Food Ordering E-Commerce in PHP

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ABSTRACT

The Restaurant Product Order focuses mainly on managing transaction records within the restaurant. To be more precise, the system helps to keep track of product sales. In addition, the system displays all the available food items and sales reports. In addition, the system allows adding up customers too. This project contains an admin panel with CRUD operation and a customer panel. In an overview of this web application, a customer can simply register into the system and use its features. The customers can view food items, make orders, and make payments.

Additionally, the customers can view their personal expenses too. In fact, the expenses section is counted only after successful payment. With it, the system also allows the customers to select payment types; cash or payment. Besides, customers can update their profiles too.

Last, a dashboard is presented for a greater user experience while using this system in PHP & MySQL. For its user interface elements, a free open-source CSS framework, Bootstrap is on board with some Vanilla CSS too. This system also has a ChatGPT 3.5 messaging service where customers can ask questions and it will answer them out of the database through the replies and queries table; also the chatgpt feature is one of the emerging technologies known from the year 2021 in PHP.

Available Features:

- Admin Panel
- Customer Panel

- Data Entry Panel
- Customer Management
- Product Management
- Place Food Orders
- Cancel Orders
- Payments
- Print Receipts
- Order and Payment Reports
- View Total Sales
- Update Profile
- Check Recent Payments – Customer
- Make Orders – Customer
- View Total Expenses – Customer
- Chat Bot (Emerging Trend in PHP)

Emerging Trend

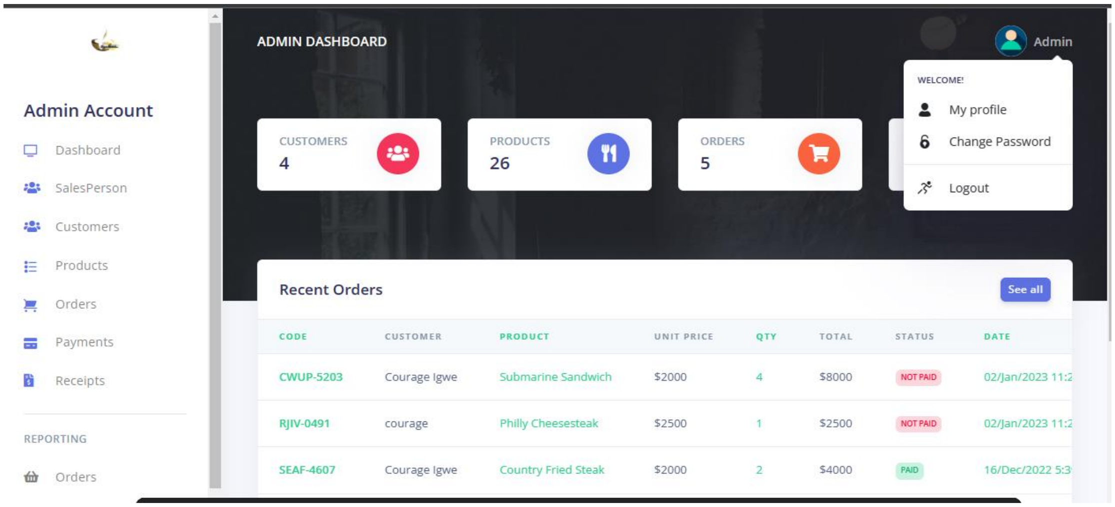
ChatGPT is adapted from OpenAI’s GPT-3.5 model but trained to provide more conversational answers. While GPT-3 in its original form simply predicts what text follows any given string of words.ChatGPT tries to engage with users’ queries in a more human-like fashion. It is capable of engaging with a huge range of topics, demonstrating big improvements to chatbots seen even a few years ago.

Some capabilities of ChatGPT includes: Remembers what user said earlier in the conversation; Allows user to provide follow-up corrections; Trained to decline inappropriate requests.

Some limitations of ChatGPT includes: May occasionally generate incorrect information; May occasionally produce harmful instructions or biased content.

