POINT OF SALE SYSTEM

A Project Report Submitted

in Partial Fulfilment of the Requirements

for the Degree of Bachelor of Computer Applications

By

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CERTIFICATE

This is to certify that the project work titled *'POINT OF SALE SYSTEM'* is a Bonafide work carried out by *WANKITBOKLANG JYRWA, P2200701*, under my guidance during the final year of the course.

Ms.MSUmwi

Internal Guide

Project seminar was held on ………………. at Shillong College, Shillong.

Head of the Department   **External Examiner**

Table of Contents

Acknowledgement

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I am grateful to my college, ***SHILLONG COLLEGE***, for providing the necessary resources and a supportive environment.

A heartfelt thanks to my friends and family for their constant encouragement and support during this journey.

Thank you.

Introduction

The **<u>Point of Sale (POS)</u>** system is a web-based application that facilitates sales transactions,

 inventory management, and reporting for businesses. It aims to streamline the process by

integrating payment handling, order processing, and stock management into a single platform.

<u>Objectives:</u>

- ➢ **Efficient Sales Processing** – Automate transactions and support multiple payment methods.

- ➢ **Inventory Management** – Track stock levels, update automatically.

- ➢ **User Management** – Secure login with role-based access (admin, cashier).

- ➢ **Customer Management** – Maintain purchase history.

- ➢ **Invoice & Receipts** – Generate digital and printable invoices.

- ➢ **Secure Data Handling** – Ensure safe storage and role-based access.

- ➢ **Multi-Device Support** – Accessible on desktop, tablet, and mobile.

<u>Scope:</u>

- ➢ The system is designed for small to medium-sized businesses to manage sales, inventory, and reporting.

- ➢ Supports real-time data processing and multi-device access.

- ➢ Includes role-based access for security.

- ➢ Automates stock, order tracking, and invoicing.

System Study

Existing System: Most traditional POS systems rely on physical cash registers or outdated software that lacks automation and cloud-based functionalities. These systems often lead to inventory mismanagement, delays in transaction processing, and lack of real-time reporting. This web-based POS system overcomes these limitations by providing an interactive, scalable, and efficient solution.

Drawbacks

1.Manual Errors – High chances of billing and inventory mistakes.

2. Limited Reporting – No real-time sales and inventory tracking.

3. Inventory Mismanagement – Stock levels are not updated automatically.

Proposed System: The proposed web-based POS system will make sales and inventory management easier and more efficient. It will allow businesses to track sales, manage stock, and generate invoices in real-time from any device with an internet connection. The system will also help with employee and customer management, support multiple payment options, and provide secure access control. Businesses can manage multiple locations from one platform without needing expensive hardware.

Hardware and Software Requirements

Hardware Requirements:

➢ **Processor**: Intel Core i3 (or equivalent)

➢ **RAM**: 4GB or higher

➢ **Storage**: 20GB free space (for browser cache, logs, etc.)

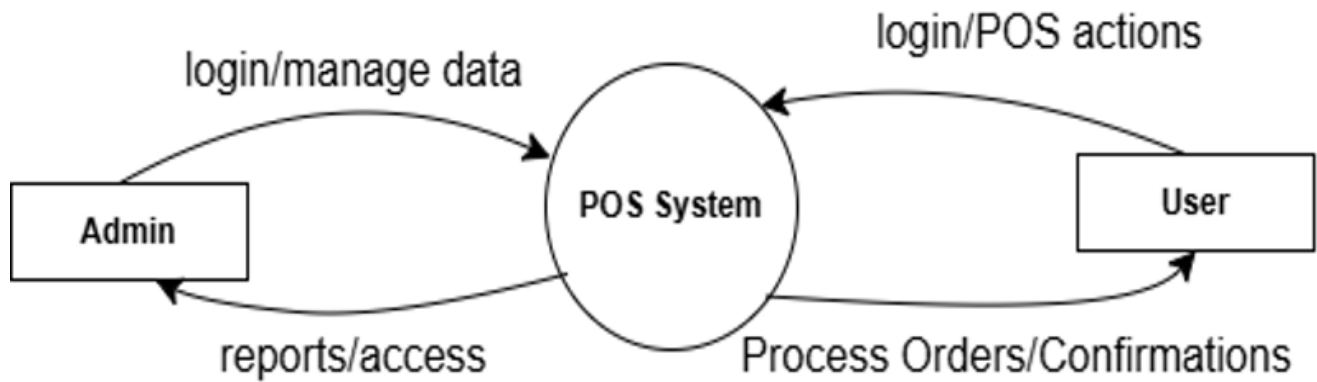**Software Requirements:**

➢ **Programming Language**: PHP, JavaScript, Bootstrap (CSS Framework)

