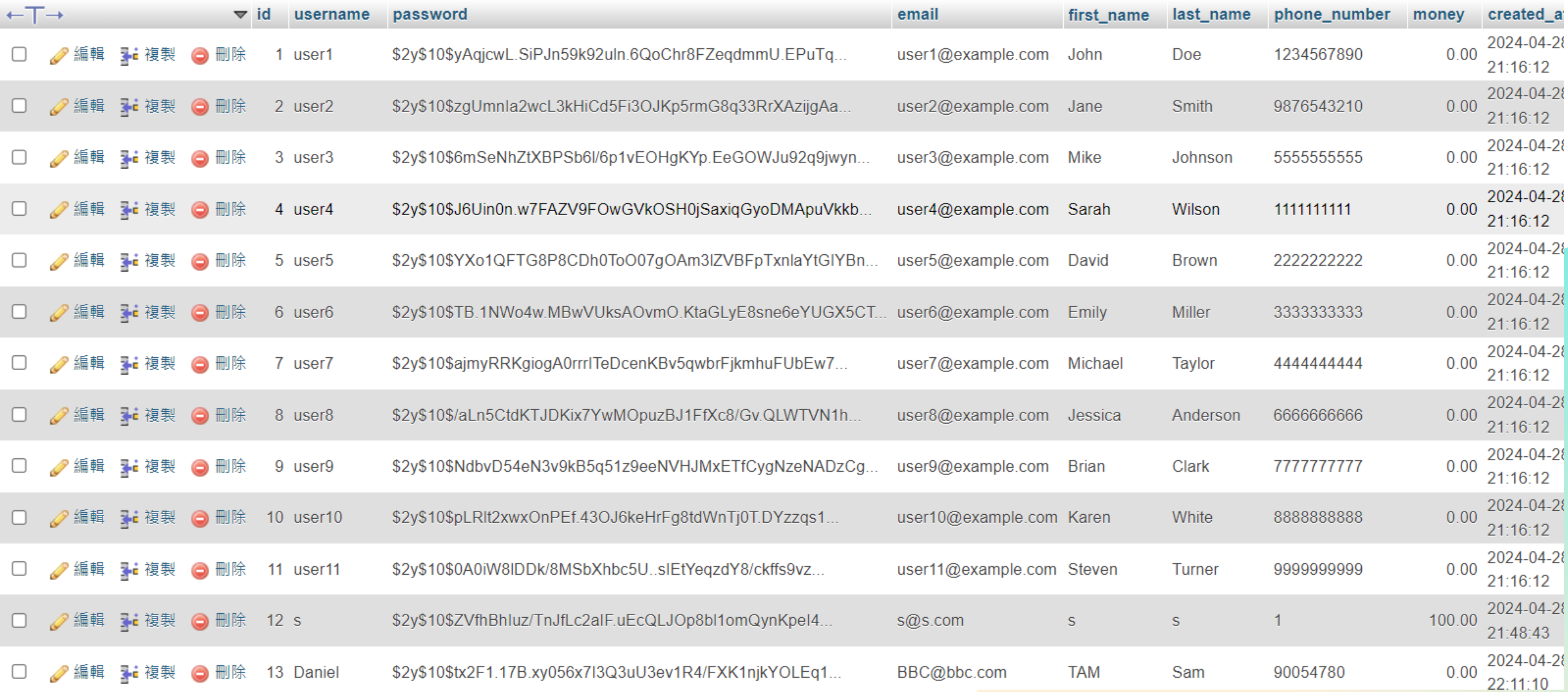
- Avoid password release:



```
// Hash the password
$hashed_password = password_hash($password, PASSWORD_DEFAULT);
$hashed_repeat_password = password_hash($repeat_password, PASSWORD_DEFAULT);
```

Users Database:

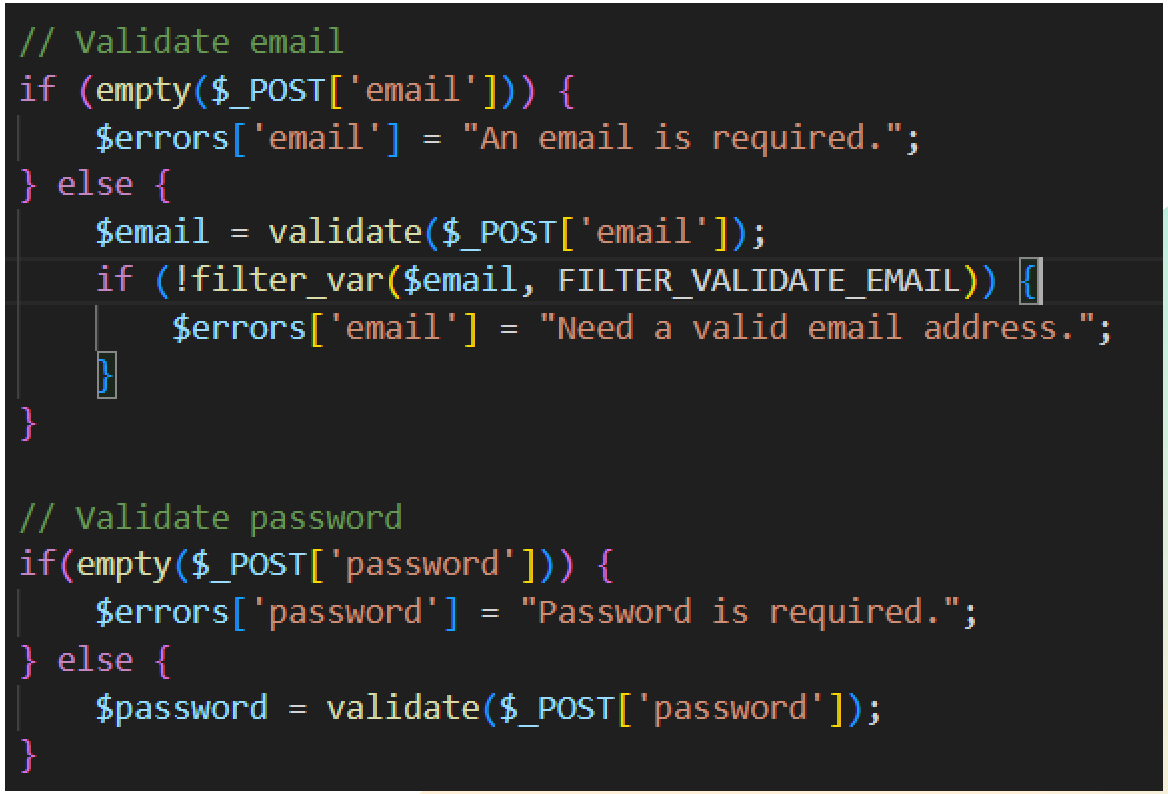
```
$sql = "INSERT INTO
users(first_name,last_name,username,email,phone_number,password)
VALUES('$firstname','$lastname','$username','$email','$phone','$hashed_password')";
```



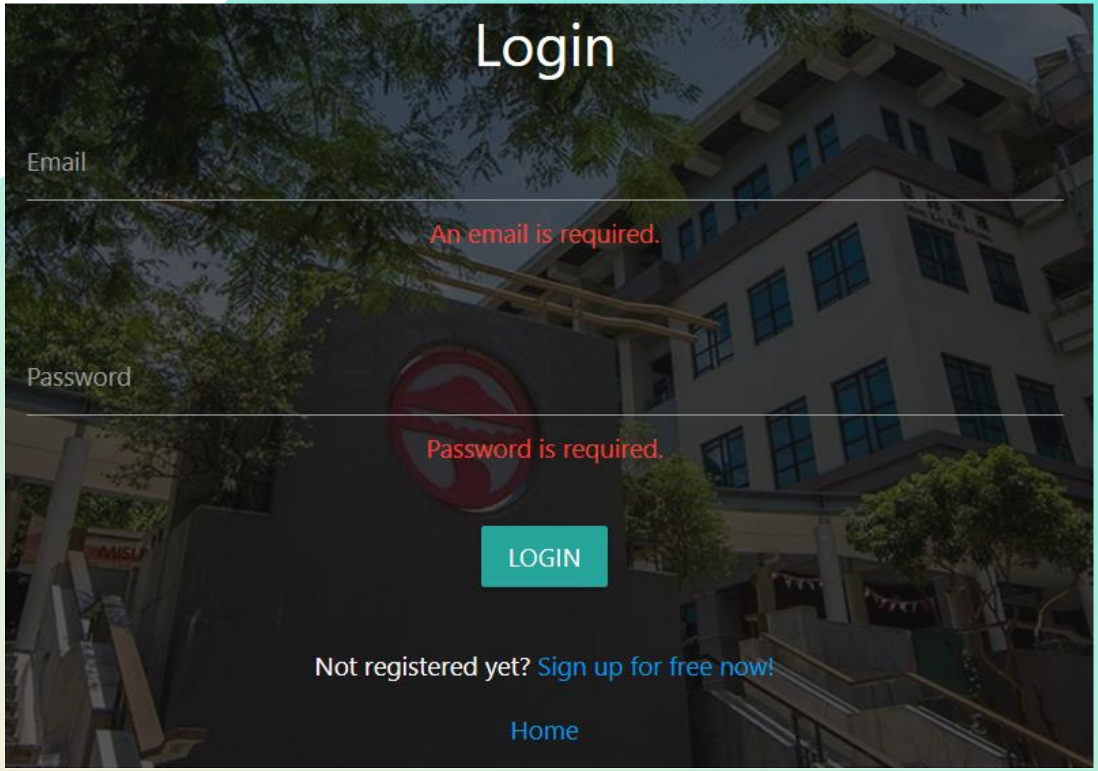
←T→ ▼	id	username	password	email	first_name	last_name	phone_number	money	created_a
□ 編輯 複製 刪除	1	user1	$2y$10$yAqjcwL.SiPJn59k92uln.6QoChr8FZeqdmmU.EPuTq...	user1@example.com	John	Doe	1234567890	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	2	user2	$2y$10$zgUmnla2wcL3kHiCd5Fi3OJKp5rmG8q33RrXAzijgAa...	user2@example.com	Jane	Smith	9876543210	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	3	user3	$2y$10$6mSeNhZtXBPSb6l/6p1vEOHgKYp.EeGOWJu92q9jwyn...	user3@example.com	Mike	Johnson	5555555555	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	4	user4	$2y$10$J6Uin0n.w7FAZV9FOwGVkOSH0jSaxiqGyoDMApuVkkb...	user4@example.com	Sarah	Wilson	1111111111	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	5	user5	$2y$10$YXo1QFTG8P8CDh0ToO07gOAm3lZVBFpTxnlaYtGlYBn...	user5@example.com	David	Brown	2222222222	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	6	user6	$2y$10$TB.1NWo4w.MBwVUksAOvmO.KtaGLyE8sne6eYUGX5CT...	user6@example.com	Emily	Miller	3333333333	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	7	user7	$2y$10$ajmyRRKgiogA0rrlTeDcenKBv5qwbrFjkmhuFUbEw7...	user7@example.com	Michael	Taylor	4444444444	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	8	user8	$2y$10$/aLn5CtdKTJDKix7YwMOpuzBJ1FfXc8/Gv.QLWTVN1h...	user8@example.com	Jessica	Anderson	6666666666	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	9	user9	$2y$10$NdbvD54eN3v9kB5q51z9eeNVHJMxETfCygNzeNADzCg...	user9@example.com	Brian	Clark	7777777777	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	10	user10	$2y$10$pLRlt2xwxOnPEf.43OJ6keHrFg8tdWnTj0T.DYzzqs1...	user10@example.com	Karen	White	8888888888	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	11	user11	$2y$10$0A0iW8lDDk/8MSbXhbc5U..slEtYeqzdY8/ckffs9vz...	user11@example.com	Steven	Turner	9999999999	0.00	2024-04-28 21:16:12
□ 編輯 複製 刪除	12	s	$2y$10$ZVfhBhluz/TnJfLc2alF.uEcQLJOp8bl1omQynKpel4...	s@s.com	s	s	1	100.00	2024-04-28 21:48:43
□ 編輯 複製 刪除	13	Daniel	$2y$10$tx2F1.17B.xy056x7I3Q3uU3ev1R4/FXK1njkYOLEq1...	BBC@bbc.com	TAM	Sam	90054780	0.00	2024-04-28 22:11:10

Login

Form Validation Checking:



```php
// Validate email
if (empty($_POST['email'])) {
    $errors['email'] = "An email is required.";
} else {
    $email = validate($_POST['email']);
    if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
        $errors['email'] = "Need a valid email address.";
    }
}

// Validate password
if(empty($_POST['password'])) {
    $errors['password'] = "Password is required.";
} else {
    $password = validate($_POST['password']);
}
```



Login

Email

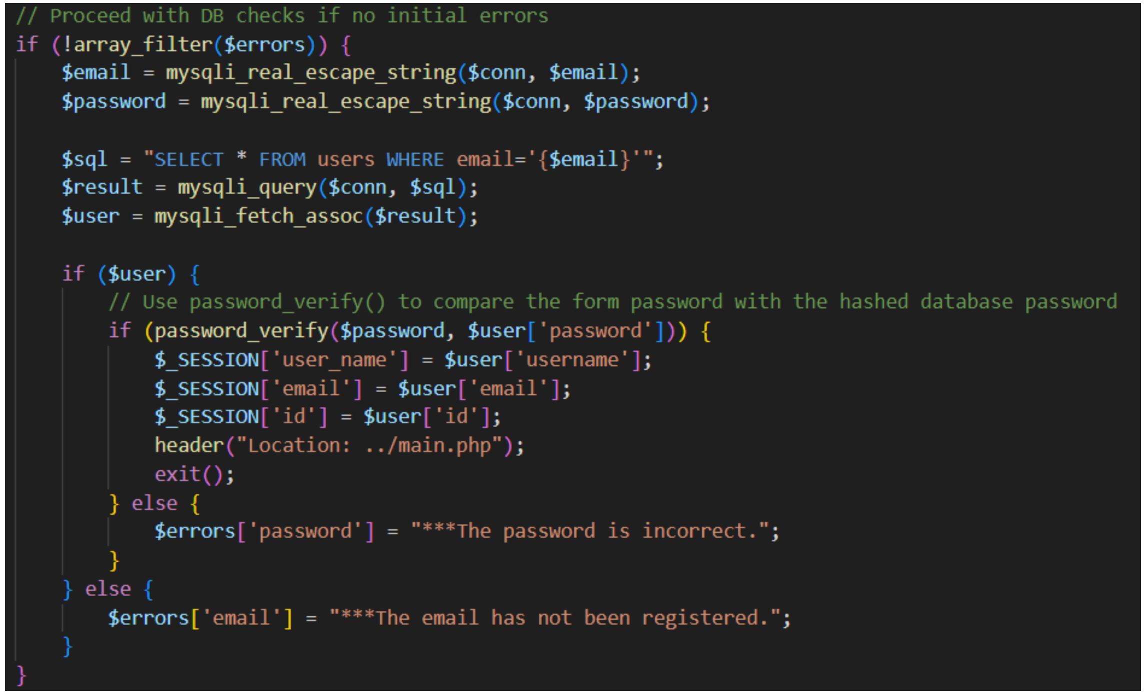
An email is required.