Screenshots and Sample Source Code

Admin



CUSTOMERS 4

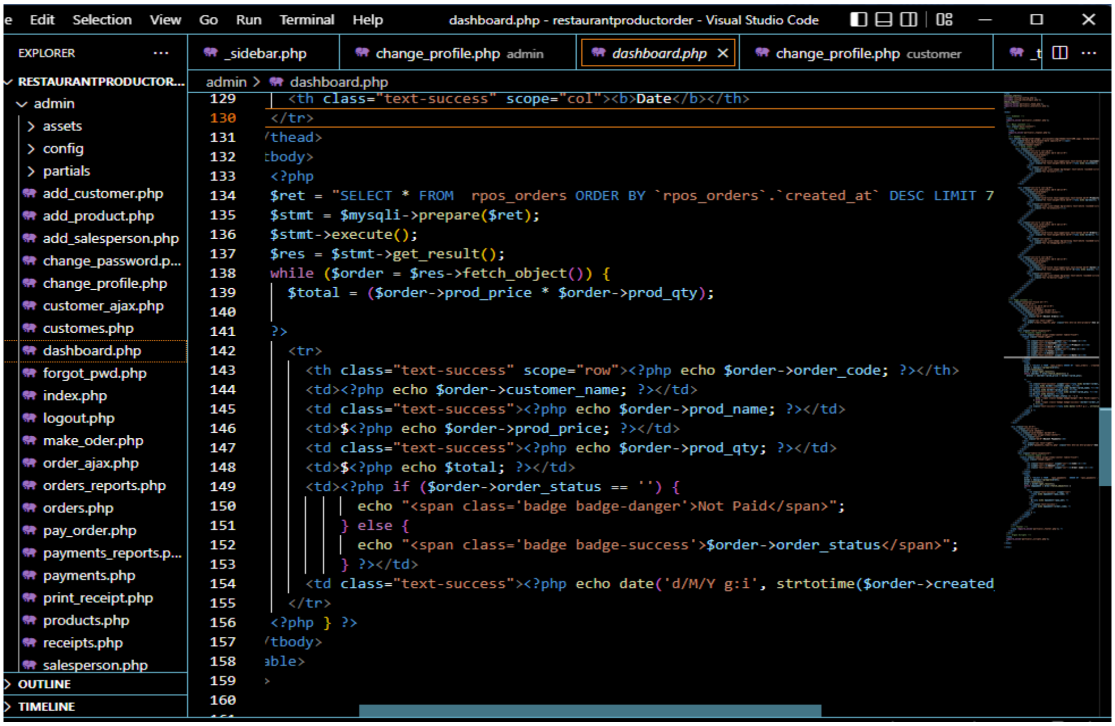
PRODUCTS 26

ORDERS 5

Recent Orders

CODE	CUSTOMER	PRODUCT	UNIT PRICE	QTY	TOTAL	STATUS	DATE
CWUP-5203	Courage Igwe	Submarine Sandwich	$2000	4	$8000	NOT PAID	02/Jan/2023 11:2
RJIV-0491	courage	Philly Cheesesteak	$2500	1	$2500	NOT PAID	02/Jan/2023 11:2
SEAF-4607	Courage Igwe	Country Fried Steak	$2000	2	$4000	PAID	16/Dec/2022 5:3

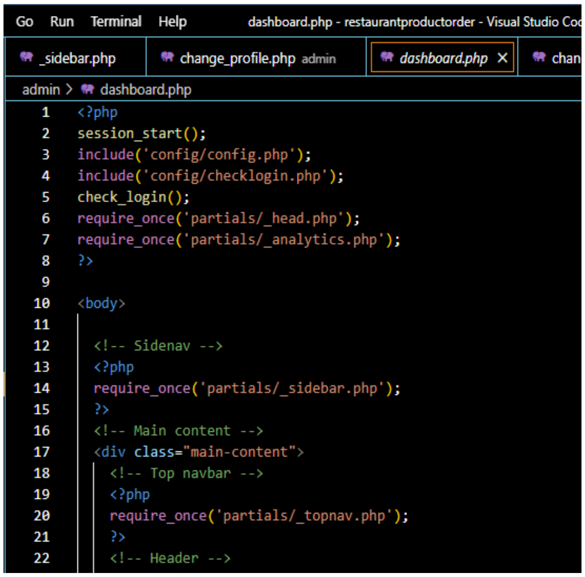
Shown above is the admin dashbord interface.



```
  <th class="text-success" scope="col"><b>Date</b></th>
</tr>
/thead>
tbody>
<?php
$ret = "SELECT * FROM  rpos_orders ORDER BY `rpos_orders`.`created_at` DESC LIMIT 7
$stmt = $mysqli->prepare($ret);
$stmt->execute();
$res = $stmt->get_result();
while ($order = $res->fetch_object()) {
  $total = ($order->prod_price * $order->prod_qty);

?>
  <tr>
    <th class="text-success" scope="row"><?php echo $order->order_code; ?></th>
    <td><?php echo $order->customer_name; ?></td>
    <td class="text-success"><?php echo $order->prod_name; ?></td>
    <td>$<?php echo $order->prod_price; ?></td>
    <td class="text-success"><?php echo $order->prod_qty; ?></td>
    <td>$<?php echo $total; ?></td>
    <td><?php if ($order->order_status == '') {
          echo "<span class='badge badge-danger'>Not Paid</span>";
        } else {
          echo "<span class='badge badge-success'>$order->order_status</span>";
        } ?></td>
    <td class="text-success"><?php echo date('d/M/Y g:i', strtotime($order->created
  </tr>
<?php } ?>
/tbody>
able>
>
```