➢ **Database**: MySQL

➢ **Text Editor**: Visual Studio Code

➢ **Operating System**: Windows 10/11, macOS, or any Linux

➢ **Browser**: Chrome, Firefox, Edge (for accessing the web interface)
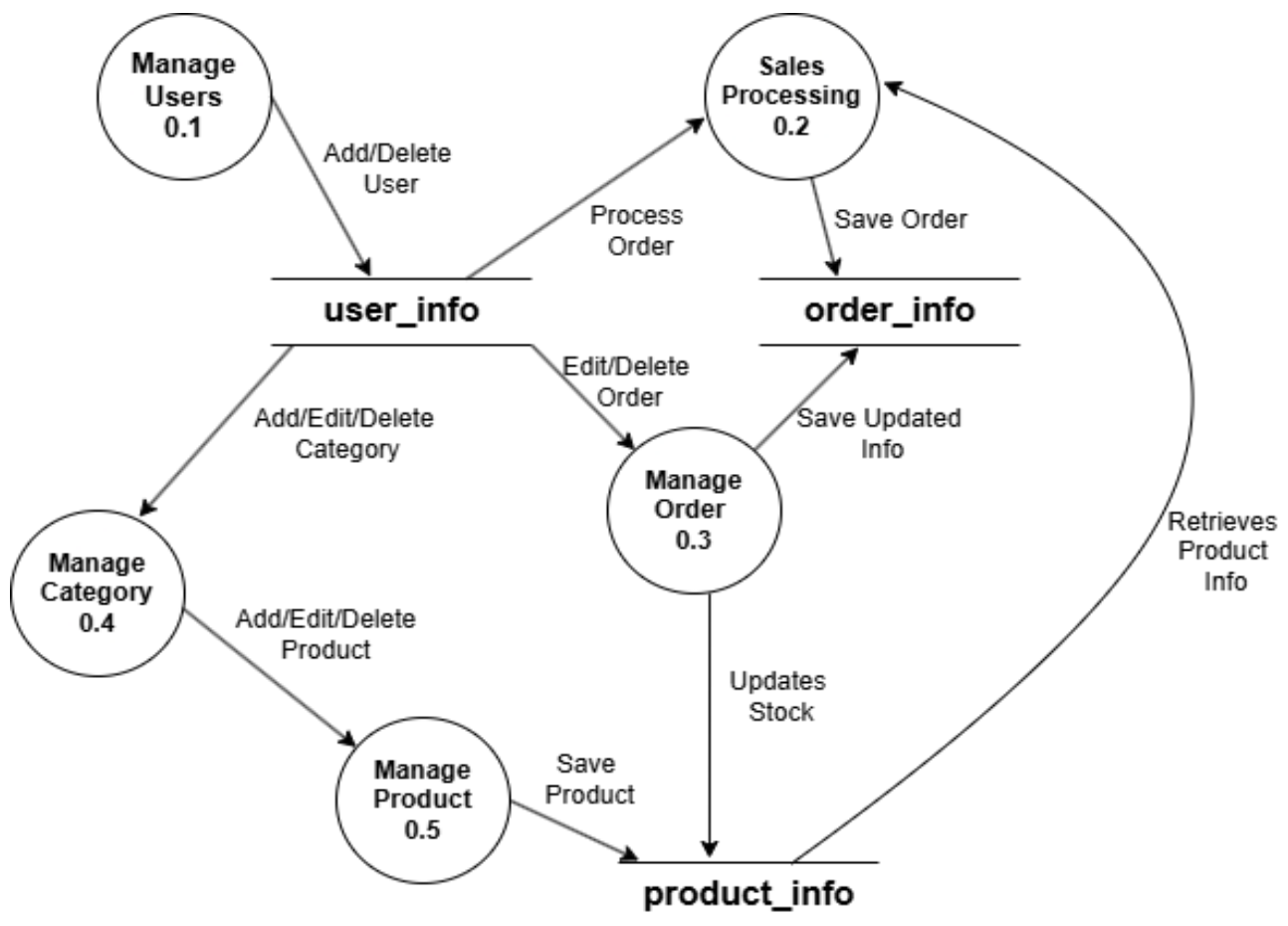
ER Diagram
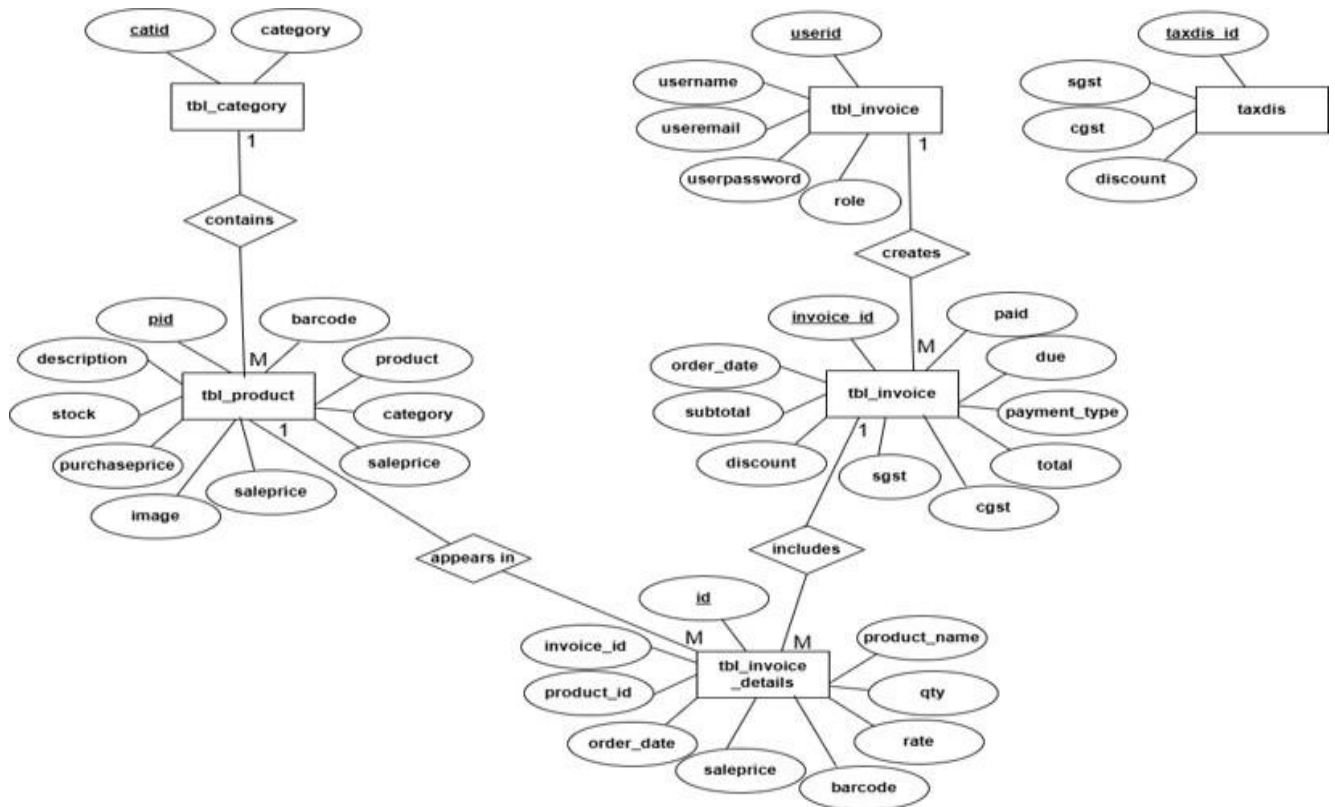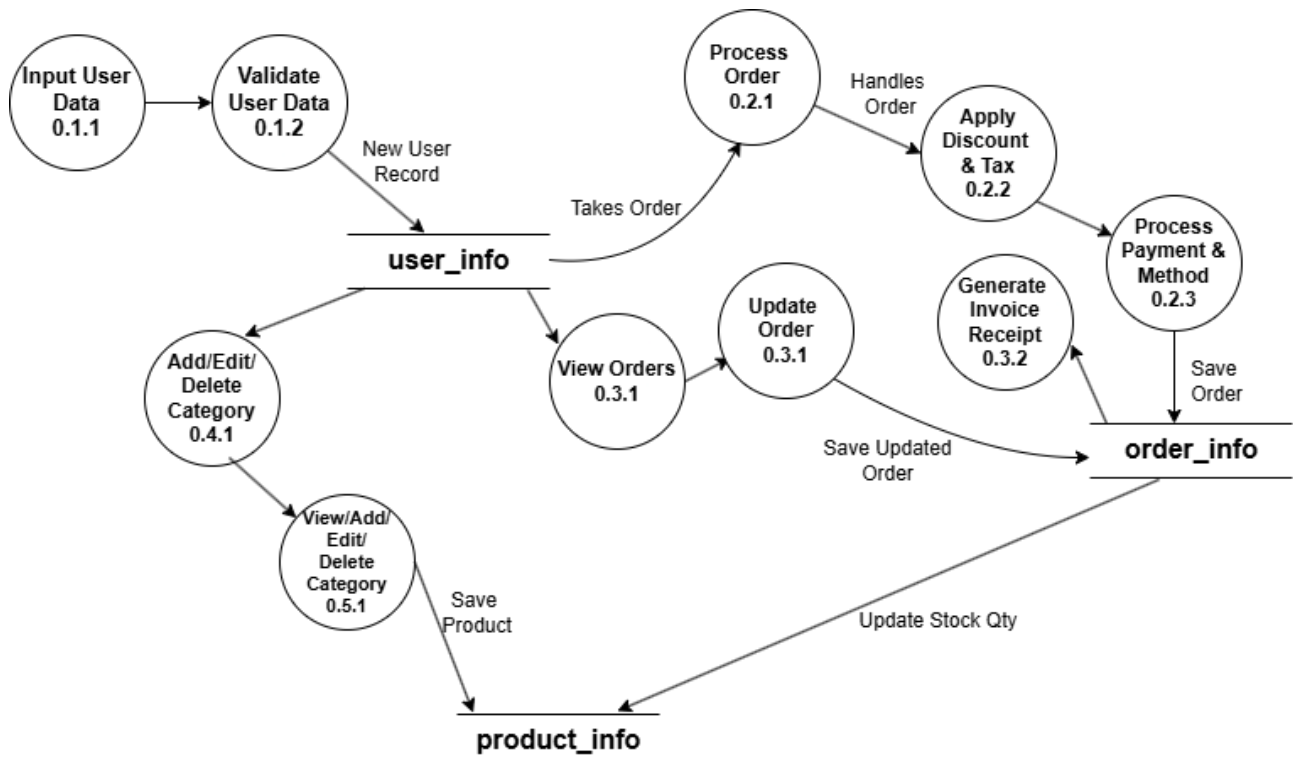
Data Flow Diagram