Password

Password is required.

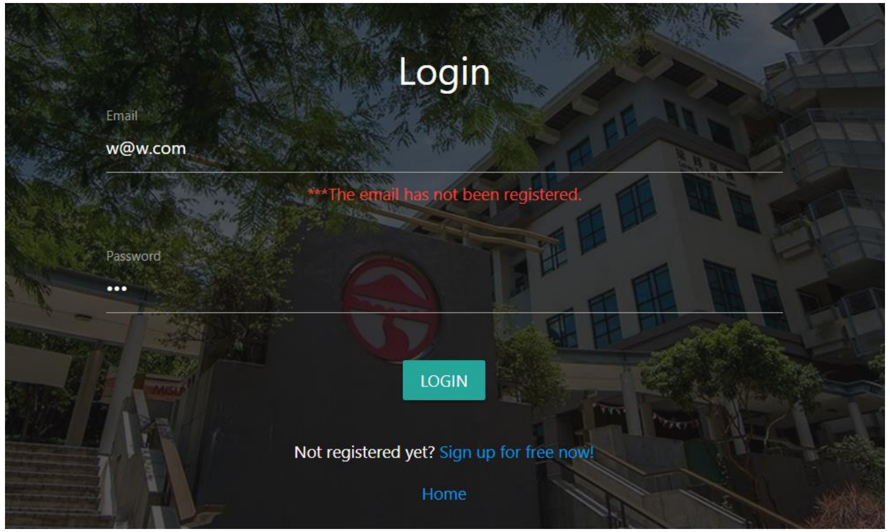
Not registered yet? Sign up for free now!

Email and Password Checking:



```php
// Proceed with DB checks if no initial errors
if (!array_filter($errors)) {
    $email = mysqli_real_escape_string($conn, $email);
    $password = mysqli_real_escape_string($conn, $password);

    $sql = "SELECT * FROM users WHERE email='{$email}'";
    $result = mysqli_query($conn, $sql);
    $user = mysqli_fetch_assoc($result);

    if ($user) {
        // Use password_verify() to compare the form password with the hashed database password
        if (password_verify($password, $user['password'])) {
            $_SESSION['user_name'] = $user['username'];
            $_SESSION['email'] = $user['email'];
            $_SESSION['id'] = $user['id'];
            header("Location: ../main.php");
            exit();
        } else {
            $errors['password'] = "***The password is incorrect.";
        }
    } else {
        $errors['email'] = "***The email has not been registered.";
    }
}
```

Get email form database → Verify hashed password



Login

Email

w@w.com

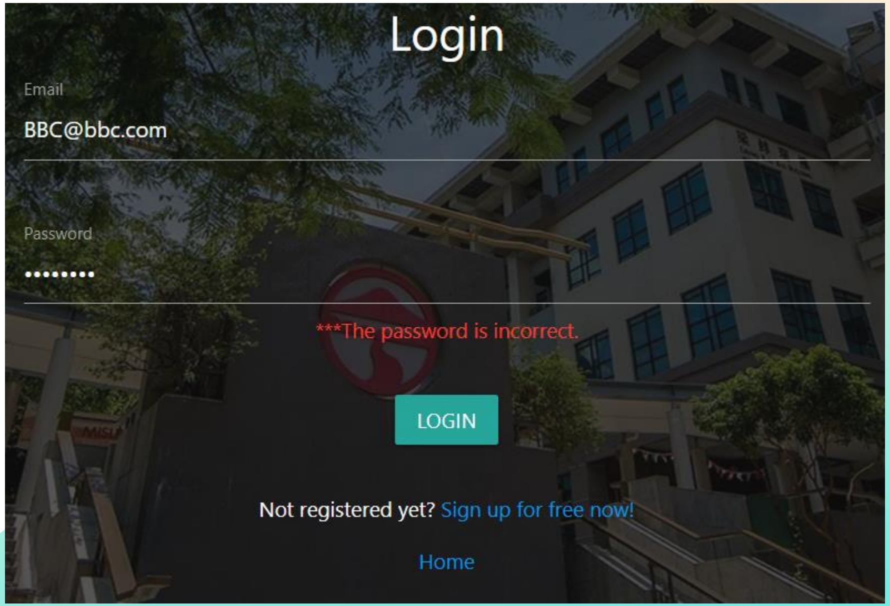
***The email has not been registered.

Password

•••

Not registered yet? Sign up for free now!

Home



Login

Email

BBC@bbc.com

Password

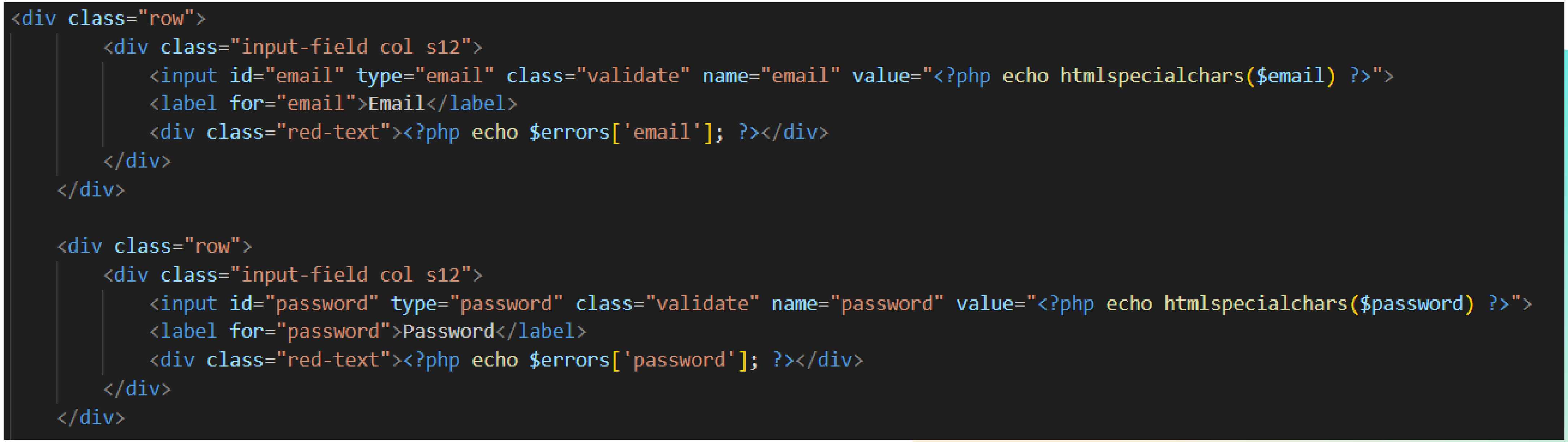
•••••••••

***The password is incorrect.

Not registered yet? Sign up for free now!

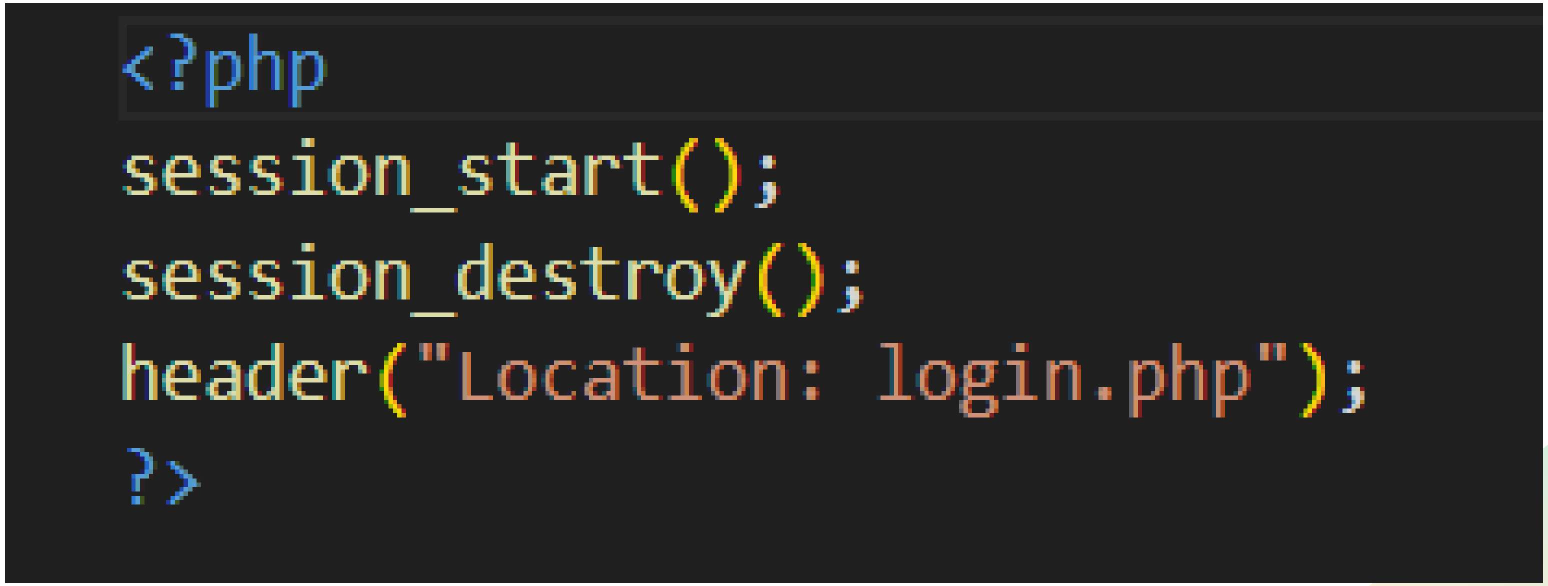
Home

Avoid XSS Attack:



```
<div class="row">
        <div class="input-field col s12">
            <input id="email" type="email" class="validate" name="email" value="<?php echo htmlspecialchars($email) ?>">
            <label for="email">Email</label>
            <div class="red-text"><?php echo $errors['email']; ?></div>
        </div>
    </div>

    <div class="row">
        <div class="input-field col s12">
            <input id="password" type="password" class="validate" name="password" value="<?php echo htmlspecialchars($password) ?>">
            <label for="password">Password</label>
            <div class="red-text"><?php echo $errors['password']; ?></div>
        </div>
    </div>
```

Logout.php

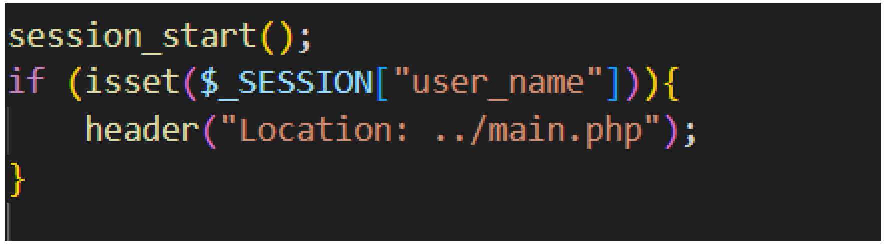


```php
<?php
session_start();
session_destroy();
header("Location: login.php");
?>
```

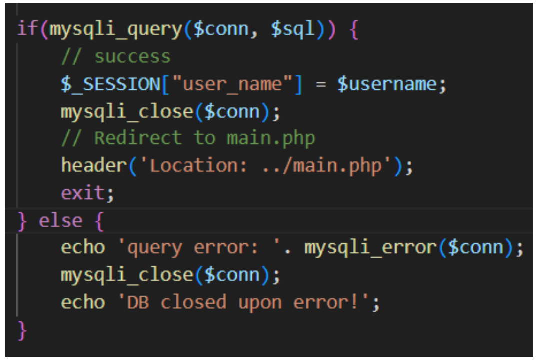
Session Setting:

For signup.php. If the user signup.

The system will direct it to main page

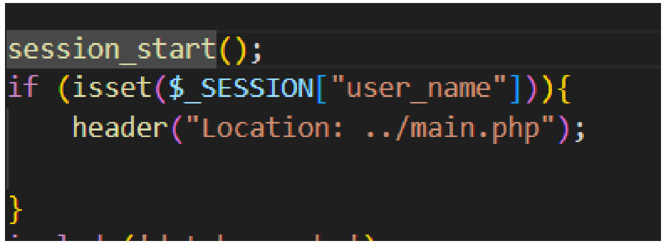


```
session_start();
if (isset($_SESSION["user_name"])){
    header("Location: ../main.php");
}
```



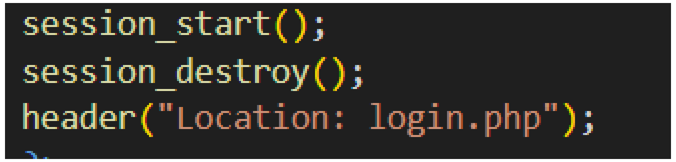
```
if(mysqli_query($conn, $sql)) {
    // success
    $_SESSION["user_name"] = $username;
    mysqli_close($conn);
    // Redirect to main.php
    header('Location: ../main.php');
    exit;
} else {
    echo 'query error: '. mysqli_error($conn);
    mysqli_close($conn);
    echo 'DB closed upon error!';
}
```

For login.php. If the user has been login. User will keep on main page



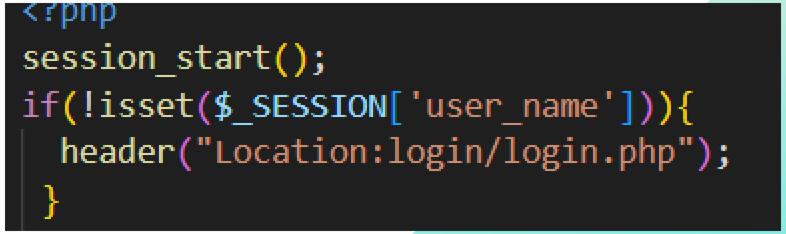
```
session_start();
if (isset($_SESSION["user_name"])){
    header("Location: ../main.php");

}
```

For logout.php. If the user clicks logout. The system will direct the user to the login page.