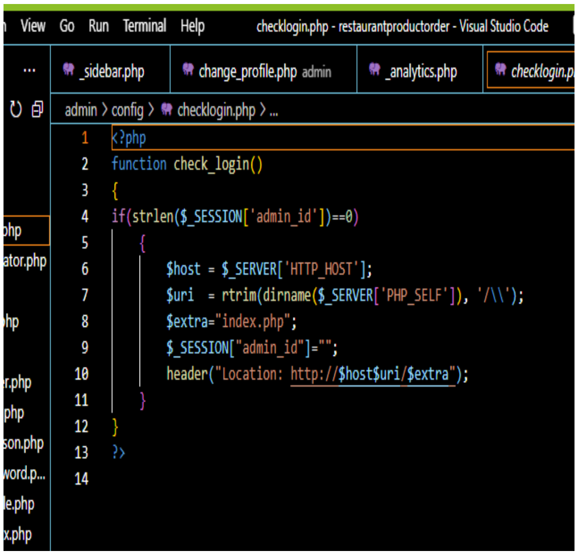
The above code   is what displays the recent order on the admin dashboard.



```php
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
check_login();
require_once('partials/_head.php');
require_once('partials/_analytics.php');
?>

<body>

  <!-- Sidenav -->
  <?php
  require_once('partials/_sidebar.php');
  ?>
  <!-- Main content -->
  <div class="main-content">
    <!-- Top navbar -->
    <?php
    require_once('partials/_topnav.php');
    ?>
    <!-- Header -->
```