DFD Level 0

DFD LEVEL 1

Data Flow Diagram

DFD LEVEL 2

Data Dictionary

Table.1: tbl_user

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	userid 🔑	int(11)			No	None		AUTO_INCREMENT
2	username	varchar(200)	utf8mb4_general_ci		No	None		
3	useremail	varchar(200)	utf8mb4_general_ci		No	None		
4	userpassword	varchar(200)	utf8mb4_general_ci		No	None		
5	role	varchar(50)	utf8mb4_general_ci		No	None		

Table.2: tbl_category

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	catid 🔑	int(11)			No	None		AUTO_INCREMENT
2	category	varchar(200)	utf8mb4_general_ci		No	None		

Table.3: tbl_product

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	pid 🔑	int(11)			No	None		AUTO_INCREMENT
2	barcode	varchar(1000)	utf8mb4_general_ci		No	None		
3	product	varchar(200)	utf8mb4_general_ci		No	None		
4	category	varchar(200)	utf8mb4_general_ci		No	None		
5	description	varchar(200)	utf8mb4_general_ci		No	None		
6	stock	int(11)			No	None		
7	purchaseprice	float			No	None		
8	saleprice	float			No	None		
9	image	varchar(200)	utf8mb4_general_ci		No	None		

Data Dictionary

Table.4: tbl_invoice

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	invoice_id 🔑	int(11)			No	None		AUTO_INCREMENT
2	order_date	date			No	None		
3	subtotal	double			No	None		
4	discount	double			No	None		
5	sgst	float			No	None		
6	cgst	float			No	None		
7	total	double			No	None		
8	payment_type	tinytext	utf8mb4_general_ci		No	None		
9	due	double			No	None		
10	paid	double			No	None		

Table.5: tbl_invoice_details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	invoice_id	int(11)			No	None		
3	barcode	varchar(200)	utf8mb4_general_ci		No	None		
4	product_id	int(11)			No	None		
5	product_name	varchar(200)	utf8mb4_general_ci		No	None		
6	qty	int(11)			No	None		
7	rate	double			No	None		
8	saleprice	double			No	None		
9	order_date	date			No	None		

Table.6: tbl_taxdis

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	taxdis_id 🔑	int(11)			No	None		AUTO_INCREMENT
2	sgst	float			No	None		
3	cgst	float			No	None		
4	discount	float			No	None		