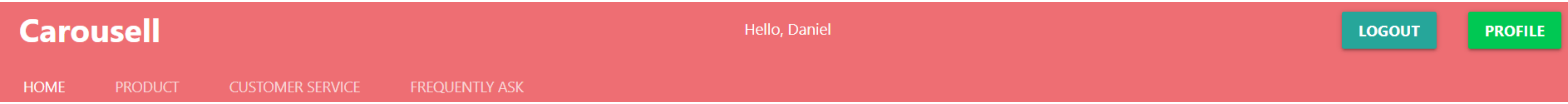
```
session_start();
session_destroy();
header("Location: login.php");
```

For main.php. If the user does not login. System will direct the user to the login page



```
<?php
session_start();
if(!isset($_SESSION['user_name'])){
  header("Location:login/login.php");
 }
```

Main Page

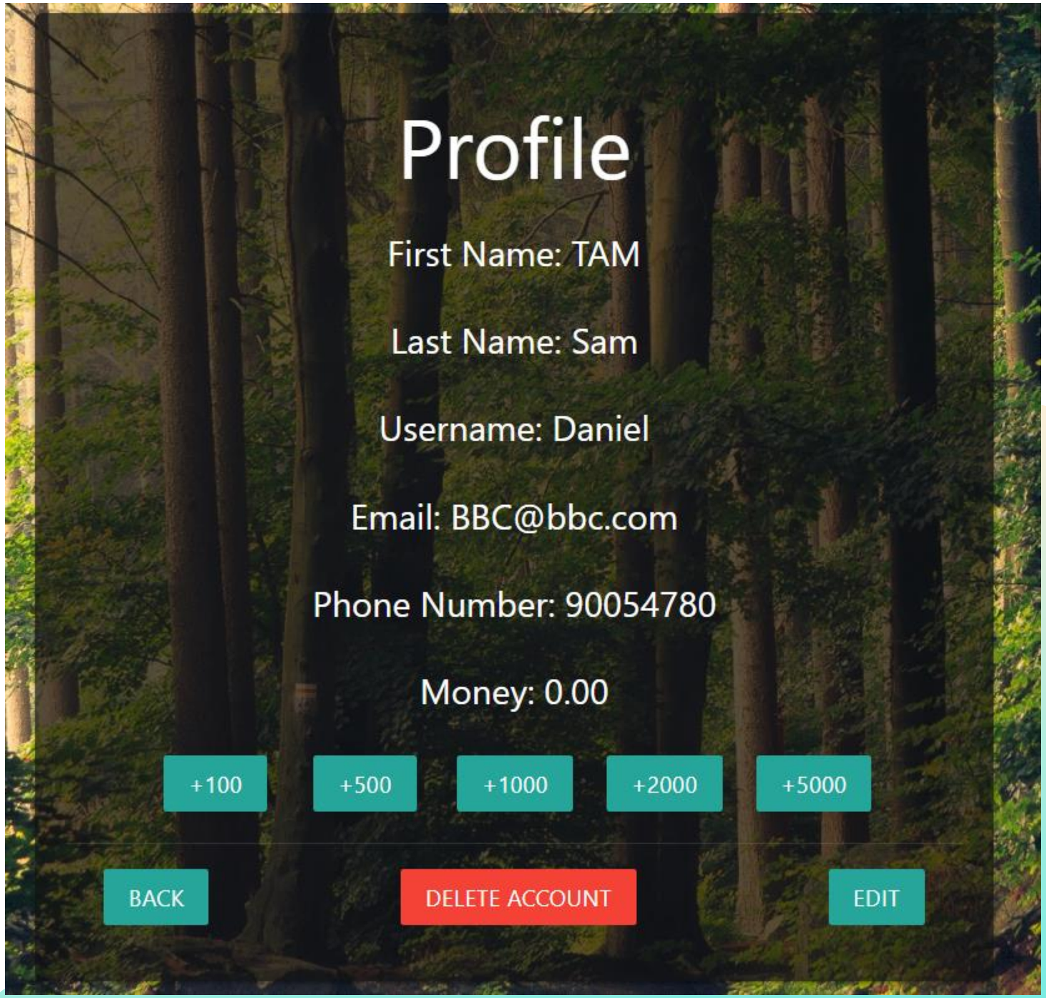


- HOME
- Profile (Edit, Add money, Delete Account)
- Add Product
- Product (Check Product Information, Transaction)
- Customer Service
- Frequency ASK

Profile

Function:

- View personal information
- BACK: Direct user comes back to main page
- DELETE ACCOUNT: Allow user delete current login account
- EDIT: Allow users change personal information in database



Profile

First Name: TAM

Last Name: Sam

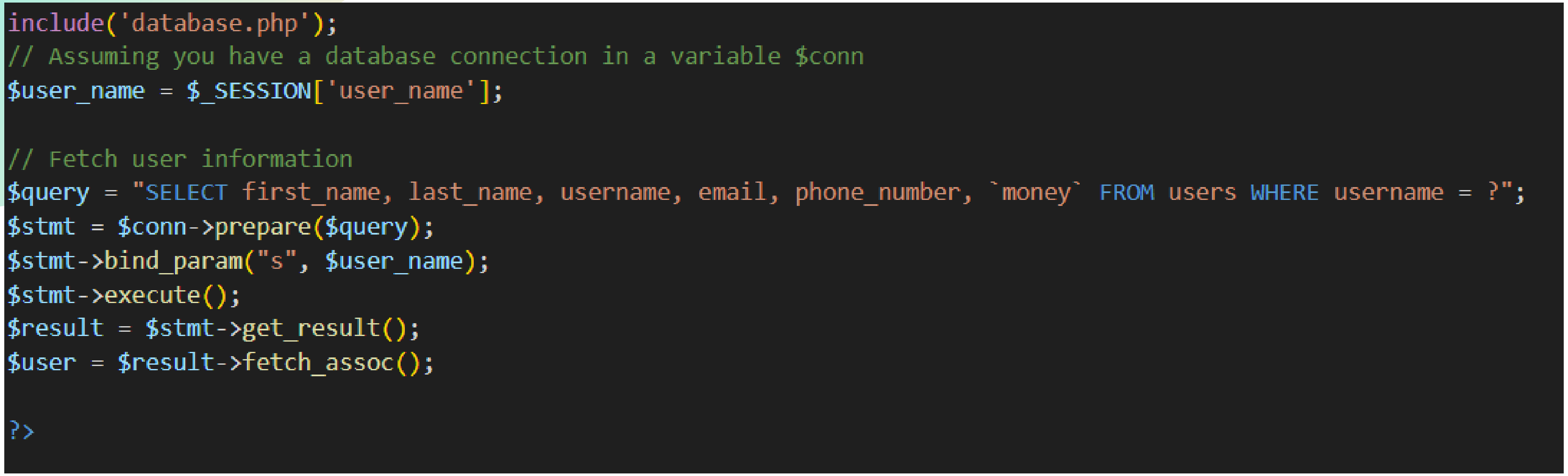
Username: Daniel

Email: BBC@bbc.com

Phone Number: 90054780

Money: 0.00

Profile.php



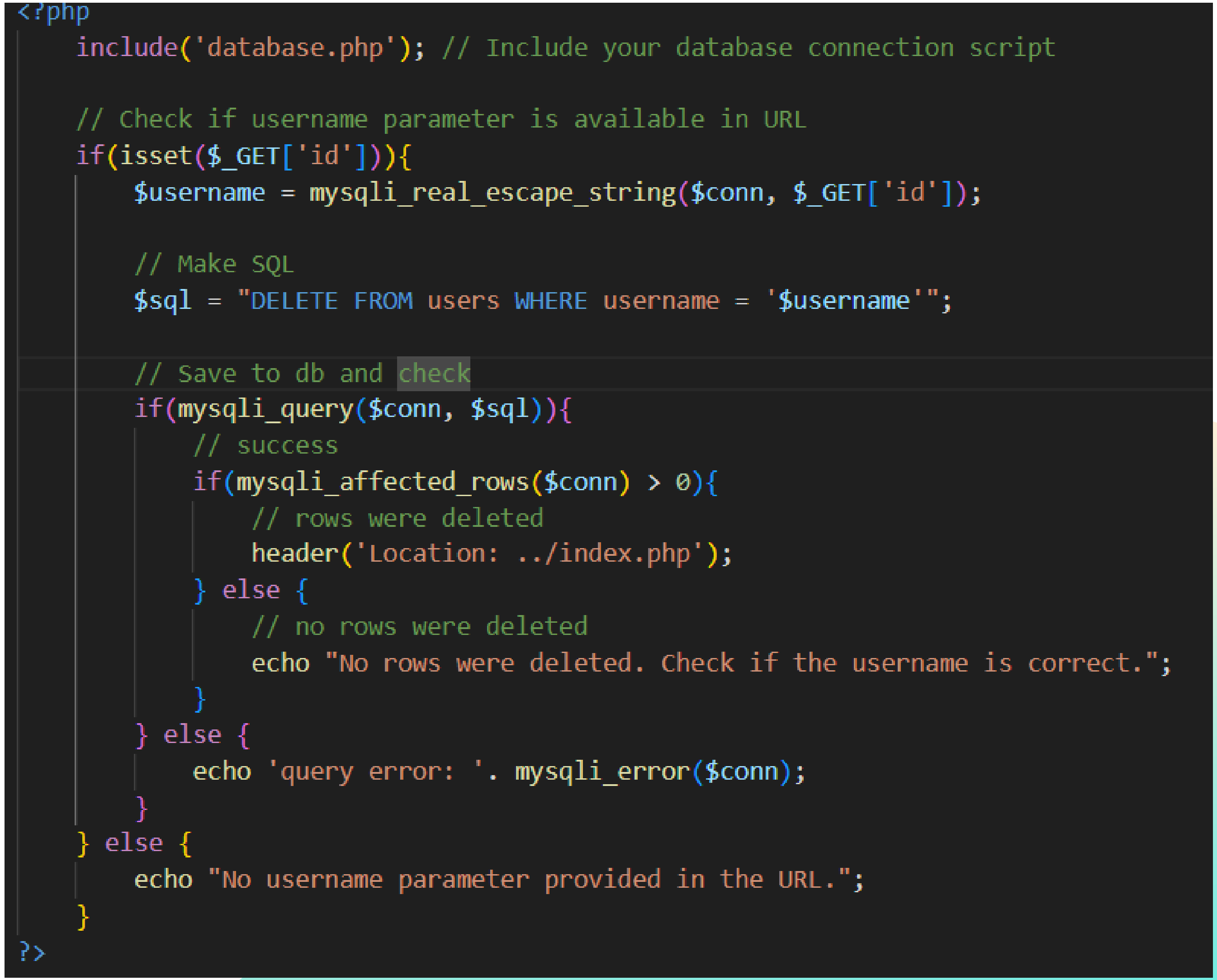
```php
include('database.php');
// Assuming you have a database connection in a variable $conn
$user_name = $_SESSION['user_name'];

// Fetch user information
$query = "SELECT first_name, last_name, username, email, phone_number, `money` FROM users WHERE username = ?";
$stmt = $conn->prepare($query);
$stmt->bind_param("s", $user_name);
$stmt->execute();
$result = $stmt->get_result();
$user = $result->fetch_assoc();

?>
```

Select data from database to display

delete.php

- Use DELETE SQL statement to delete user information from the database

- After deleting, direct the user back to the index page

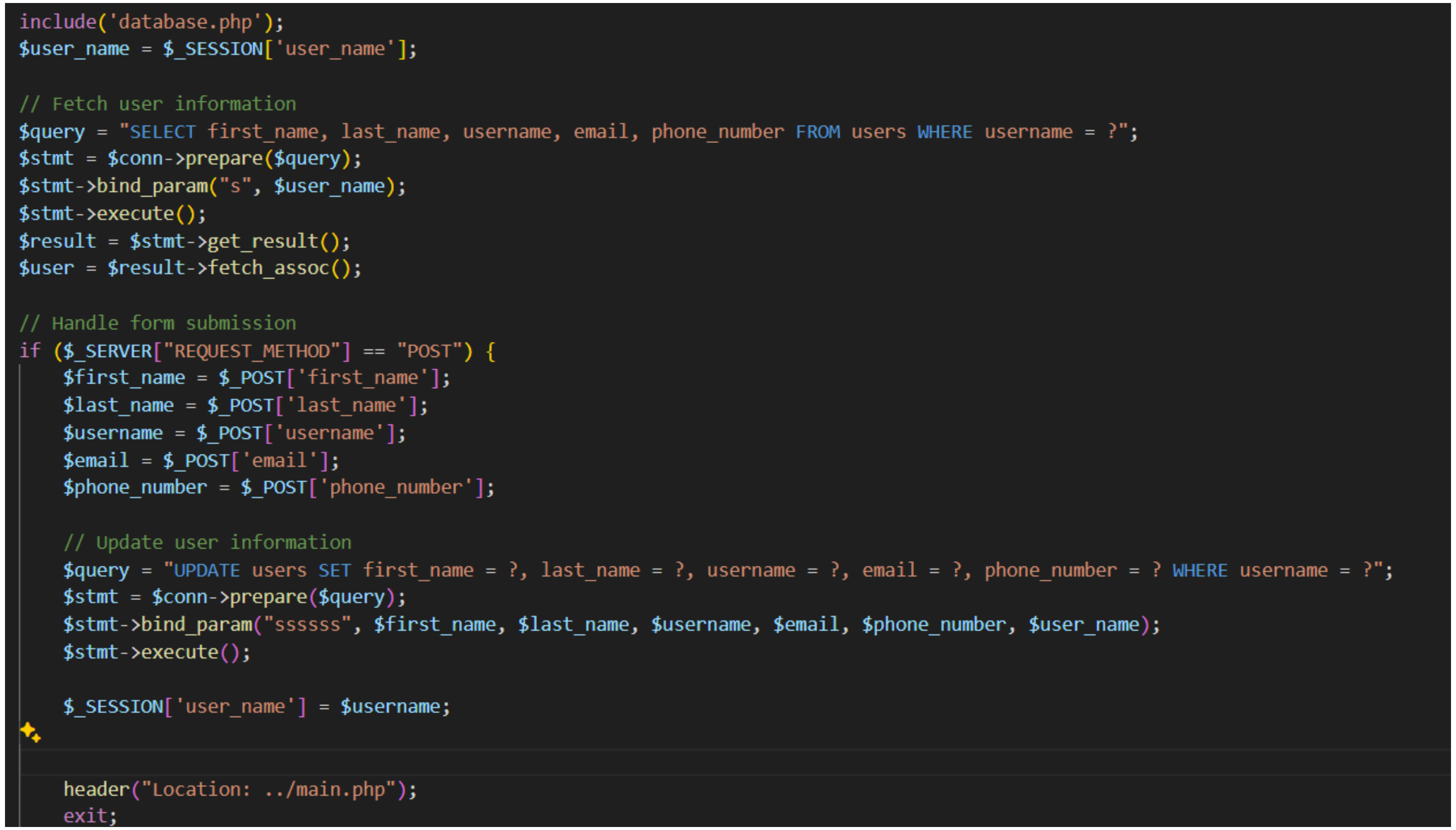


```php
<?php
    include('database.php'); // Include your database connection script

    // Check if username parameter is available in URL
    if(isset($_GET['id'])){
        $username = mysqli_real_escape_string($conn, $_GET['id']);

        // Make SQL
        $sql = "DELETE FROM users WHERE username = '$username'";

        // Save to db and check
        if(mysqli_query($conn, $sql)){
            // success
            if(mysqli_affected_rows($conn) > 0){
                // rows were deleted
                header('Location: ../index.php');
            } else {
                // no rows were deleted
                echo "No rows were deleted. Check if the username is correct.";
            }
        } else {
            echo 'query error: '. mysqli_error($conn);
        }
    } else {
        echo "No username parameter provided in the URL.";
    }
?>
```