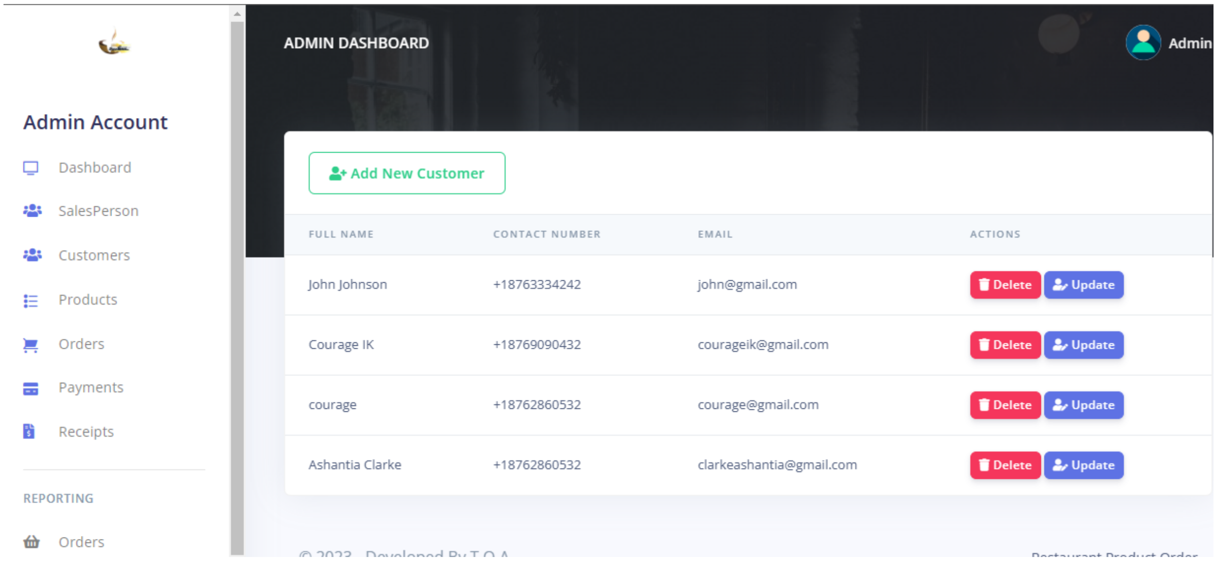


View Go Run Terminal Help
checklogin.php - restaurantproductorder - Visual Studio Code
...
_sidebar.php
change_profile.php admin
_analytics.php
checklogin.p
admin > config > checklogin.php > ...
php
ator.php
hp
r.php
php
son.php
word.p...
le.php
x.php

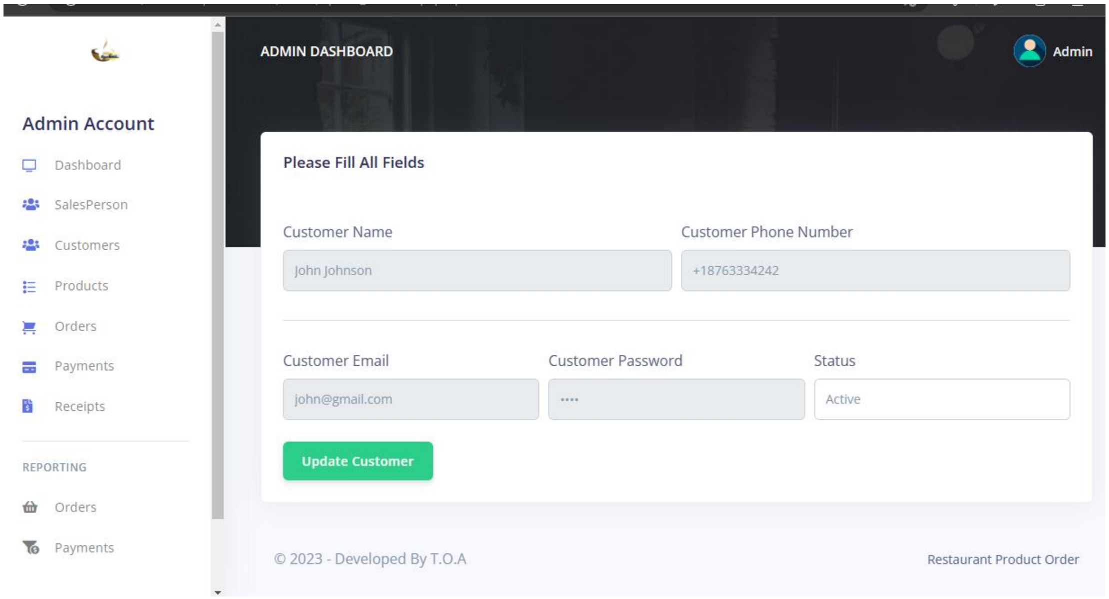
```php
<?php
function check_login()
{
if(strlen($_SESSION['admin_id'])==0)
    {
        $host = $_SERVER['HTTP_HOST'];
        $uri  = rtrim(dirname($_SERVER['PHP_SELF']), '/\\');
        $extra="index.php";
        $_SESSION["admin_id"]="";
        header("Location: http://$host$uri/$extra");
    }
}
?>
```

To the right is the session code and to the left is the code showing that session was included into the admin dashboard.