Source Code

addproduct.php – for adding products

```php
<?php
  include_once 'connectdb.php';
  session_start();

  if($_SESSION['useremail']==""  OR $_SESSION['role']=="User") {
     header('location:../index.php');
  }

  if($_SESSION['role']=="Admin") {
     include_once'header.php';
  } else {
     include_once'headeruser.php';
  }

  if(isset($_POST['btnsave'])) {
     $barcode      = $_POST['txtbarcode'];
     $product      = $_POST['txtproductname'];
     $category     = $_POST['txtselect_option'];
     $description  = $_POST['txtdescription'];
     $stock        = $_POST['txtstock'];
     $purchaseprice = $_POST['txtpurchaseprice'];
     $saleprice     = $_POST['txtsaleprice'];

     $proceed = true; // Flag to control if we should proceed with insertion

     // Check for duplicate barcode if barcode is provided
     if(!empty($barcode)) {
        $select = $pdo->prepare("SELECT * FROM tbl_product WHERE barcode = :barcode");
        $select->bindParam(':barcode', $barcode);
        $select->execute();

        if($select->rowCount() > 0) {
           $_SESSION['status'] = "Barcode already exists. Please use a different barcode.";
           $_SESSION['status_code'] = "error";
           $proceed = false; // Don't proceed with product insertion
        }
     }

     // Only proceed if no duplicate barcode was found
     if($proceed) {
        //Image Code or File Code Start Here..
        $f_name      = $_FILES['myfile']['name'];
        $f_tmp       = $_FILES['myfile']['tmp_name'];
        $f_size      = $_FILES['myfile']['size'];
        $f_extension  = explode('.',$f_name); //explode() function split a string by .
        $f_extension  = strtolower(end($f_extension)); //get last part and converts to lowercase
        $f_newfile    = uniqid().'.'. $f_extension;

        $store = "productimages/".$f_newfile;

        if($f_extension=='jpg' || $f_extension=='jpeg' || $f_extension=='png' || $f_extension=='gif') {
           if($f_size>=1000000) {
              $_SESSION['status']="Max file should be 1MB";
              $_SESSION['status_code']="warning";
           } else {
              if(move_uploaded_file($f_tmp,$store)) {
```

```php
$productimage=$f_newfile; //stores new file name in variable

//check barcode is empty or not
if(empty($barcode)) {

    $insert=$pdo->prepare("insert into tbl_product
(product,category,description,stock,purchaseprice,saleprice,image)
        values(:product,:category,:description,:stock,:pprice,:saleprice,:img)");

    $insert->bindParam(':product',$product);
    $insert->bindParam(':category',$category);
    $insert->bindParam(':description',$description);
    $insert->bindParam(':stock',$stock);
    $insert->bindParam(':pprice',$purchaseprice);
    $insert->bindParam(':saleprice',$saleprice);
    $insert->bindParam(':img',$productimage);

    $insert->execute();

    $pid=$pdo->lastInsertId();
    date_default_timezone_set("Asia/Calcutta");
    $newbarcode=$pid.date('his'); //his=hour,minute,second

    $update=$pdo->prepare("update tbl_product SET barcode='$newbarcode' where pid='".$pid."'");

    if($update->execute()) {
        $_SESSION['status']="Product Inserted Successfully";
        $_SESSION['status_code']="success";
    } else {
        $_SESSION['status']="Product Inserted Failed";
        $_SESSION['status_code']="error";
    }
} else {
    $insert=$pdo->prepare("insert into tbl_product
(barcode,product,category,description,stock,purchaseprice,saleprice,image)
        values(:barcode,:product,:category,:description,:stock,:pprice,:saleprice,:img)");

    $insert->bindParam(':barcode',$barcode);
    $insert->bindParam(':product',$product);
    $insert->bindParam(':category',$category);
    $insert->bindParam(':description',$description);
    $insert->bindParam(':stock',$stock);
    $insert->bindParam(':pprice',$purchaseprice);
    $insert->bindParam(':saleprice',$saleprice);
    $insert->bindParam(':img',$productimage);

    if($insert->execute()) {
        $_SESSION['status']="Product Inserted Successfully";
        $_SESSION['status_code']="success";
    } else {
        $_SESSION['status']="Product Inserted Failed";
        $_SESSION['status_code']="error";
    }
  }
 }
}
    } else {
    $_SESSION['status']="only jpg, jpeg, png and gif can be upload";
    $_SESSION['status_code']="warning";
  }
 }
}
```

```
?>
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <!-- <div class="col-sm-6">
          <h1 class="m-0">Add Product</h1>
        </div> -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
          </ol>
        </div>
      </div>
    </div>
  </div>

  <!-- Main content -->
  <div class="content">
    <div class="container-fluid">
      <div class="row">
        <div class="col-lg-12">
          <div class="card card-outline">
            <div class="card-header">
              <h3 class="m-0">Add Product</h3>
            </div>

            <form action="" method="post" enctype="multipart/form-data">
              <div class="card-body">
                <div class="row">
                  <div class="col-md-6">
                    <div class="form-group">
                      <label>Barcode</label>
                      <input type="text" class="form-control" placeholder="Enter Barcode" name="txtbarcode"
autocomplete="off">
                    </div>

                    <div class="form-group">
                      <label>Product Name</label>
                      <input type="text" class="form-control" placeholder="Enter Name"
name="txtproductname" autocomplete="off" required>
                    </div>

                    <div class="form-group">
                      <label>Category</label>
                      <select class="form-control" name="txtselect_option" required>
                        <option value="" disabled selected>Select Category</option>
                        <?php
                          $select=$pdo->prepare("select * from tbl_category order by catid desc");
                          $select->execute();

                          while($row=$select->fetch(PDO::FETCH_ASSOC)) {
                            extract($row);
                            echo "<option>{$row['category']}</option>";
                          }
                        ?>
                      </select>
                    </div>

                    <div class="form-group">
```

```
                    <label>Description</label>
                        <textarea class="form-control" placeholder="Enter Description" name="txtdescription"
rows="4" required></textarea>
                    </div>
                </div>

                <div class="col-md-6">
                    <div class="form-group">
                        <label>Stock Quantity</label>
                        <input type="number" min="1" step="any" class="form-control" placeholder="Enter Stock"
name="txtstock" autocomplete="off" required>
                    </div>

                    <div class="form-group">
                        <label>Purchase Price</label>
                        <input type="number" min="1" step="any" class="form-control" placeholder="Enter
Purchase Price" name="txtpurchaseprice" autocomplete="off" required>
                    </div>

                    <div class="form-group">
                        <label>Sale Price</label>
                        <input type="number" min="1" step="any" class="form-control" placeholder="Enter Sale
Price" name="txtsaleprice" autocomplete="off" required>
                    </div>

                    <div class="form-group">
                        <label>Product image</label>
                        <input type="file" class="input-group" name="myfile" required>
                        <p>Upload image</p>
                    </div>
                </div>
            </div>

            <div class="card-footer">
                <div class="text-center">
                    <button type="submit" class="btn btn-primary" name="btnsave">Save Product</button>
                </div>
            </div>
        </form>
    </div>
   </div>
  </div>
 </div>
</div>

<?php
  include_once "footer.php";
?>

<?php
  if(isset($_SESSION['status']) && $_SESSION['status']!='') {
?>
<script>
  Swal.fire({
    icon: '<?php echo $_SESSION['status_code'];?>',
    title: '<?php echo $_SESSION['status'];?>'
  });
</script>
<?php
    unset($_SESSION['status']);
```

```php
  }
?>
```