edit.php

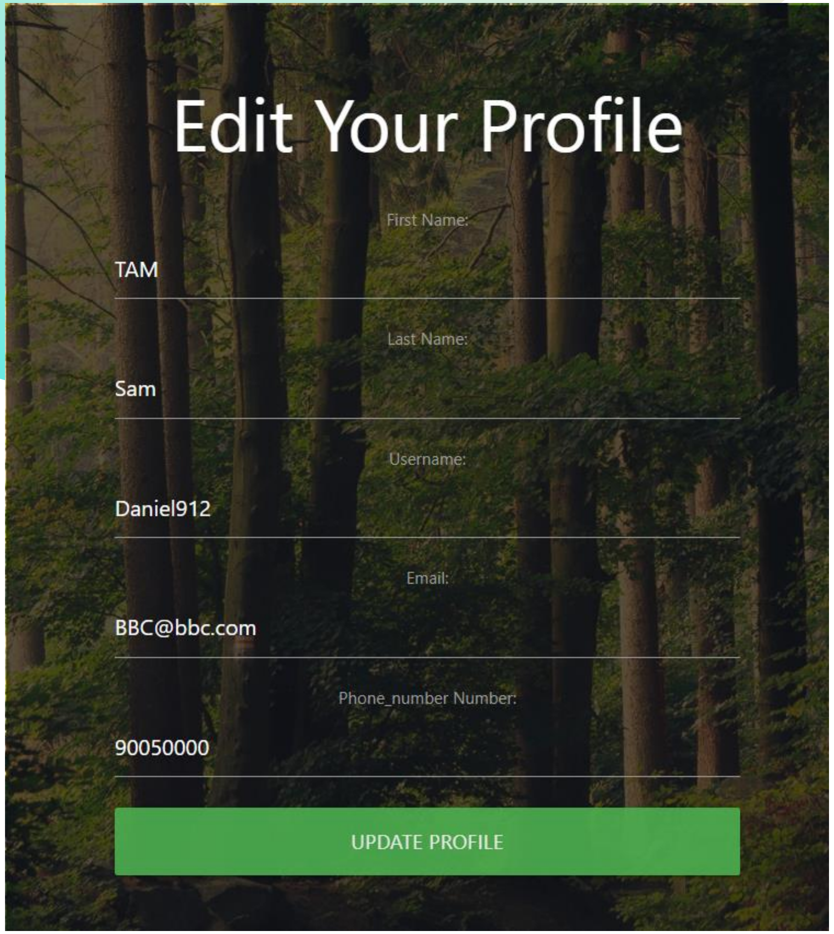
- Use UPDATE SQL statement to update the user information from the database

- After edited, redirect the user to the main page



```
include('database.php');
$user_name = $_SESSION['user_name'];

// Fetch user information
$query = "SELECT first_name, last_name, username, email, phone_number FROM users WHERE username = ?";
$stmt = $conn->prepare($query);
$stmt->bind_param("s", $user_name);
$stmt->execute();
$result = $stmt->get_result();
$user = $result->fetch_assoc();

// Handle form submission
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $first_name = $_POST['first_name'];
    $last_name = $_POST['last_name'];
    $username = $_POST['username'];
    $email = $_POST['email'];
    $phone_number = $_POST['phone_number'];

    // Update user information
    $query = "UPDATE users SET first_name = ?, last_name = ?, username = ?, email = ?, phone_number = ? WHERE username = ?";
    $stmt = $conn->prepare($query);
    $stmt->bind_param("ssssss", $first_name, $last_name, $username, $email, $phone_number, $user_name);
    $stmt->execute();

    $_SESSION['user_name'] = $username;


    header("Location: ../main.php");
    exit;
```

Edit with example:



Edit Your Profile

First Name:

TAM

Last Name:

Sam

Username:

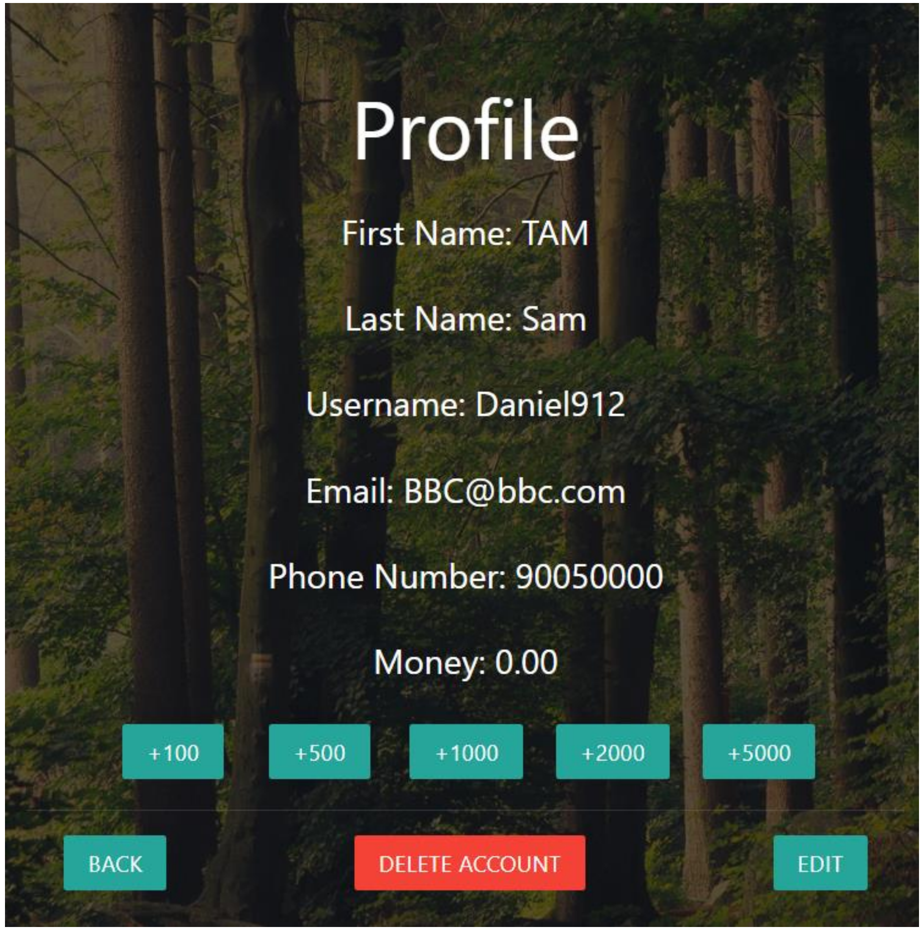
Daniel912

Email:

BBC@bbc.com

Phone_number Number:

90050000



Profile

First Name: TAM

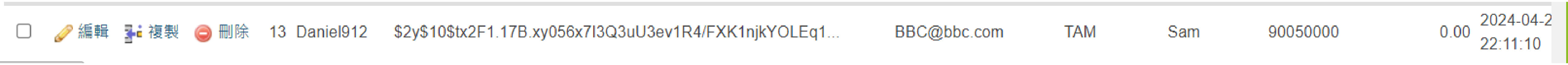
Last Name: Sam

Username: Daniel912

Email: BBC@bbc.com

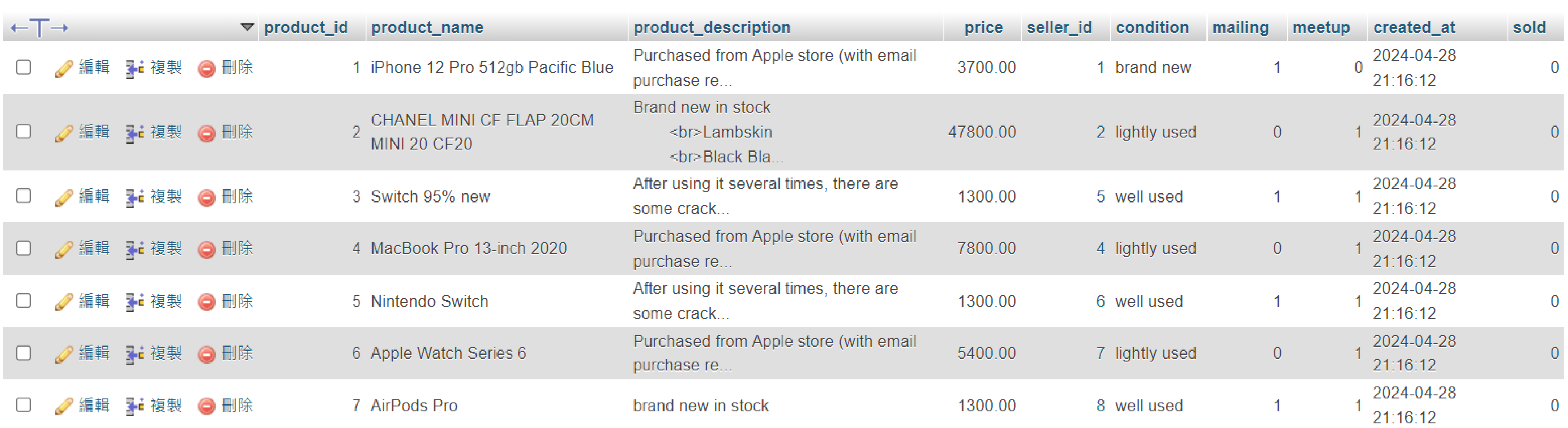
Phone Number: 90050000

Money: 0.00



□	編輯	複製	刪除	13	Daniel912	$2y$10$tx2F1.17B.xy056x7I3Q3uU3ev1R4/FXK1njkYOLEq1...	BBC@bbc.com	TAM	Sam	90050000	0.00	2024-04-2 22:11:10

Product database



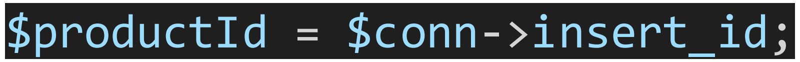
	←T→	product_id	product_name	product_description	price	seller_id	condition	mailing	meetup	created_at	sold
□	編輯 複製 刪除	1	iPhone 12 Pro 512gb Pacific Blue	Purchased from Apple store (with email purchase re...	3700.00	1	brand new	1	0	2024-04-28 21:16:12	0
□	編輯 複製 刪除	2	CHANEL MINI CF FLAP 20CM MINI 20 CF20	Brand new in stock Lambskin Black Bla...	47800.00	2	lightly used	0	1	2024-04-28 21:16:12	0
□	編輯 複製 刪除	3	Switch 95% new	After using it several times, there are some crack...	1300.00	5	well used	1	1	2024-04-28 21:16:12	0
□	編輯 複製 刪除	4	MacBook Pro 13-inch 2020	Purchased from Apple store (with email purchase re...	7800.00	4	lightly used	0	1	2024-04-28 21:16:12	0
□	編輯 複製 刪除	5	Nintendo Switch	After using it several times, there are some crack...	1300.00	6	well used	1	1	2024-04-28 21:16:12	0
□	編輯 複製 刪除	6	Apple Watch Series 6	Purchased from Apple store (with email purchase re...	5400.00	7	lightly used	0	1	2024-04-28 21:16:12	0
□	編輯 複製 刪除	7	AirPods Pro	brand new in stock	1300.00	8	well used	1	1	2024-04-28 21:16:12	0

upload.php

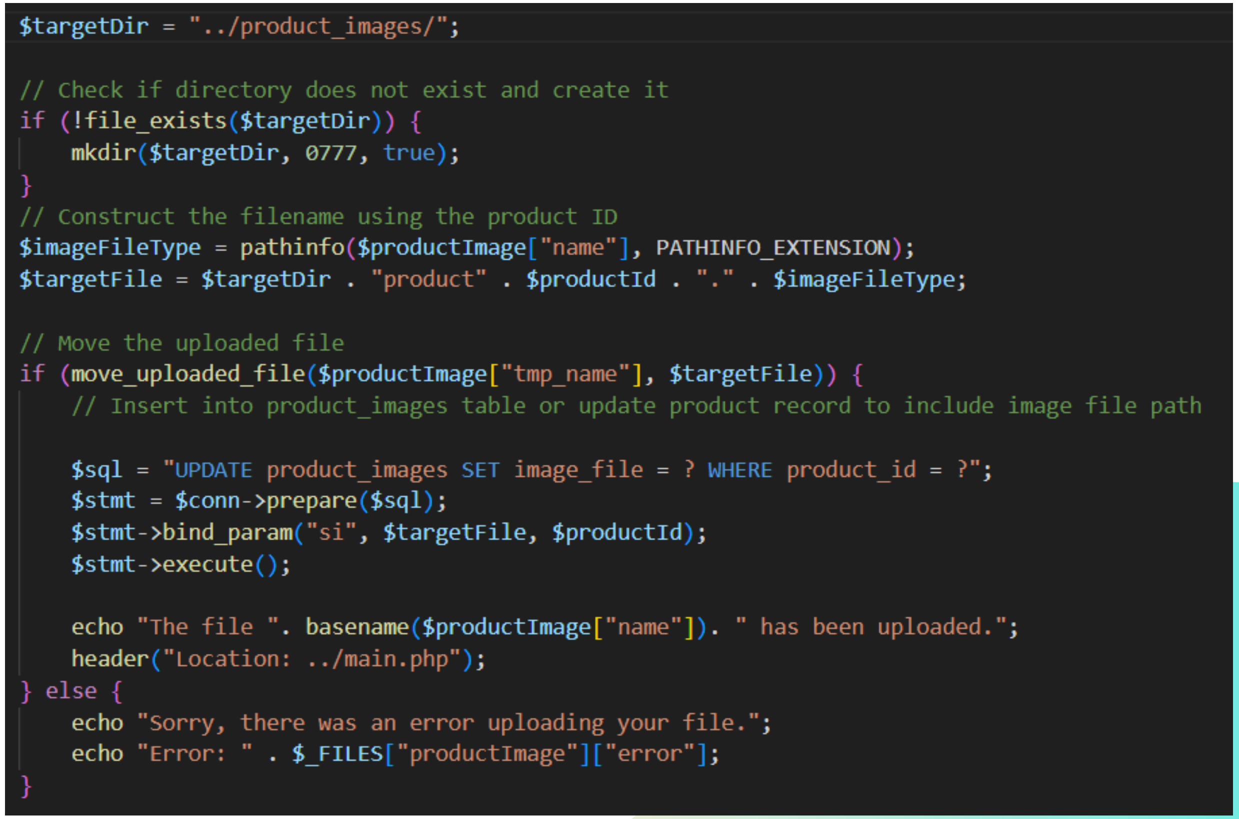
- Create a SELECT FILE button for the user to upload the product image to product_images folder and database