Customer Management



FULL NAME	CONTACT NUMBER	EMAIL	ACTIONS
John Johnson	+18763334242	john@gmail.com	Delete Update
Courage IK	+18769090432	courageik@gmail.com	Delete Update
courage	+18762860532	courage@gmail.com	Delete Update
Ashantia Clarke	+18762860532	clarkeashantia@gmail.com	Delete Update



Please Fill All Fields

Customer Name: John Johnson

Customer Phone Number: +18763334242

Customer Email: john@gmail.com

Customer Password: ••••

Status: Active

Update Customer

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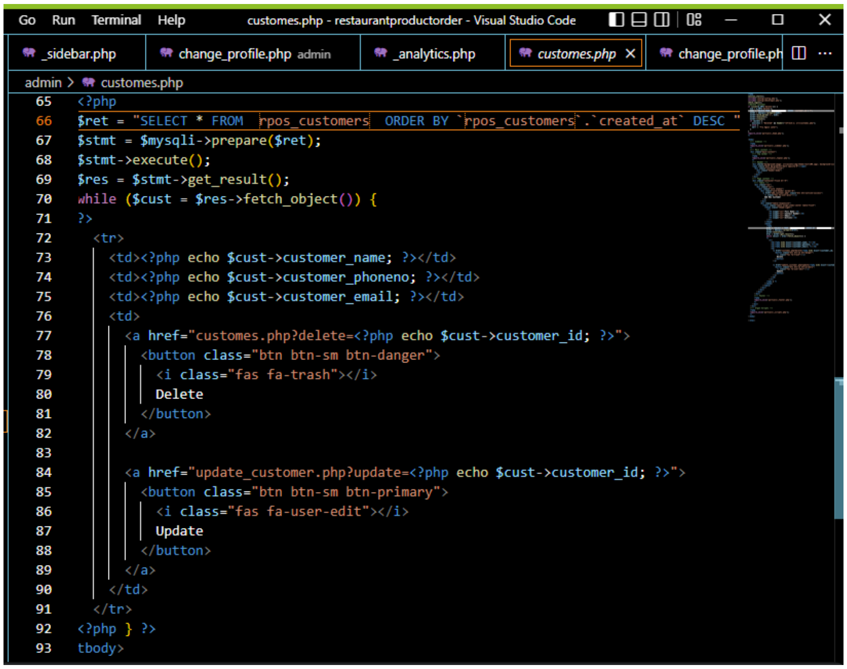
Restaurant Product Order

In the above interface, the admin can add, delete and can only update the status of a customer (Active or Inactive).



```
<?php
$ret = "SELECT * FROM  `rpos_customers`  ORDER BY `rpos_customers`.`created_at` DESC "
$stmt = $mysqli->prepare($ret);
$stmt->execute();
$res = $stmt->get_result();
while ($cust = $res->fetch_object()) {
?>
  <tr>
    <td><?php echo $cust->customer_name; ?></td>
    <td><?php echo $cust->customer_phoneno; ?></td>
    <td><?php echo $cust->customer_email; ?></td>
    <td>
      <a href="customes.php?delete=<?php echo $cust->customer_id; ?>">
        <button class="btn btn-sm btn-danger">
          <i class="fas fa-trash"></i>
          Delete
        </button>
      </a>

      <a href="update_customer.php?update=<?php echo $cust->customer_id; ?>">
        <button class="btn btn-sm btn-primary">
          <i class="fas fa-user-edit"></i>
          Update
        </button>
      </a>
    </td>
  </tr>
<?php } ?>
tbody>
```

The code above is what displays the table containing the customers full name, contact, email and action.