category.php – for adding, editing or deleting a category

```php
<?php
  include_once 'connectdb.php';
  session_start();

  if($_SESSION['useremail']==""  OR $_SESSION['role']=="User") {
    header('location:../index.php');
  }

  if($_SESSION['role']=="Admin") {
    include_once'header.php';
  } else {
    include_once'headeruser.php';
  }

  if(isset($_POST['btnsave'])) {
    $category = $_POST['txtcategory'];

    if(empty($category)) {
      $_SESSION['status']="Category Feild is Empty";
      $_SESSION['status_code']="warning";
    } else {
      $insert=$pdo->prepare("insert into tbl_category (category) values(:cat)");
      $insert->bindParam(':cat',$category);

      if($insert->execute()) {
        $_SESSION['status']="Category Added successfully";
        $_SESSION['status_code']="success";
      } else {
        $_SESSION['status']="Category Added Failed";
        $_SESSION['status_code']="warning";
      }
    }
  }

  if(isset($_POST['btnupdate'])) {
    $category = $_POST['txtcategory'];
    $id = $_POST['txtcatid'];

    if(empty($category)) {
      $_SESSION['status']="Category Feild is Empty";
      $_SESSION['status_code']="warning";
    } else {
      $update=$pdo->prepare("update tbl_category set category=:cat where catid=".$id);
      $update->bindParam(':cat',$category);

      if($update->execute()) {
        $_SESSION['status']="Category Update successfully";
        $_SESSION['status_code']="success";
      } else {
        $_SESSION['status']="Category Update Failed";
        $_SESSION['status_code']="warning";
      }
    }
  }

  if(isset($_POST['btndelete'])) {
    $delete=$pdo->prepare("delete from tbl_category where catid=".$_POST['btndelete']);
```

```
        if($delete->execute()) {
            $_SESSION['status']="Deleted";
            $_SESSION['status_code']="success";
        } else {
            $_SESSION['status']="Delete Failed";
            $_SESSION['status_code']="warning";
        }
    }
?>

<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <!-- <div class="col-sm-6">
                    <h1 class="m-0">Category</h1>
                </div> -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                    </ol>
                </div>
            </div>
        </div>
    </div>

    <!-- Main content -->
    <div class="content">
        <div class="container-fluid">
            <div class="card card-outline">
                <div class="card-header">
                    <h3 class="m-0">Category Form</h3>
                </div>

                <form action="" method="post">
                    <div class="card-body">
                        <div class="row">

                            <!-- CATEGORY FORM -->
                            <?php
                                if(isset($_POST['btnedit'])) {
                                    $select=$pdo->prepare("select * from tbl_category where catid =".$_POST['btnedit']);
                                    $select->execute();

                                    if($select) {
                                        $row=$select->fetch(PDO::FETCH_OBJ);
                                        echo '<div class="col-md-4">
                                            <div class="form-group">
                                                <label for="exampleInputEmail1">Category</label>
                                                <input type="hidden" class="form-control" placeholder="Enter Category"
value="'.$row->catid.'" name="txtcatid">
                                                <input type="text" class="form-control" placeholder="Enter Category"
value="'.$row->category.'" name="txtcategory">
                                            </div>
                                            <div class="card-footer">
                                                <button type="submit" class="btn btn-primary" name="btnupdate">Update</button>
                                            </div>
                                        </div>';
                                    }
                                } else {
                                    echo '<div class="col-md-4">
```

```
                <div class="form-group">
                    <label for="exampleInputEmail1">Category</label>
                    <input type="text" class="form-control" placeholder="Enter Category"
name="txtcategory">
                </div>
                <div class="card-footer">
                    <button type="submit" class="btn btn-primary" name="btnsave">Save</button>
                </div>
            </div>';
        }
    ?>


    <!-- CATEGORY LIST -->
    <div class="col-md-8">
        <table id="table_category" class="table table-striped table-hover">
            <thead>
                <tr>
                    <td>#</td>
                    <td>Category</td>
                    <td>Edit</td>
                    <td>Delete</td>
                </tr>
            </thead>
            <tbody>


            <!-- For EDIT or DELETE button -->
                <?php
                    $select = $pdo->prepare("select * from tbl_category order by catid ASC");
                    $select->execute();

                    while($row=$select->fetch(PDO::FETCH_OBJ)) {//loops through each row
                        echo '<tr>
                            <td>'.$row->catid.'</td>
                            <td>'.$row->category.'</td>
                            <td>
                                <button type="submit" class="btn btn-info" value="'.$row->catid.'"
name="btnedit">Edit</button>
                            </td>
                            <td>
                                <button type="submit" class="btn btn-danger" value="'.$row->catid.'"
name="btndelete">Delete</button>
                            </td>
                        </tr>';
                    }
                ?>
            </tbody>
            <tfoot>
                <tr>
                    <td>#</td>
                    <td>Category</td>
                    <td>Edit</td>
                    <td>Delete</td>
                </tr>
            </tfoot>
        </table>
    </div>
  </div>
 </div>
 </form>
 </div>
 </div>
</div>
```

```
</div>

<?php
  include_once "footer.php";
?>

<?php
  if(isset($_SESSION['status']) && $_SESSION['status']!='') {
?>
<script>
  Swal.fire({
    icon: '<?php echo $_SESSION['status_code'];?>',
    title: '<?php echo $_SESSION['status'];?>'
  });
</script>
<?php
    unset($_SESSION['status']);
  }
?>

<script>
  $(document).ready(function() {
    $('#table_category').DataTable();
  });
</script>
```

getproduct.php – is used to fetch all products from database
```php
<?php

include_once'connectdb.php';

$productid=$_GET["id"];
$barcode=$_GET["id"];

$select=$pdo->prepare("select * from tbl_product where pid=$productid OR barcode=$barcode");
$select->execute();

$row=$select->fetch(PDO::FETCH_ASSOC);

$response=$row;

header('Content-Type: application/json');

echo json_encode($response);

?>
```

changepassword.php – for changing password of user or administrator
```php
<?php
  include_once 'connectdb.php';
  session_start();

  if($_SESSION['useremail']=="") {
    header('location:../index.php');
  }

  if($_SESSION['role']=="Admin") {
    include_once "header.php";
  } else {
    include_once "headeruser.php";
```

```php
    }

    // 1 Step) When user click on updatepassword button then we get out values from user into php variables.
    if(isset($_POST['btnupdate'])) {
        $oldpassword_txt = $_POST['txt_oldpassword'];
        $newpassword_txt = $_POST['txt_newpassword'];
        $rnewpassword_txt = $_POST['txt_rnewpassword'];

        // 2 Step) Using of select Query we will get out database records according to useremail.
        $email = $_SESSION['useremail'];
        $select = $pdo->prepare("select * from tbl_user where useremail='$email'");
        $select->execute();
        $row = $select->fetch(PDO::FETCH_ASSOC);

        $useremail_db = $row['useremail'];
        $password_db = $row['userpassword'];

        // 3 Step) We will compare the user inputs values to database values.
        if($oldpassword_txt == $password_db) {
            if($newpassword_txt == $rnewpassword_txt) {
                // 4 Step) If values will match then we will run update Query.
                $update = $pdo->prepare("update tbl_user set userpassword=:pass where useremail=:email");
                $update->bindParam(':pass', $rnewpassword_txt);
                $update->bindParam(':email', $email);

                if($update->execute()) {
                    $_SESSION['status'] = "Password Updated successfully";
                    $_SESSION['status_code'] = "success";
                } else {
                    $_SESSION['status'] = "Password Not Updated successfully";
                    $_SESSION['status_code'] = "error";
                }
            } else {
                $_SESSION['status'] = "New Password Deos Not Matched";
                $_SESSION['status_code'] = "error";
            }
        } else {
            $_SESSION['status'] = "Password Deos Not Matched";
            $_SESSION['status_code'] = "error";
        }
    }
?>


<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <!-- <div class="col-sm-6">
                    <h1 class="m-0">Change Password</h1>
                </div> -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                    </ol>
                </div>
            </div>
        </div>
    </div>

    <!-- Main content -->
    <div class="content">
```

```html
<div class="container-fluid">
    <div class="row">
        <div class="col-lg-12">
            <!-- Horizontal Form -->
            <div class="card">
                <div class="card-header">
                    <h3 class="m-0">Change Password</h3>
                </div>
                <!-- form start -->
                <form class="form-horizontal" action="" method="post">
                    <div class="card-body">
                        <div class="form-group row">
                            <label for="inputPassword3" class="col-sm-2 col-form-label">Old Password</label>
                            <div class="col-sm-10">
                                <input type="password" class="form-control" id="inputPassword3" placeholder=" Old Password" name="txt_oldpassword">
                            </div>
                        </div>

                        <div class="form-group row">
                            <label for="inputPassword3" class="col-sm-2 col-form-label">New Password</label>
                            <div class="col-sm-10">
                                <input type="password" class="form-control" id="inputPassword3" placeholder="New Password" name="txt_newpassword">
                            </div>
                        </div>

                        <div class="form-group row">
                            <label for="inputPassword3" class="col-sm-2 col-form-label">Repeat New Password</label>
                            <div class="col-sm-10">
                                <input type="password" class="form-control" id="inputPassword3" placeholder="Repeate New Password" name="txt_rnewpassword">
                            </div>
                        </div>
                    </div>
                    <div class="card-footer text-center">
                        <button type="submit" class="btn btn-primary" name="btnupdate">Update Password</button>
                    </div>
                </form>
            </div>
        </div>
    </div>
</div>

<?php
    include_once "footer.php";
?>

<?php
    if(isset($_SESSION['status']) && $_SESSION['status']!='') {
?>
<script>
    Swal.fire({
        icon: '<?php echo $_SESSION['status_code'];?>',
        title: '<?php echo $_SESSION['status'];?>'
    });
</script>
<?php
    unset($_SESSION['status']);
    }
```