- Redirect the user to the main page after a successful upload

- Get id for insert product, rename it as ‘product[id].jpg’ to match the format

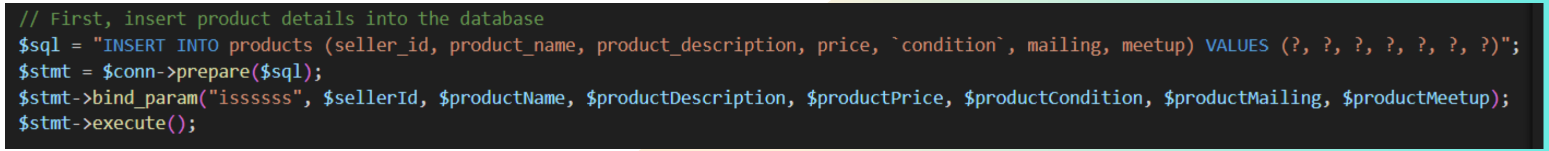


```php
$productId = $conn->insert_id;
```



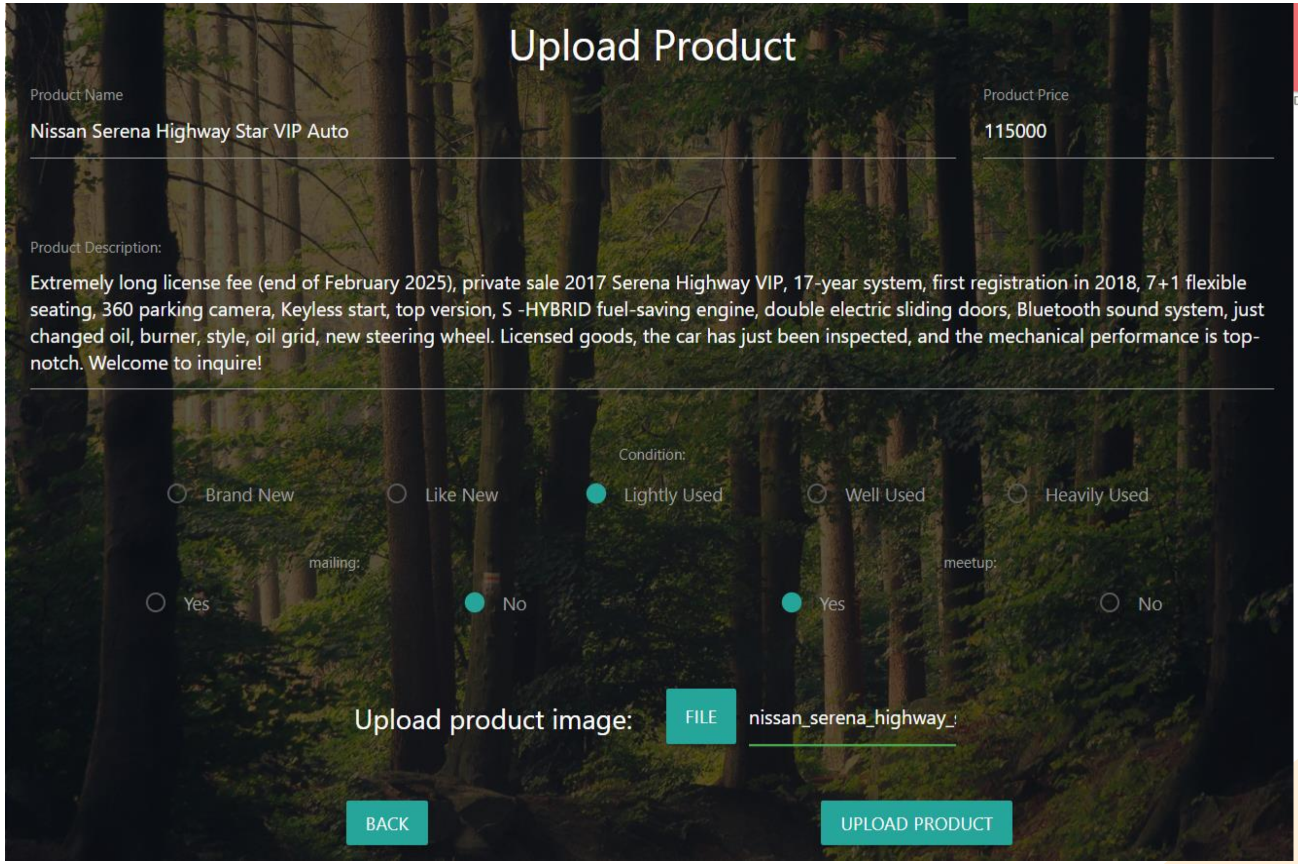
```php
$targetDir = "../product_images/";

// Check if directory does not exist and create it
if (!file_exists($targetDir)) {
    mkdir($targetDir, 0777, true);
}
// Construct the filename using the product ID
$imageFileType = pathinfo($productImage["name"], PATHINFO_EXTENSION);
$targetFile = $targetDir . "product" . $productId . "." . $imageFileType;

// Move the uploaded file
if (move_uploaded_file($productImage["tmp_name"], $targetFile)) {
    // Insert into product_images table or update product record to include image file path

    $sql = "UPDATE product_images SET image_file = ? WHERE product_id = ?";
    $stmt = $conn->prepare($sql);
    $stmt->bind_param("si", $targetFile, $productId);
    $stmt->execute();

    echo "The file ". basename($productImage["name"]). " has been uploaded.";
    header("Location: ../main.php");
} else {
    echo "Sorry, there was an error uploading your file.";
    echo "Error: " . $_FILES["productImage"]["error"];
}
```

Insert product information into ‘products’ database



```php
// First, insert product details into the database
$sql = "INSERT INTO products (seller_id, product_name, product_description, price, `condition`, mailing, meetup) VALUES (?, ?, ?, ?, ?, ?, ?)";
$stmt = $conn->prepare($sql);
$stmt->bind_param("issssss", $sellerId, $productName, $productDescription, $productPrice, $productCondition, $productMailing, $productMeetup);
$stmt->execute();
```

Upload with example:



Upload Product

Product Name: Nissan Serena Highway Star VIP Auto

Product Price: 115000

Product Description:

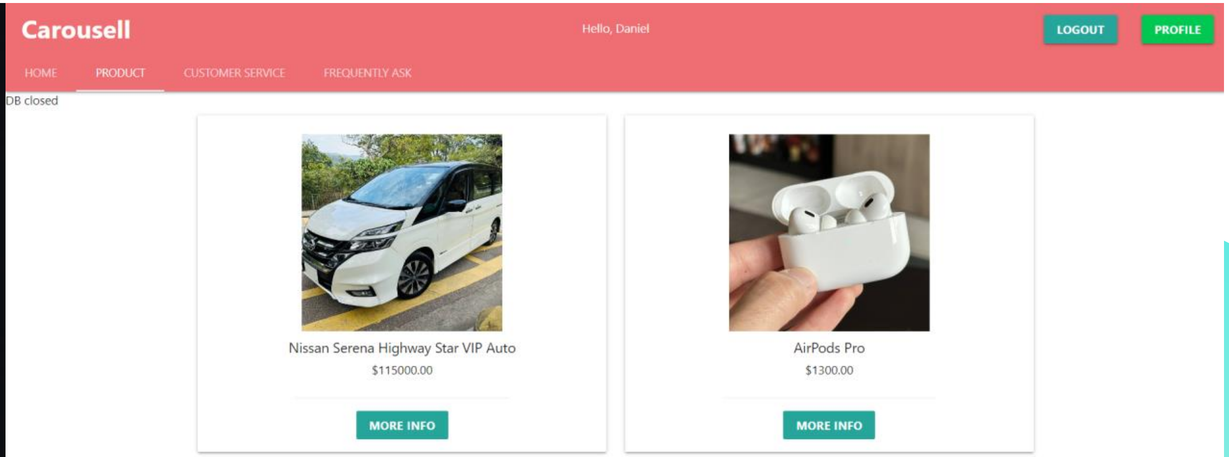
Extremely long license fee (end of February 2025), private sale 2017 Serena Highway VIP, 17-year system, first registration in 2018, 7+1 flexible seating, 360 parking camera, Keyless start, top version, S -HYBRID fuel-saving engine, double electric sliding doors, Bluetooth sound system, just changed oil, burner, style, oil grid, new steering wheel. Licensed goods, the car has just been inspected, and the mechanical performance is top-notch. Welcome to inquire!

Condition: ○ Brand New ○ Like New ● Lightly Used ○ Well Used ○ Heavily Used

mailing: ○ Yes ● No

meetup: ● Yes ○ No

Upload product image: FILE nissan_serena_highway_

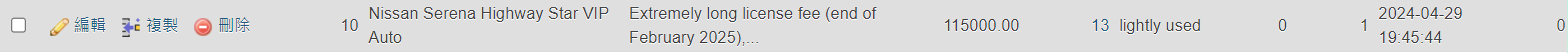


Nissan Serena Highway Star VIP Auto
$115000.00

AirPods Pro
$1300.00

After successful upload, product information display at the top of the product page

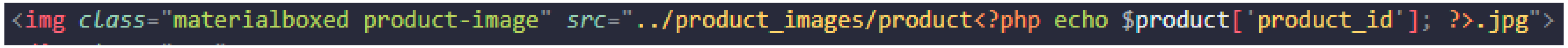
Product information has successfully store in database



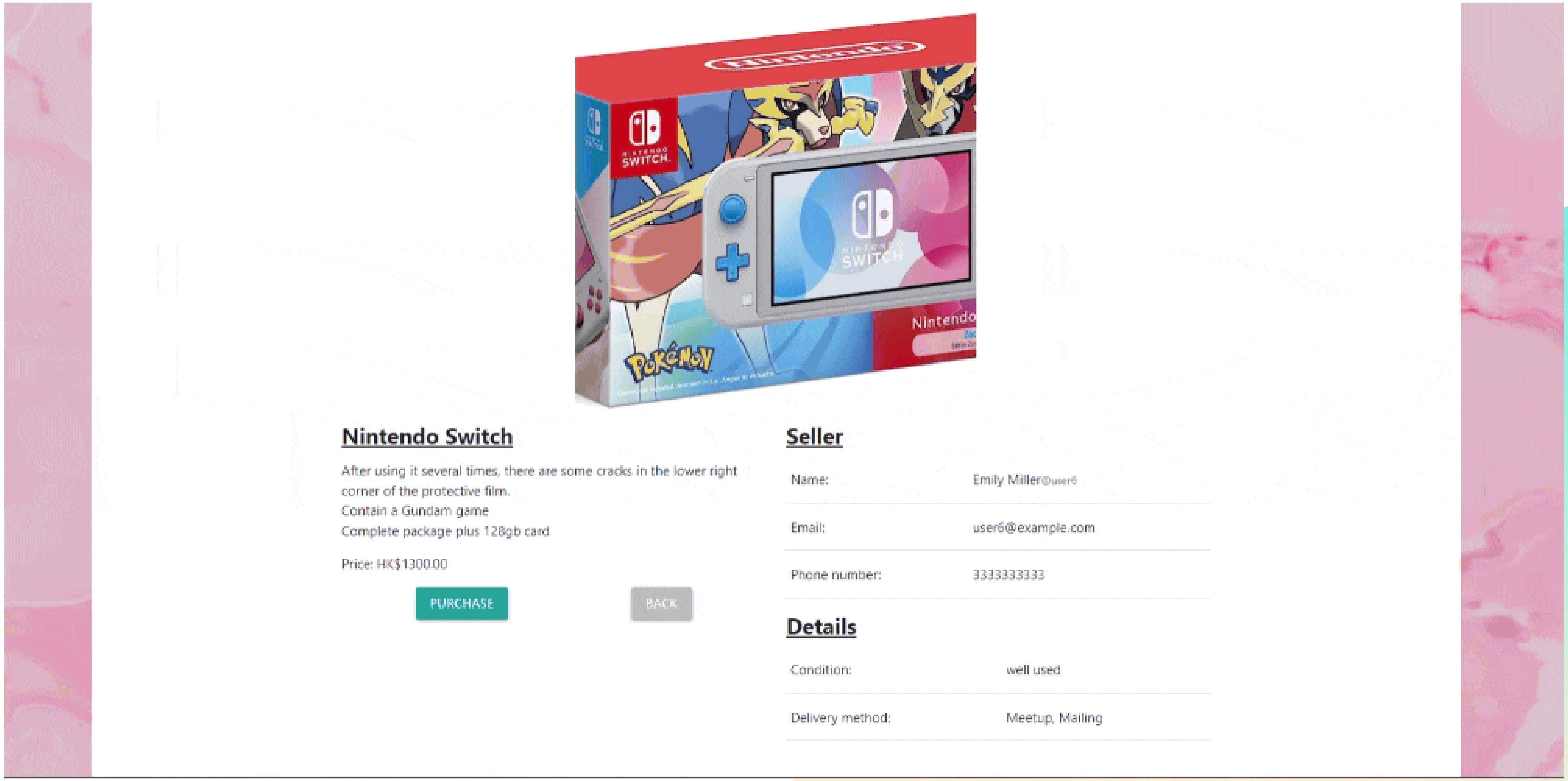
□	編輯	複製	刪除	10	Nissan Serena Highway Star VIP Auto	Extremely long license fee (end of February 2025),...	115000.00	13	lightly used	0	1	2024-04-29 19:45:44	0