Product Management

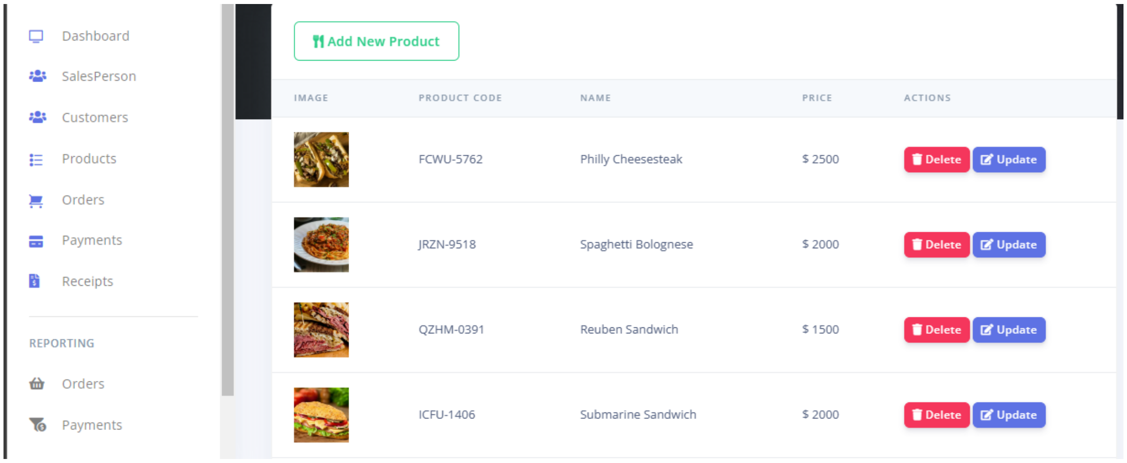
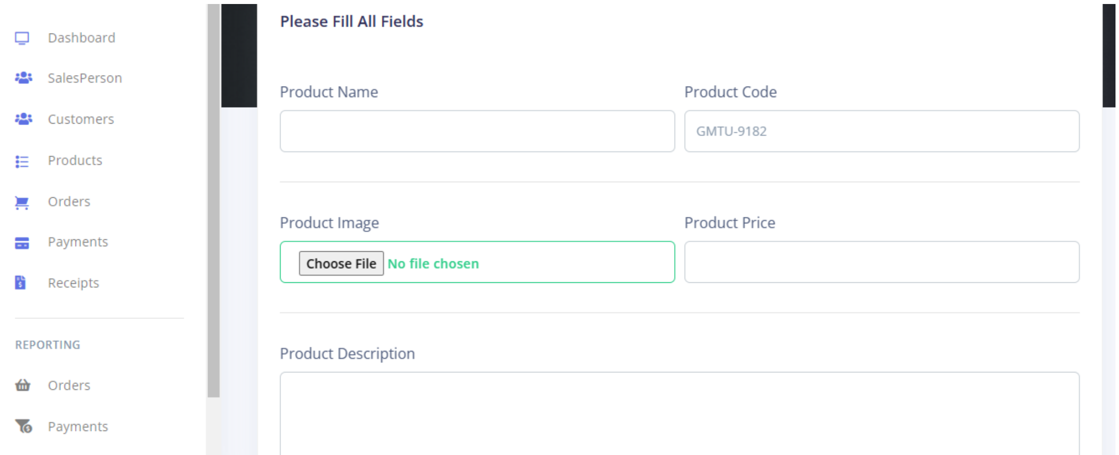


IMAGE	PRODUCT CODE	NAME	PRICE	ACTIONS
	FCWU-5762	Philly Cheesesteak	$ 2500	Delete Update
	JRZN-9518	Spaghetti Bolognese	$ 2000	Delete Update
	QZHM-0391	Reuben Sandwich	$ 1500	Delete Update
	ICFU-1406	Submarine Sandwich	$ 2000	Delete Update



Please Fill All Fields

Product Name

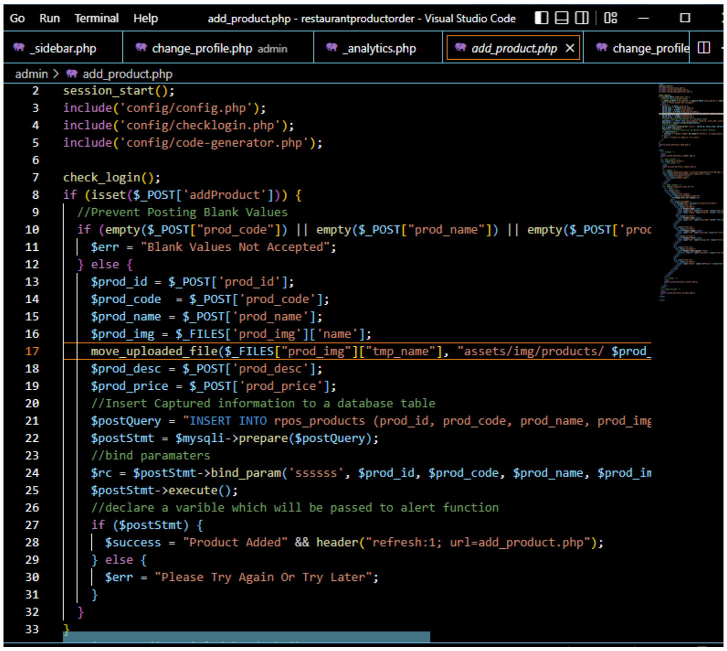
Product Code: GMTU-9182

Product Image: No file chosen

Product Price

Product Description

This is the product interface where an authorized user can delete, update and add products.