?>

dashboard.php – displays the overall sales

```php
<?php

include_once 'connectdb.php';
session_start();

if ($_SESSION['useremail'] == "") {
    header('location:../index.php');
}

include_once "header.php";

$select = $pdo->prepare("select sum(total) as gt , count(invoice_id) as invoice from tbl_invoice");
$select->execute();

$row = $select->fetch(PDO::FETCH_OBJ);

$total_order = $row->invoice;
$grand_total = $row->gt;

$select = $pdo->prepare("select count(product) as pname from tbl_product");
$select->execute();

$row = $select->fetch(PDO::FETCH_OBJ);

$total_product = $row->pname;

$select = $pdo->prepare("select count(category) as cate from tbl_category");
$select->execute();

$row = $select->fetch(PDO::FETCH_OBJ);

$total_category = $row->cate;

?>

<!-- ChartJS -->
<script src="../plugins/chart.js/Chart.min.js"></script>
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header. Page header -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <div class="col-sm-6">
                    <h1 class="m-0">Dashboard</h1>
                </div><!-- /.col -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                        <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
                        <li class="breadcrumb-item active">Starter Page</li> -->
                    </ol>
                </div><!-- /.col -->
            </div><!-- /.row -->
        </div><!-- /.container-fluid -->
    </div>
    <!-- /.content-header -->

    <!-- Main content -->
    <div class="content">
```

```html
<div class="container-fluid">
    <div class="row">
      <div class="col-lg-12">

          <div class="row">
            <div class="col-lg-3 col-6">
              <!-- small box -->
              <div class="small-box bg-primary">
                <div class="inner">
                  <h3><?php echo $total_order; ?></h3>
                  <p>TOTAL INVOICE</p>
                </div>
                <div class="icon">
                  <i class="ion ion-bag"></i>
                </div>
                <a href="#" class="small-box-footer">More info <i class="fas fa-arrow-circle-right"></i></a>
              </div>
            </div>
            <!-- ./col -->
            <div class="col-lg-3 col-6">
              <!-- small box -->
              <div class="small-box bg-primary">
                <div class="inner">
                  <h3><?php echo number_format($grand_total, 2); ?></h3>
                  <p>TOTAL REVENUE(INR)</p>
                </div>
                <div class="icon">
                  <i class="ion ion-stats-bars"></i>
                </div>
                <a href="#" class="small-box-footer">More info <i class="fas fa-arrow-circle-right"></i></a>
              </div>
            </div>
            <!-- ./col -->
            <div class="col-lg-3 col-6">
              <!-- small box -->
              <div class="small-box bg-primary">
                <div class="inner">
                  <h3><?php echo $total_product; ?></h3>
                  <p>TOTAL PRODUCT</p>
                </div>
                <div class="icon">
                  <i class="ion ion-person-add"></i>
                </div>
                <a href="#" class="small-box-footer">More info <i class="fas fa-arrow-circle-right"></i></a>
              </div>
            </div>
            <!-- ./col -->
            <div class="col-lg-3 col-6">
              <!-- small box -->
              <div class="small-box bg-primary">
                <div class="inner">
                  <h3><?php echo $total_category; ?></h3>
                  <p>TOTAL CATEGORY</p>
                </div>
                <div class="icon">
                  <i class="ion ion-pie-graph"></i>
                </div>
                <a href="#" class="small-box-footer">More info <i class="fas fa-arrow-circle-right"></i></a>
              </div>
            </div>
            <!-- ./col -->
          </div>
```

```html
<!-- /.row -->

    <div class="card card-outline">
        <div class="card-header">
            <h5 class="m-0">Earning By Date</h5>
        </div>
        <div class="card-body">
            <?php

            $select = $pdo->prepare("select order_date , total  from tbl_invoice  group by order_date LIMIT 50");
            $select->execute();

            $ttl = [];
            $date = [];

            while ($row = $select->fetch(PDO::FETCH_ASSOC)) {
                extract($row);

                $ttl[] = $total;
                $date[] = $order_date;
            }

            // echo json_encode($total);

            ?>
            <div>
                <canvas id="myChart" style="height: 250px"></canvas>
            </div>
        </div>

        <script>
            const ctx = document.getElementById('myChart');

            new Chart(ctx, {
                type: 'bar',
                data: {
                    labels: <?php echo json_encode($date); ?>,
                    datasets: [{
                        label: 'Total Earning',
                        backgroundColor: 'rgb(21, 146, 218)',
                        borderColor: 'rgb(21,146,218)',
                        data: <?php echo json_encode($ttl); ?>,
                        borderWidth: 1
                    }]
                },
                options: {
                    scales: {
                        y: {
                            beginAtZero: true
                        }
                    }
                }
            });
        </script>
    </div>
  </div>
</div>
<!-- /.col-md-6 -->

<div class="row">
  <div class="col-md-6">
    <div class="card card-outline">
```

```php
<div class="card-header">
    <h5 class="m-0">BEST SELLING PRODUCT</h5>
</div>
<div class="card-body">
    <table class="table table-striped table-hover " id="table_bestsellingproduct">
        <thead>
            <tr>
                <td>Product ID</td>
                <td>Product Name</td>
                <td>QTY</td>
                <td>rate</td>
                <td>Total</td>
            </tr>
        </thead>
        <tbody>
            <?php

                $select = $pdo->prepare("select product_id,product_name,rate,sum(qty) as q , sum(saleprice) as
total from tbl_invoice_details group by product_id order by sum(qty) DESC LIMIT 10");
                $select->execute();

                while ($row = $select->fetch(PDO::FETCH_OBJ)) {

                    echo '
                        <tr>
                            <td>' . $row->product_id . '</td>
                            <td style="font-size: 20px;"><span class="badge">' . $row->product_name .
'</td></span>

                            <td style="font-size: 20px;"><span class="badge">' . $row->q . '</td></span>
                            <td style="font-size: 20px;"><span class="badge">' . $row->rate . '</td>
                            <td style="font-size: 20px;"><span class="badge">' . $row->total . '</td>';
                }
            ?>
        </tbody>
    </table>
</div>
</div>
</div>

<div class="col-md-6">
    <div class="card card-outline">
        <div class="card-header">
            <h5 class="m-0">Earning By Date</h5>
        </div>
        <div class="card-body">
            <table class="table table-striped table-hover " id="table_recentorder">
                <thead>
                    <tr>
                        <td>Invoice ID</td>
                        <td>Order Date</td>
                        <td>Total</td>
                        <td>Payment Type</td>
                    </tr>
                </thead>
                <tbody>
                    <?php

                        $select = $pdo->prepare("select * from tbl_invoice  order by invoice_id DESC LIMIT 30");
                        $select->execute();

                        while ($row = $select->fetch(PDO::FETCH_OBJ)) {
```

```
echo '
    <tr>
        <td style="font-size: 20px;"><span class="badge">'. $row->invoice_id . '</td></span>
        <td style="font-size: 20px;"><span class="badge">' . $row->order_date . '</td></span>
        <td style="font-size: 20px;"><span class="badge">' . $row->total . '</td>';

    if ($row->payment_type == "Cash") {
        echo '<td style="font-size: 20px;"><span class="badge">' . $row->payment_type .
'</td></span></td>';
    } else if ($row->payment_type == "Card") {
        echo '<td style="font-size: 20px;"><span class="badge">' . $row->payment_type .
'</td></span></td>';
    } else {
        echo '<td style="font-size: 20px;"><span class="badge">' . $row->payment_type .
'</td></span></td>';
    }
}
?>
            </tbody>
        </table>
    </div>
    </div>
    </div>
    </div>
    <!-- /.row -->

    </div><!-- /.container-fluid -->
    </div>
    <!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php

include_once "footer.php";

?>

<script>
    $(document).ready(function () {
        $('#table_recentorder').DataTable({
            "order": [[0, "desc"]]
        });
        $('#table_bestsellingproduct').DataTable(); // Added initialization for Best Selling Product table
    });
</script>
```