Product information

Materialize (class = materialboxed)



```
<img class="materialboxed product-image" src="../product_images/product<?php echo $product['product_id']; ?>.jpg">
```



Nintendo Switch

After using it several times, there are some cracks in the lower right corner of the protective film.
Contain a Gundam game
Complete package plus 128gb card

Price: HK$1300.00

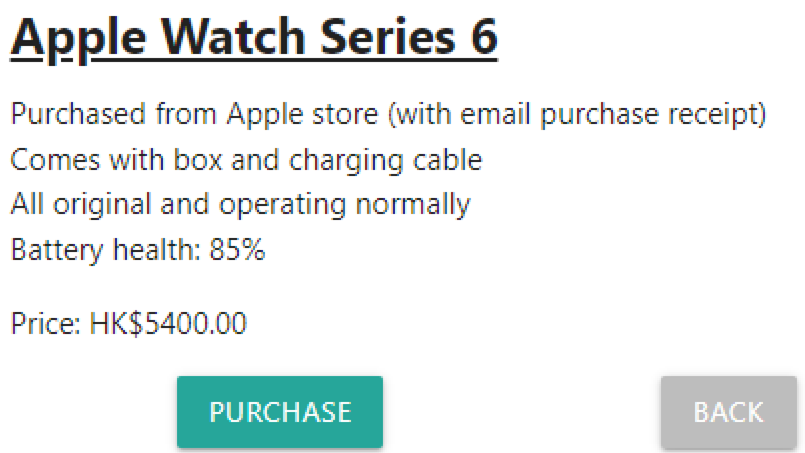
Seller

Name:	Emily Miller@user6
Email:	user6@example.com
Phone number:	3333333333

Details

Condition:	well used
Delivery method:	Meetup, Mailing

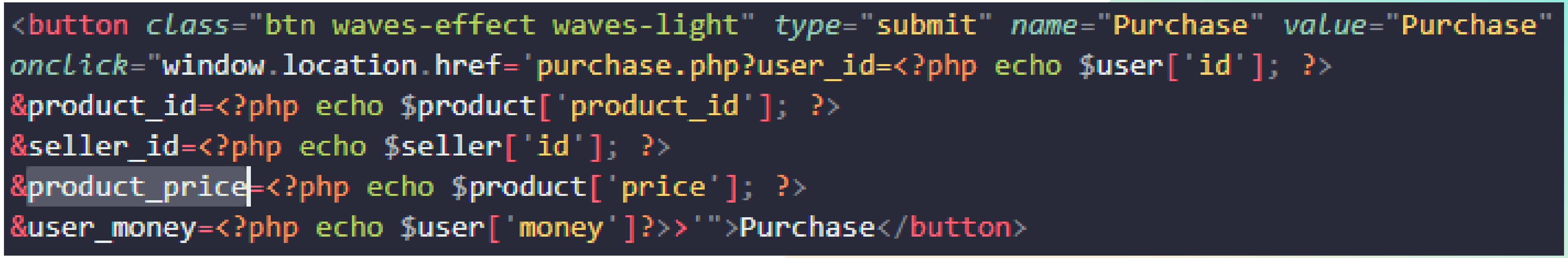
Purchase button



Apple Watch Series 6

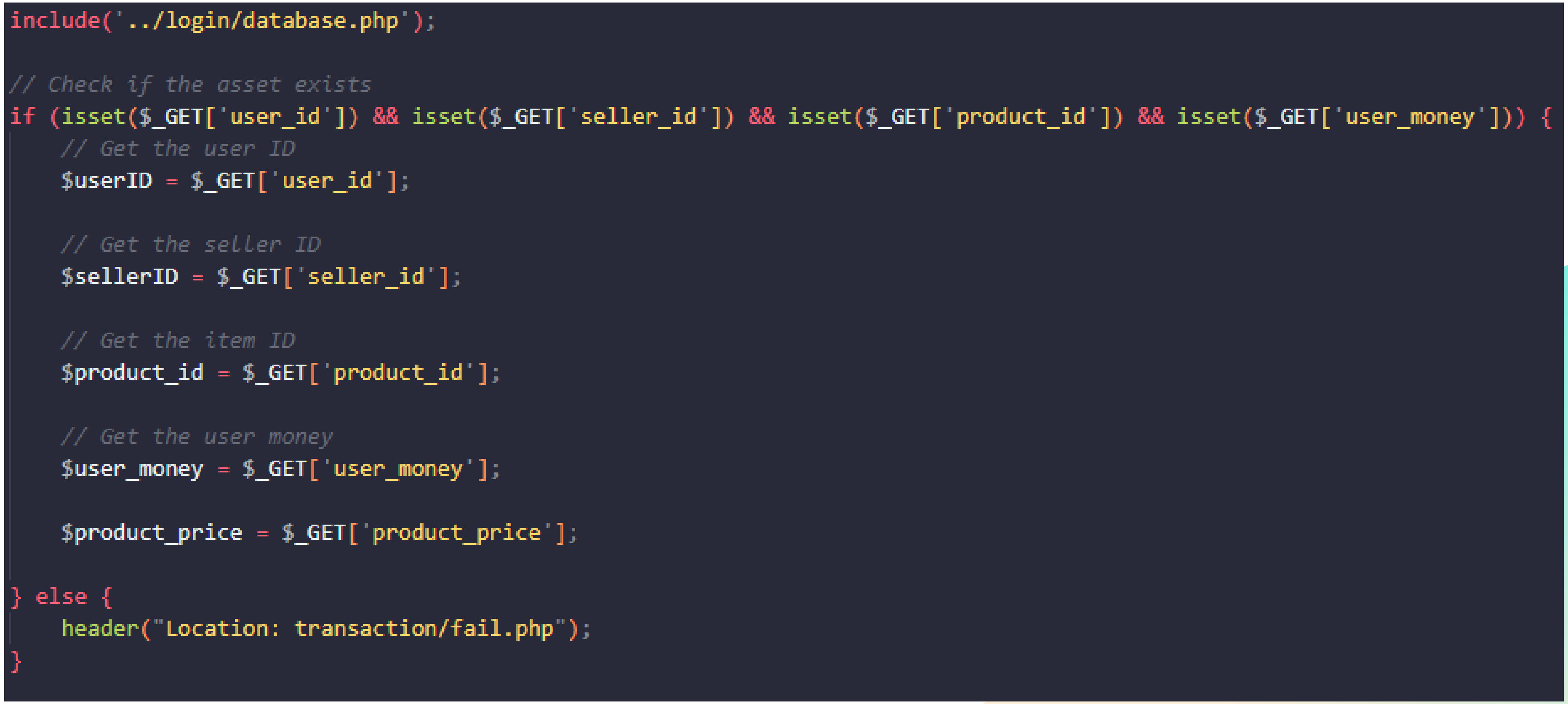
Purchased from Apple store (with email purchase receipt)
Comes with box and charging cable
All original and operating normally
Battery health: 85%

Price: HK$5400.00



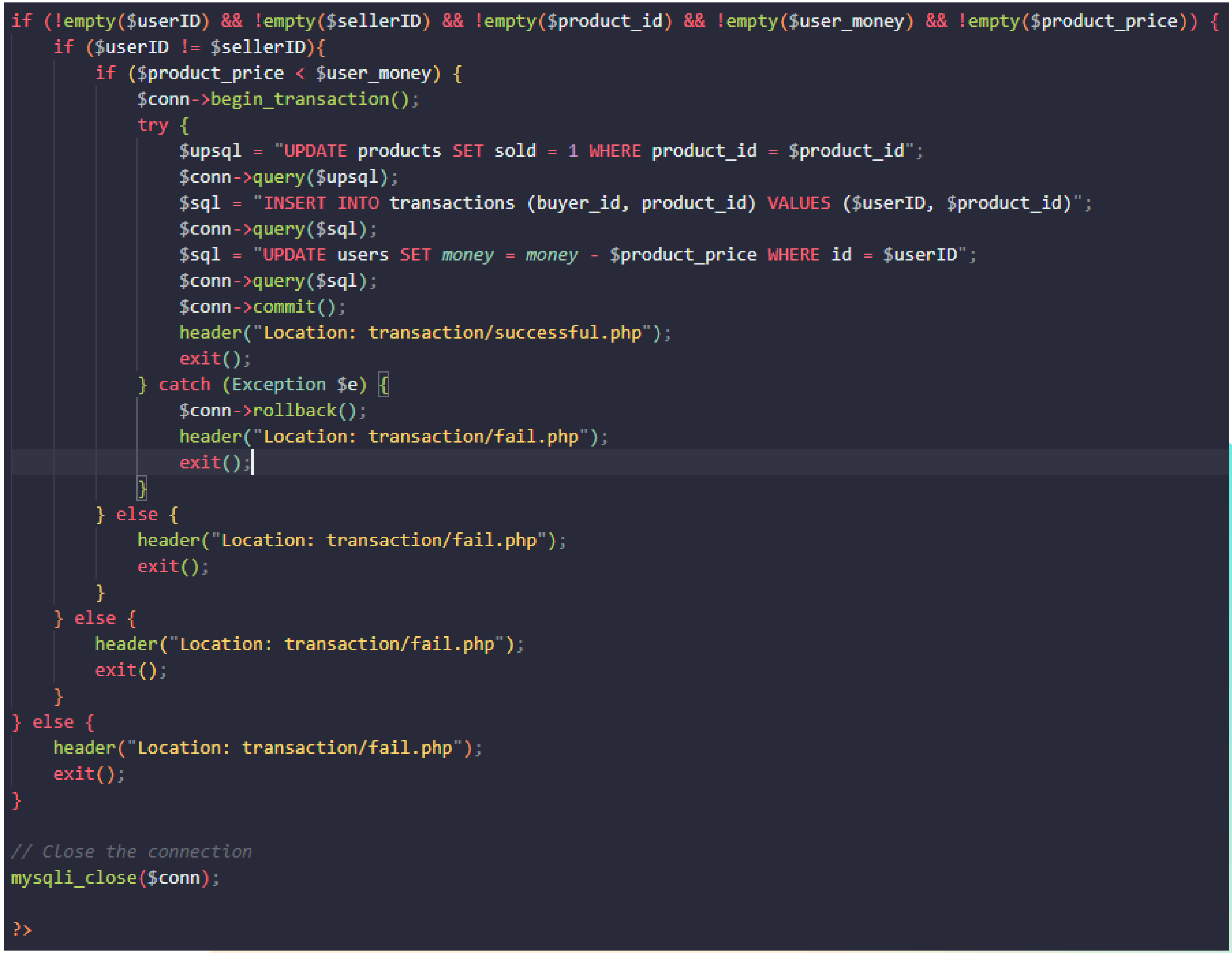
```
<button class="btn waves-effect waves-light" type="submit" name="Purchase" value="Purchase"
onclick="window.location.href='purchase.php?user_id=<?php echo $user['id']; ?>
&product_id=<?php echo $product['product_id']; ?>
&seller_id=<?php echo $seller['id']; ?>
&product_price=<?php echo $product['price']; ?>
&user_money=<?php echo $user['money']?>>'">Purchase</button>
```

Get the value(purchase.php)

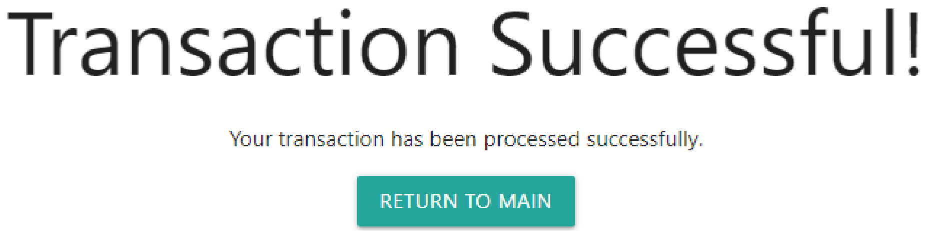


```php
include('../login/database.php');

// Check if the asset exists
if (isset($_GET['user_id']) && isset($_GET['seller_id']) && isset($_GET['product_id']) && isset($_GET['user_money'])) {
    // Get the user ID
    $userID = $_GET['user_id'];

    // Get the seller ID
    $sellerID = $_GET['seller_id'];

    // Get the item ID
    $product_id = $_GET['product_id'];

    // Get the user money
    $user_money = $_GET['user_money'];

    $product_price = $_GET['product_price'];

} else {
    header("Location: transaction/fail.php");
}
```

Transaction (purchase.php)