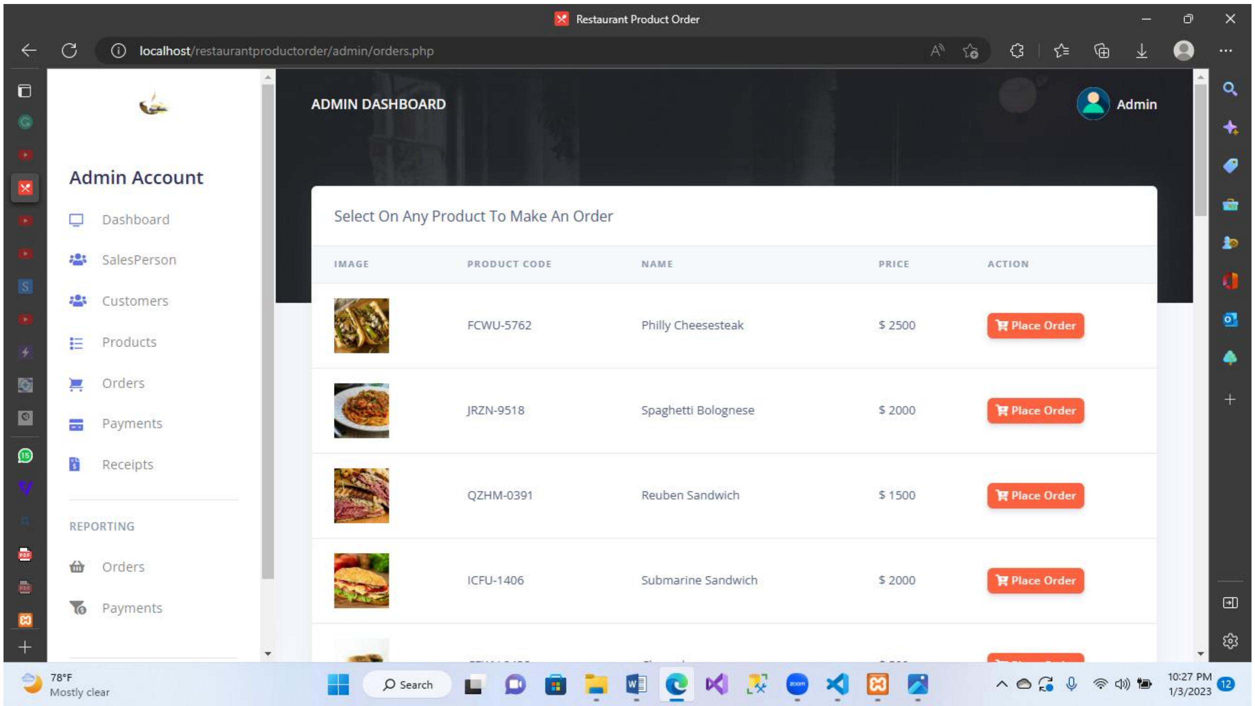


```php
session_start();
include('config/config.php');
include('config/checklogin.php');
include('config/code-generator.php');

check_login();
if (isset($_POST['addProduct'])) {
  //Prevent Posting Blank Values
  if (empty($_POST["prod_code"]) || empty($_POST["prod_name"]) || empty($_POST['proc
    $err = "Blank Values Not Accepted";
  } else {
    $prod_id = $_POST['prod_id'];
    $prod_code  = $_POST['prod_code'];
    $prod_name = $_POST['prod_name'];
    $prod_img = $_FILES['prod_img']['name'];
    move_uploaded_file($_FILES["prod_img"]["tmp_name"], "assets/img/products/ $prod_
    $prod_desc = $_POST['prod_desc'];
    $prod_price = $_POST['prod_price'];
    //Insert Captured information to a database table
    $postQuery = "INSERT INTO rpos_products (prod_id, prod_code, prod_name, prod_img
    $postStmt = $mysqli->prepare($postQuery);
    //bind paramaters
    $rc = $postStmt->bind_param('ssssss', $prod_id, $prod_code, $prod_name, $prod_im
    $postStmt->execute();
    //declare a varible which will be passed to alert function
    if ($postStmt) {
      $success = "Product Added" && header("refresh:1; url=add_product.php");
    } else {
      $err = "Please Try Again Or Try Later";
    }
  }
}
```