editorderpos.php – for editing an order placed by the customer in case of any amount, quantity errors,etc.

```
<?php
ob_start();
include_once 'connectdb.php';
session_start();



if($_SESSION['useremail']==""  OR $_SESSION['role']==""){

    header('location:../index.php');

}
```

```php
if($_SESSION['role']=="Admin"){
    include_once'header.php';
  }else{

    include_once'headeruser.php';
  }



  function fill_product($pdo){

$output='';
$select=$pdo->prepare("select * from tbl_product order by product asc");

$select->execute();

$result=$select->fetchAll();

foreach($result as $row){
$output.='<option value="'.$row["pid"].'">'.$row["product"].'</option>';

}

return $output;

}

$id=$_GET["id"];

$select=$pdo->prepare("select * from tbl_invoice where invoice_id =$id");
$select->execute();
$row=$select->fetch(PDO::FETCH_ASSOC);

$order_date=date('Y-m-d',strtotime($row['order_date']));
$subtotal    =$row['subtotal'];
$sgst        =$row['sgst'];
$cgst        =$row['cgst'];
$discount    =$row['discount'];
$total       =$row['total'];
$paid        =$row['paid'];
$due         =$row['due'];
$payment_type =$row['payment_type'];



$select=$pdo->prepare("select * from tbl_invoice_details where invoice_id=$id");
$select->execute();
$row_invoice_details=$select->fetchAll(PDO::FETCH_ASSOC);




if(isset($_POST['btnupdateorder'])){

//Steps for btnupdateorder button.

// 1) Get values from text feilds and from array in variables.

$txt_orderdate    = date('Y-m-d');
```

```
$txt_subtotal      = $_POST['txtsubtotal'];
$txt_discount      = $_POST['txtdiscount'];
$txt_sgst          = $_POST['txtsgst'];
$txt_cgst          =$_POST['txtcgst'];
$txt_total         = $_POST['txttotal'];
$txt_payment_type  =$_POST['rb'];
$txt_due           = $_POST['txtdue'];
$txt_paid          =$_POST['txtpaid'];

/////


$arr_pid     = $_POST['pid_arr'];
$arr_barcode = $_POST['barcode_arr'];
$arr_name    = $_POST['product_arr'];
$arr_stock   = $_POST['stock_c_arr'];
$arr_qty     = $_POST['quantity_arr'];
$arr_price   = $_POST['price_c_arr'];
$arr_total   = $_POST['saleprice_arr'];
```

// 2) Write update query for tbl_product add stock.

```
foreach($row_invoice_details as $product_invoice_details){

$updateproduct_stock=$pdo->prepare("update tbl_product set stock=stock+".$product_invoice_details['qty']." where pid='".$product_invoice_details['product_id']."'");
$updateproduct_stock->execute();

}
```

// 3) Write delete query for tbl_invoice_details table data where invoice_id =$id .

```
$delete_invoice_details=$pdo->prepare("delete from tbl_invoice_details where invoice_id =$id");
$delete_invoice_details->execute();
```

// 4) Write update query for tbl_invoice table data.

```
$update_tbl_invoice=$pdo->prepare("update tbl_invoice SET
order_date=:orderdate,subtotal=:subtotal,discount=:discount,sgst=:sgst,cgst=:cgst,total=:total,payment_type=:payment_
type,due=:due,paid=:paid where invoice_id=$id");

$update_tbl_invoice->bindParam(':orderdate',$txt_orderdate);
$update_tbl_invoice->bindParam(':subtotal',$txt_subtotal);
$update_tbl_invoice->bindParam(':discount',$txt_discount);
$update_tbl_invoice->bindParam(':sgst',$txt_sgst);
$update_tbl_invoice->bindParam(':cgst',$txt_cgst);
$update_tbl_invoice->bindParam(':total',$txt_total);
$update_tbl_invoice->bindParam(':payment_type',$txt_payment_type);
$update_tbl_invoice->bindParam(':due',$txt_due);
$update_tbl_invoice->bindParam(':paid',$txt_paid);

$update_tbl_invoice->execute();
```

```
$invoice_id=$pdo->lastInsertId();

if($invoice_id!=null){
```

// 5) Write select query for tbl_product table to get out stock value.
```
  for($i=0;$i<count($arr_pid);$i++){

$selectpdt=$pdo->prepare("select * from tbl_product where pid='".$arr_pid[$i]."'");
$selectpdt->execute();

while($rowpdt=$selectpdt->fetch(PDO::FETCH_OBJ)){


$db_stock[$i]=$rowpdt->stock;

   $rem_qty=$db_stock[$i]-$arr_qty[$i];

   if($rem_qty<0){
   return"Order is not completed";

   }else{
```

// 6) Write update query for tbl_product table to update stock values.
```
   $update=$pdo->prepare("update tbl_product SET stock='$rem_qty' where pid='".$arr_pid[$i]."'");
   $update->execute();

   }//else end here

}
```