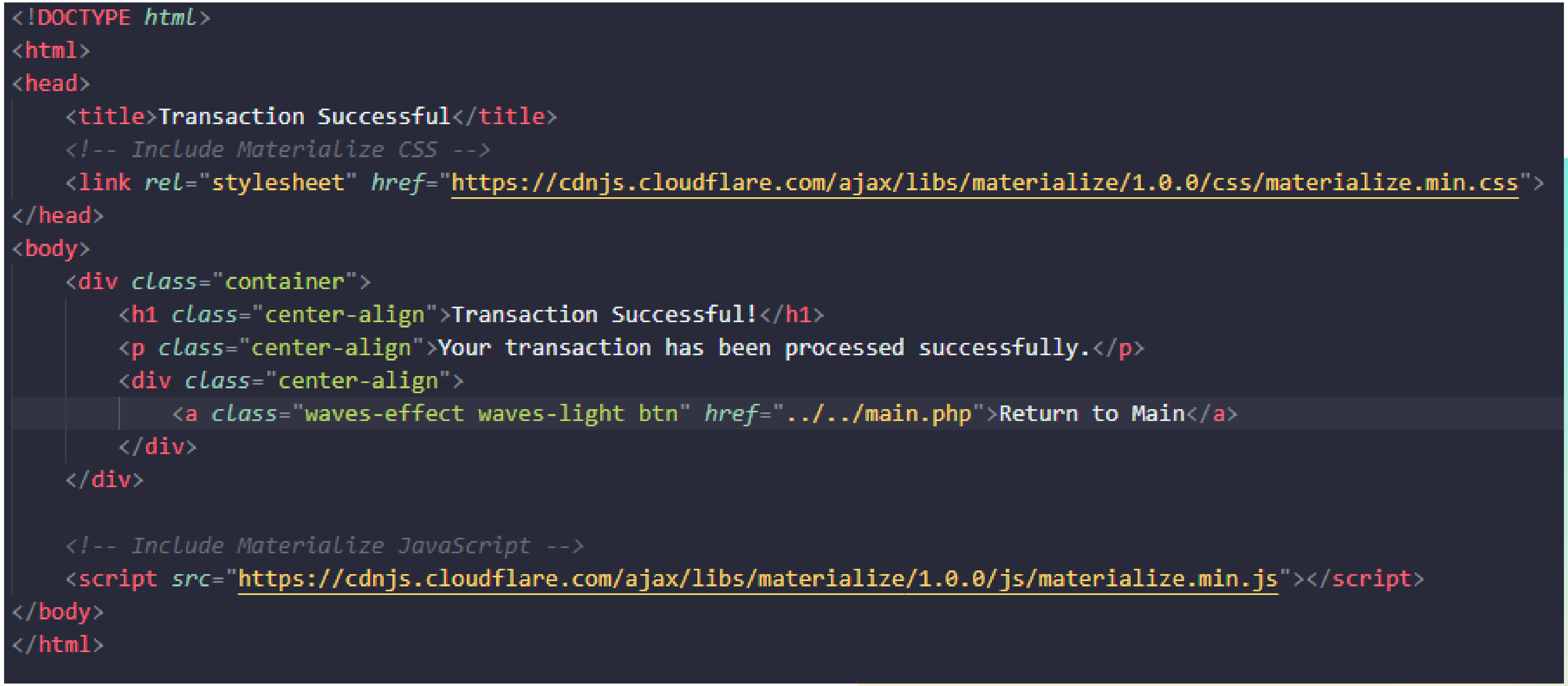
```
if (!empty($userID) && !empty($sellerID) && !empty($product_id) && !empty($user_money) && !empty($product_price)) {
    if ($userID != $sellerID){
        if ($product_price < $user_money) {
            $conn->begin_transaction();
            try {
                $upsql = "UPDATE products SET sold = 1 WHERE product_id = $product_id";
                $conn->query($upsql);
                $sql = "INSERT INTO transactions (buyer_id, product_id) VALUES ($userID, $product_id)";
                $conn->query($sql);
                $sql = "UPDATE users SET money = money - $product_price WHERE id = $userID";
                $conn->query($sql);
                $conn->commit();
                header("Location: transaction/successful.php");
                exit();
            } catch (Exception $e) {
                $conn->rollback();
                header("Location: transaction/fail.php");
                exit();
            }
        } else {
            header("Location: transaction/fail.php");
            exit();
        }
    } else {
        header("Location: transaction/fail.php");
        exit();
    }
} else {
    header("Location: transaction/fail.php");
    exit();
}

// Close the connection
mysqli_close($conn);

?>
```



Transaction Successful!

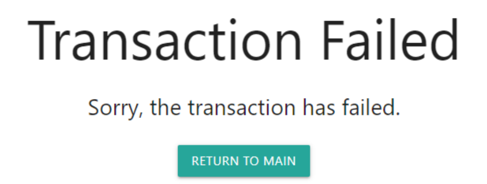
Your transaction has been processed successfully.

successful.php



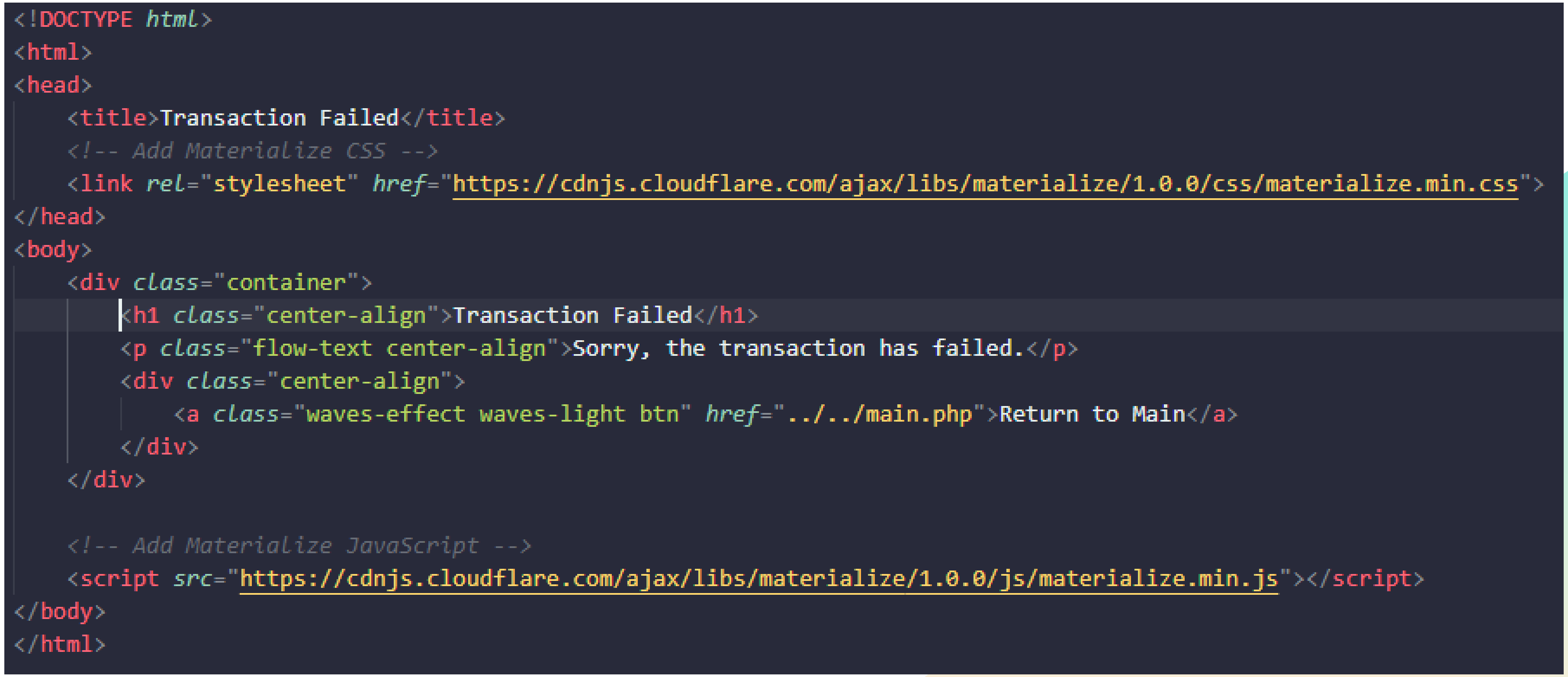
```
<!DOCTYPE html>
<html>
<head>
    <title>Transaction Successful</title>
    <!-- Include Materialize CSS -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
</head>
<body>
    <div class="container">
        <h1 class="center-align">Transaction Successful!</h1>
        <p class="center-align">Your transaction has been processed successfully.</p>
        <div class="center-align">
            <a class="waves-effect waves-light btn" href="../../main.php">Return to Main</a>
        </div>
    </div>

    <!-- Include Materialize JavaScript -->
    <script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>
</body>
</html>
```

fail.php



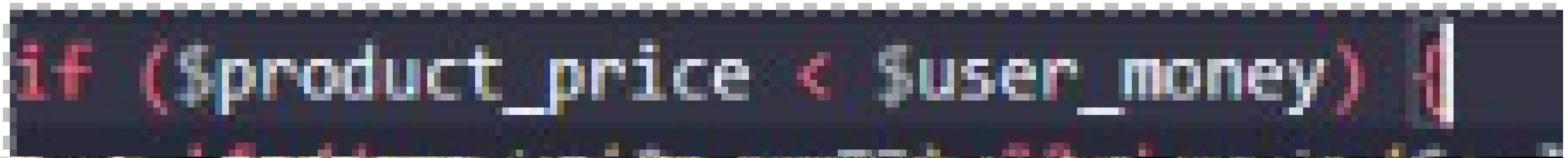
Transaction Failed

Sorry, the transaction has failed.

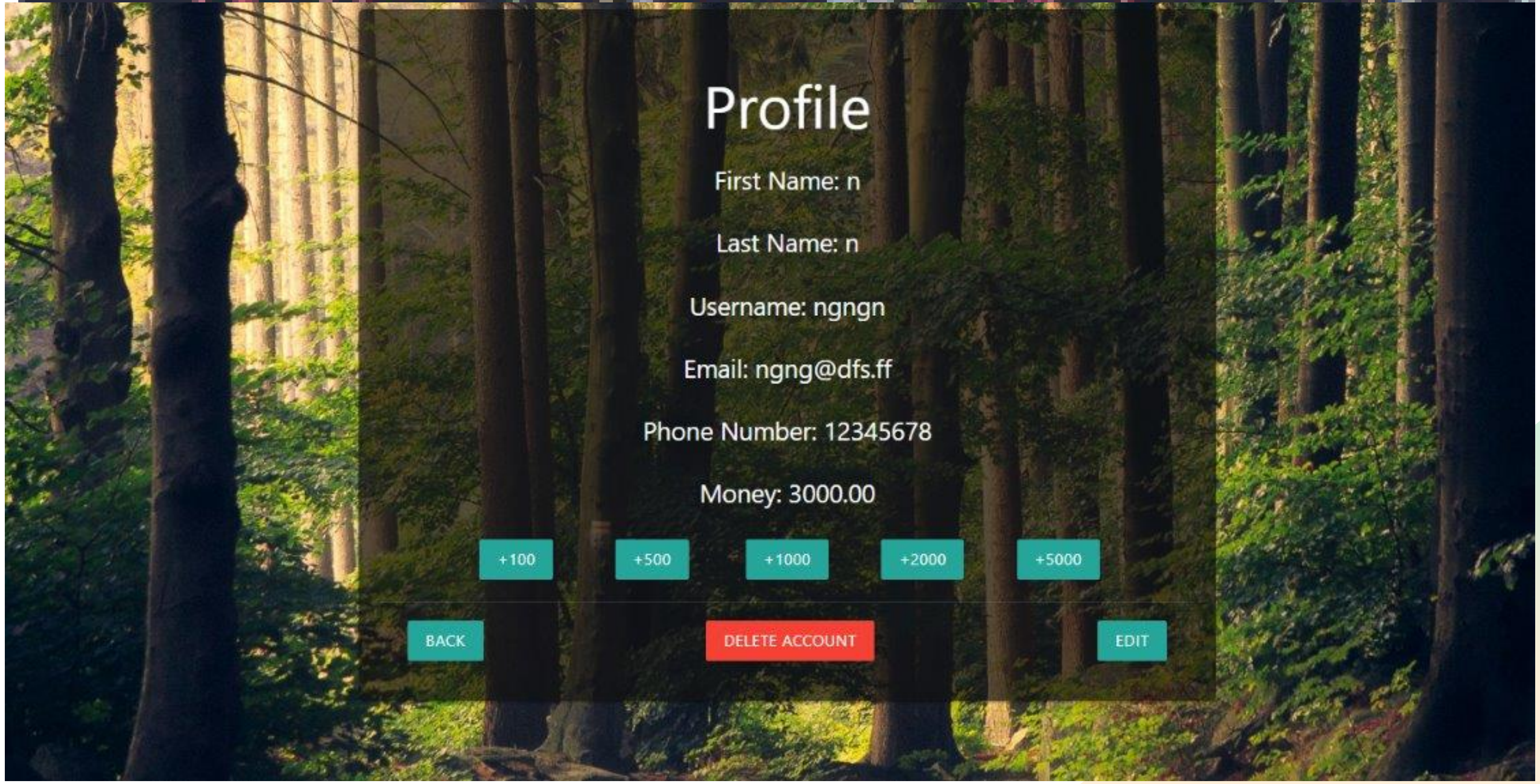


```html
<!DOCTYPE html>
<html>
<head>
    <title>Transaction Failed</title>
    <!-- Add Materialize CSS -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
</head>
<body>
    <div class="container">
        <h1 class="center-align">Transaction Failed</h1>
        <p class="flow-text center-align">Sorry, the transaction has failed.</p>
        <div class="center-align">
            <a class="waves-effect waves-light btn" href="../../main.php">Return to Main</a>
        </div>
    </div>

    <!-- Add Materialize JavaScript -->
    <script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>
</body>
</html>
```