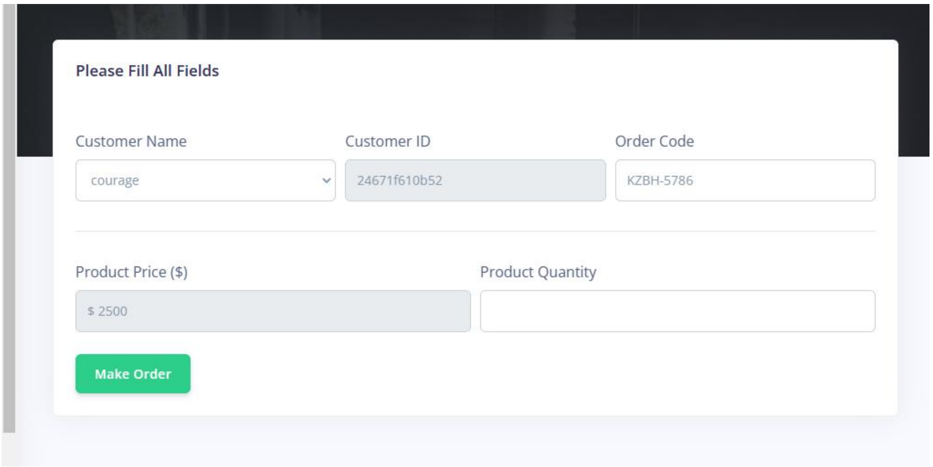
The code above accepts values from add new product form and then insert them into the database.

Place Order



Select On Any Product To Make An Order

IMAGE	PRODUCT CODE	NAME	PRICE	ACTION
	FCWU-5762	Philly Cheesesteak	$ 2500	Place Order
	JRZN-9518	Spaghetti Bolognese	$ 2000	Place Order
	QZHM-0391	Reuben Sandwich	$ 1500	Place Order
	ICFU-1406	Submarine Sandwich	$ 2000	Place Order



Please Fill All Fields

Customer Name: courage

Customer ID: 24671f610b52

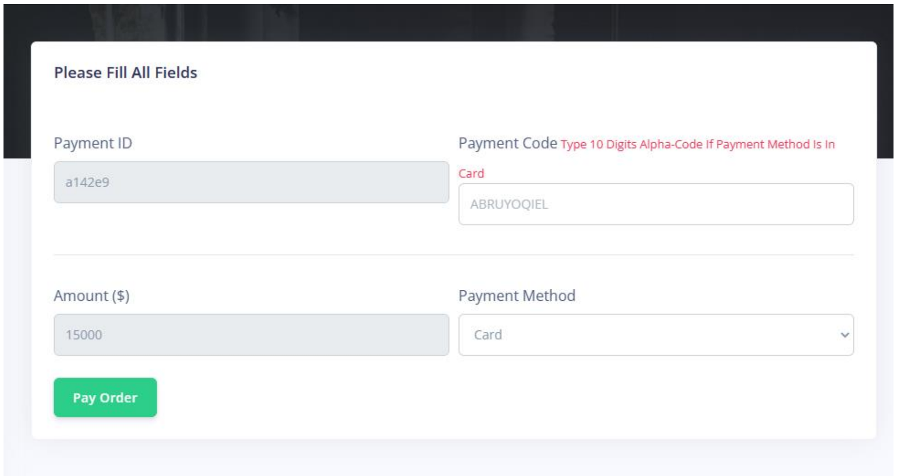
Order Code: KZBH-5786

Product Price ($): $ 2500

Product Quantity:

Shown above is the place order interface. When user clicks the place order button, they enter quantity, then click make order. The order will be stored in a card till user is ready to pay.

Payment



Please Fill All Fields

Payment ID: a142e9

Payment Code Type 10 Digits Alpha-Code If Payment Method Is In Card: ABRUYOQIEL

Amount ($): 15000

Payment Method: Card

Shown above is the payment interface. Client will have to enter a payment code and click pay order.

REFERENCE

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