Where is the money come from?



```
if ($product_price < $user_money) {
```



Profile

First Name: n

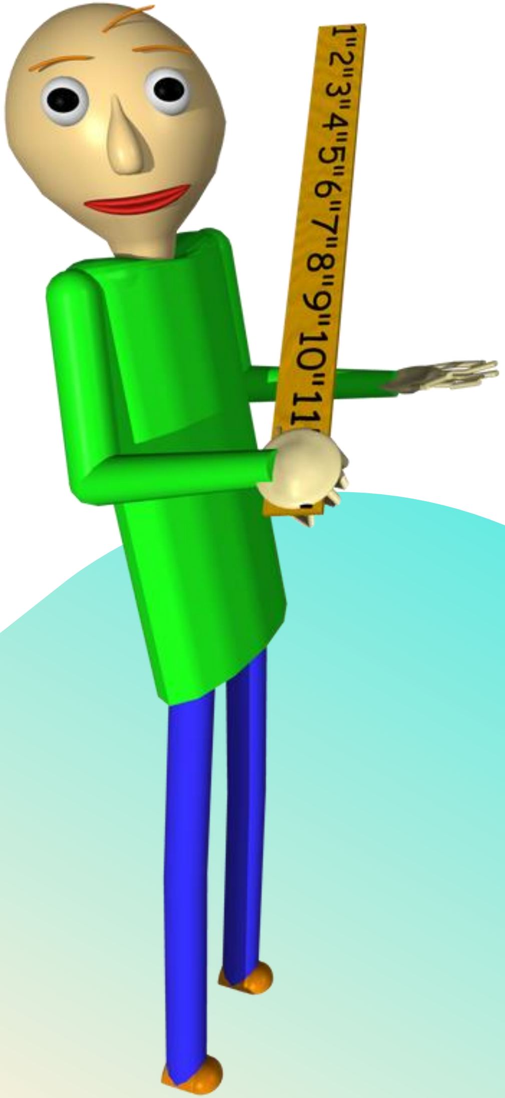
Last Name: n

Username: ngngn

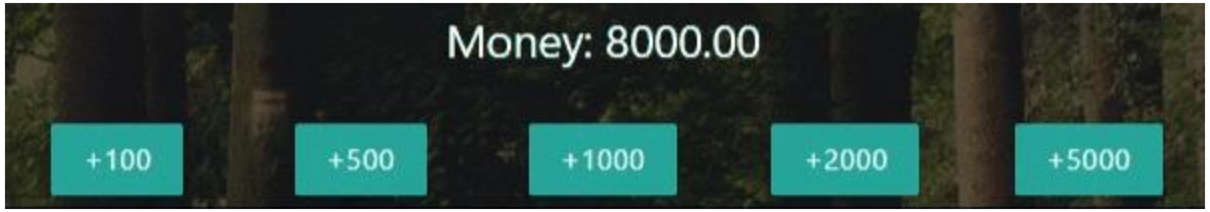
Email: ngng@dfs.ff

Phone Number: 12345678

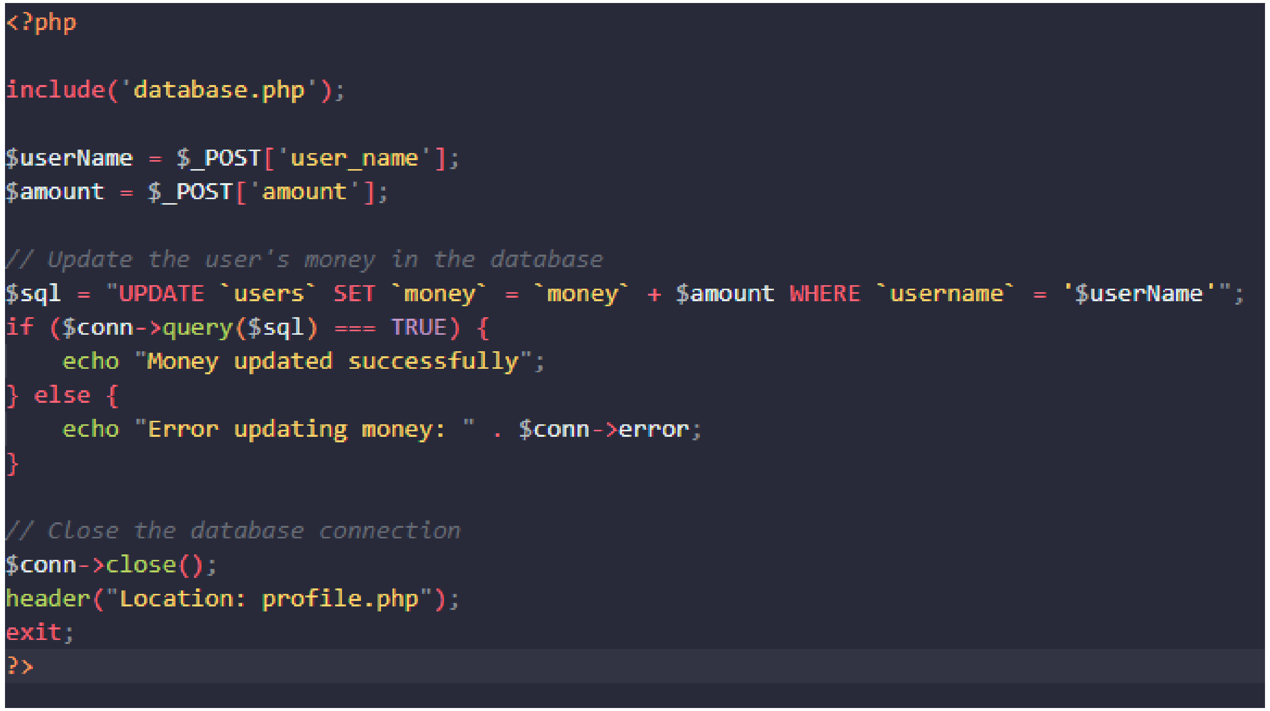
Money: 3000.00



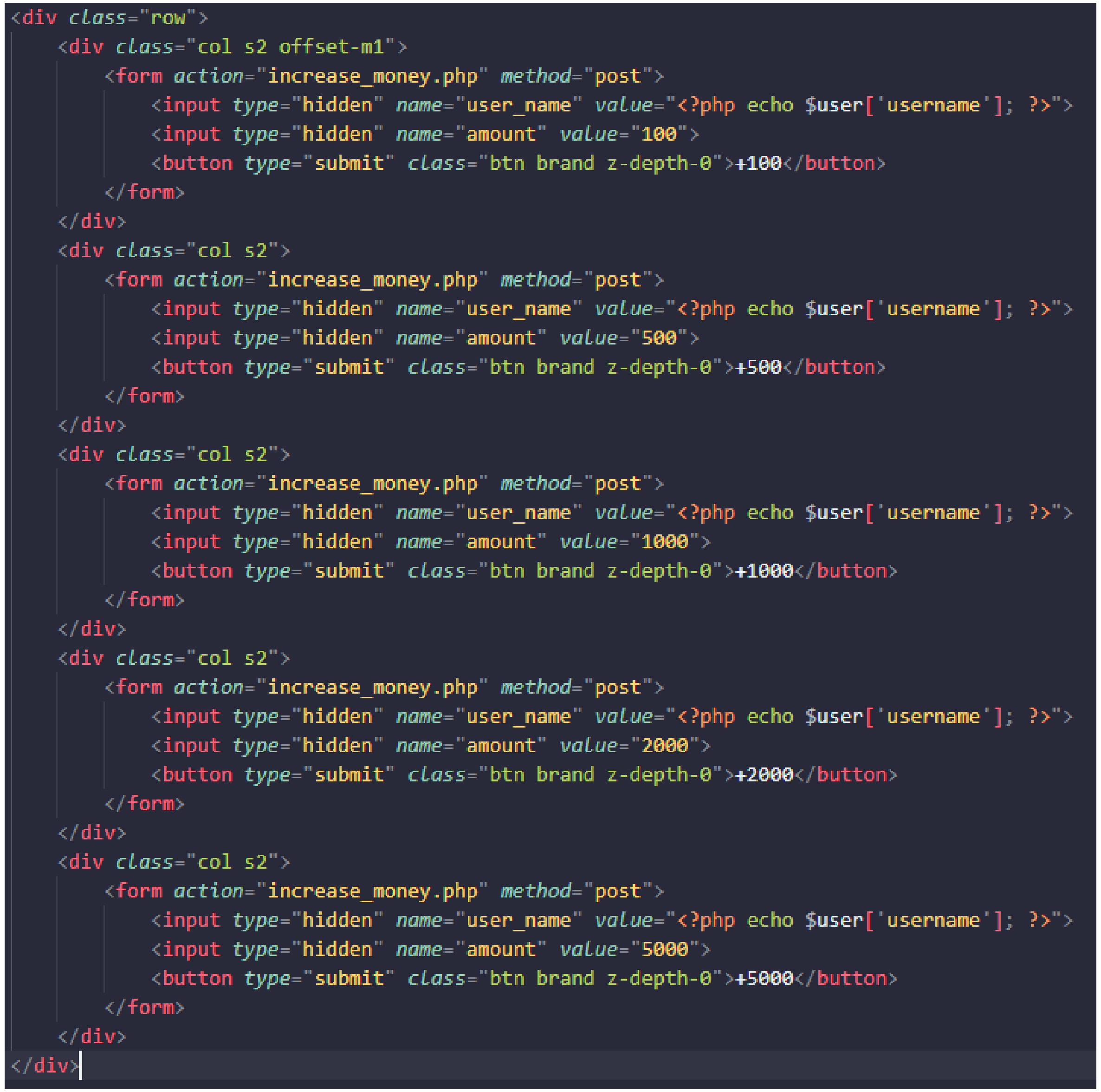
Simulation transaction



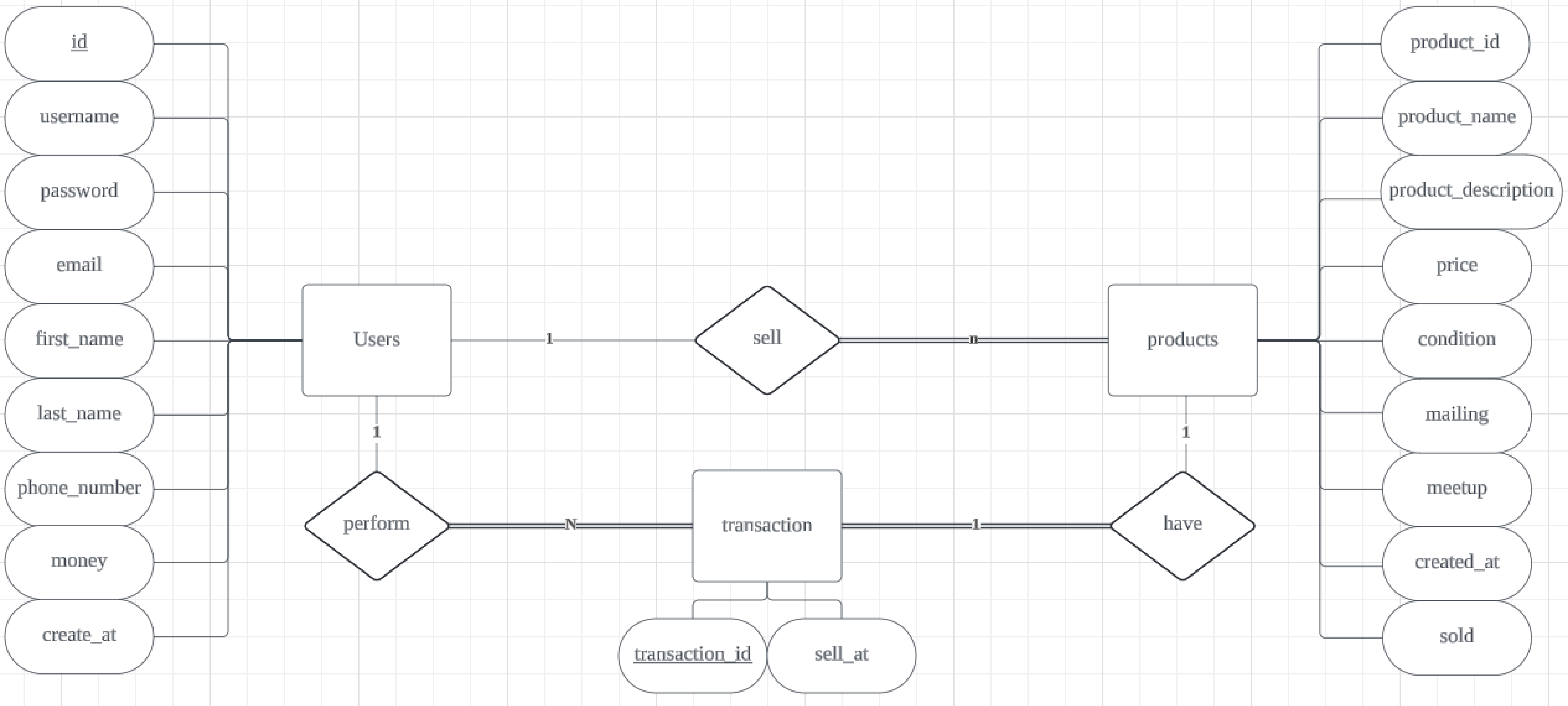
Money: 8000.00



```php
<?php

include('database.php');

$userName = $_POST['user_name'];
$amount = $_POST['amount'];

// Update the user's money in the database
$sql = "UPDATE `users` SET `money` = `money` + $amount WHERE `username` = '$userName'";
if ($conn->query($sql) === TRUE) {
    echo "Money updated successfully";
} else {
    echo "Error updating money: " . $conn->error;
}

// Close the database connection
$conn->close();
header("Location: profile.php");
exit;
?>
```



```html
<div class="row">
    <div class="col s2 offset-m1">
        <form action="increase_money.php" method="post">
            <input type="hidden" name="user_name" value="<?php echo $user['username']; ?>">
            <input type="hidden" name="amount" value="100">
            <button type="submit" class="btn brand z-depth-0">+100</button>
        </form>
    </div>
    <div class="col s2">
        <form action="increase_money.php" method="post">
            <input type="hidden" name="user_name" value="<?php echo $user['username']; ?>">
            <input type="hidden" name="amount" value="500">
            <button type="submit" class="btn brand z-depth-0">+500</button>
        </form>
    </div>
    <div class="col s2">
        <form action="increase_money.php" method="post">
            <input type="hidden" name="user_name" value="<?php echo $user['username']; ?>">
            <input type="hidden" name="amount" value="1000">
            <button type="submit" class="btn brand z-depth-0">+1000</button>
        </form>
    </div>
    <div class="col s2">
        <form action="increase_money.php" method="post">
            <input type="hidden" name="user_name" value="<?php echo $user['username']; ?>">
            <input type="hidden" name="amount" value="2000">
            <button type="submit" class="btn brand z-depth-0">+2000</button>
        </form>
    </div>
    <div class="col s2">
        <form action="increase_money.php" method="post">
            <input type="hidden" name="user_name" value="<?php echo $user['username']; ?>">
            <input type="hidden" name="amount" value="5000">
            <button type="submit" class="btn brand z-depth-0">+5000</button>
        </form>
    </div>
</div>
```


id
username
password
email
first_name
last_name
phone_number
money
create_at
Users
1
sell
n
products
1
perform
N
transaction
1
have
1
transaction_id
sell_at
product_id
product_name
product_description
price
condition
mailing
meetup
created_at
sold

Thank you!