// 7) Write insert query for tbl_invoice_details for insert new records.

```php
$insert=$pdo->prepare("insert into tbl_invoice_details
(invoice_id,barcode,product_id,product_name,qty,rate,saleprice,order_date) values
(:invid,:barcode,:pid,:name,:qty,:rate,:saleprice,:order_date)");
  $insert->bindParam(':invid',$id);
  $insert->bindParam(':barcode',$arr_barcode[$i]);
  $insert->bindParam(':pid',$arr_pid[$i]);
  $insert->bindParam(':name',$arr_name[$i]);
  $insert->bindParam(':qty',$arr_qty[$i]);
  $insert->bindParam(':rate',$arr_price[$i]);
  $insert->bindParam(':saleprice',$arr_total[$i]);
  $insert->bindParam(':order_date',$txt_orderdate);


  if(!$insert->execute()){

    print_r($insert->errorInfo());
  }



    }//end for loop

  header('location:orderlist.php');
  }//1st if end



  //var_dump($arr_total);

  }



  ob_end_flush();



  $select=$pdo->prepare("select * from tbl_taxdis where taxdis_id =1");
  $select->execute();
  $row=$select->fetch(PDO::FETCH_OBJ);


  ?>
<style type="text/css">
 .tableFixHead{
 overflow: scroll;
 height: 520px;
 }
 .tableFixHead thead th {
 position: sticky;
 top:0 ;
 z-index: 1;
 }
 table {border-collapse:collapse; width: 100px;}
 th,td {padding:8px 16px;}
 th{background: #eee;}
</style>
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
 <!-- Content Header (Page header) -->
 <div class="content-header">
```

```html
<div class="container-fluid">
    <div class="row mb-2">
      <div class="col-sm-6">
       <!-- <h1 class="m-0">Point Of Sale</h1> -->
      </div>
      <!-- /.col -->
      <div class="col-sm-6">
       <ol class="breadcrumb float-sm-right">
        <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
          <li class="breadcrumb-item active">Starter Page</li> -->
       </ol>
      </div>
      <!-- /.col -->
     </div>
     <!-- /.row -->
   </div>
   <!-- /.container-fluid -->
 </div>
 <!-- /.content-header -->
 <!-- Main content -->
 <div class="content">
  <div class="container-fluid">
    <div class="row">
      <div class="col-lg-12">
       <div class="card card-outline">
        <div class="card-header">
          <h5 class="m-0">Edit Order POS</h5>
        </div>
        <div class="card-body">
         <div class="row">
           <div class="col-md-8">
            <div class="input-group mb-3">
             <div class="input-group-prepend">
               <!-- <span class="input-group-text"><i class="fa fa-barcode"></i></span> -->
             </div>
             <input type="text" class="form-control" placeholder="Enter Barcode" autocomplete="off"
name="txtbarcode" id="txtbarcode_id">
            </div>
            <form action="" method="post" name="">
             <select class="form-control select2" data-dropdown-css-class="select2-purple" style="width: 100%;">
              <option>Select OR Search</option>
              <?php echo fill_product($pdo);?>
             </select>
            </br>
            <div class="tableFixHead">
             <table id="producttable" class="table table-bordered table-hover">
               <thead>
                <tr>
                 <th>Product</th>
                 <th>Stock </th>
                 <th>price </th>
                 <th>QTY   </th>
                 <th>Total </th>
                 <th>Del   </th>
                </tr>
               </thead>
               <tbody class="details" id="itemtable">
                <tr data-widget="expandable-table" aria-expanded="false">
                </tr>
               </tbody>
             </table>
            </div>
```

```html
</div>
<div class="col-md-4">
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">SUBTOTAL(Rs) </span>
</div>
<input type="text" class="form-control" name="txtsubtotal" value="<?php echo
$subtotal;?>" id="txtsubtotal_id" readonly >
<div class="input-group-append">
<span class="input-group-text">Rs</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">DISCOUNT(%)</span>
</div>
<input type="text" class="form-control" name="txtdiscount" id="txtdiscount_p" value="<?php echo
$row->discount;?>" >
<div class="input-group-append">
<span class="input-group-text">%</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">DISCOUNT(Rs)</span>
</div>
<input type="text" class="form-control" id="txtdiscount_n" readonly >
<div class="input-group-append">
<span class="input-group-text">Rs</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">SGST(%)</span>
</div>
<input type="text" class="form-control" name="txtsgst" id="txtsgst_id_p" value="<?php echo
$row->sgst;?>" readonly >
<div class="input-group-append">
<span class="input-group-text">%</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">CGST(%)</span>
</div>
<input type="text" class="form-control" name="txtcgst" id="txtcgst_id_p" value="<?php echo
$row->cgst;?>" readonly  >
<div class="input-group-append">
<span class="input-group-text">%</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">SGST(Rs)</span>
</div>
<input type="text" class="form-control" id="txtsgst_id_n" readonly >
<div class="input-group-append">
<span class="input-group-text">Rs</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
```

```
    <span class="input-group-text">CGST(Rs)</span>
    </div>
    <input type="text" class="form-control" id="txtcgst_id_n" readonly >
    <div class="input-group-append">
    <span class="input-group-text">Rs</span>
    </div>
    </div>
    <hr style="height:2px; border-width:0; color:black; background-color:black;">
    <div class="input-group">
    <div class="input-group-prepend">
    <span class="input-group-text">TOTAL(Rs)</span>
    </div>
    <input type="text" class="form-control form-control-lg total" name="txttotal" value="<?php echo $total;?>"
id="txttotal" readonly >
    <div class="input-group-append">
    <span class="input-group-text">Rs</span>
    </div>
    </div>
    <hr style="height:2px; border-width:0; color:black; background-color:black;">
    <div class="icheck-success d-inline">
    <input type="radio" name="rb" value="Cash" id="radioSuccess1" value="Cash"<?php echo
($payment_type=='Cash')?'checked':"?>>
    <label for="radioSuccess1">
    CASH
    </label>
    </div>
    <div class="icheck-primary d-inline">
    <input type="radio" name="rb" id="radioSuccess2"    value="Card"<?php echo
($payment_type=='Card')?'checked':"?>>
    <label for="radioSuccess2">
    CARD
    </label>
    </div>
    <div class="icheck-danger d-inline">
    <input type="radio" name="rb" id="radioSuccess3" value="Check"<?php echo
($payment_type=='Check')?'checked':"?>>
    <label for="radioSuccess3">
    CHECK
    </label>
    </div>
    <hr style="height:2px; border-width:0; color:black; background-color:black;">
    <div class="input-group">
    <div class="input-group-prepend">
    <span class="input-group-text">DUE(Rs)</span>
    </div>
    <input type="text" class="form-control" name="txtdue" value="<?php echo $due;?>" id="txtdue" readonly >
    <div class="input-group-append">
    <span class="input-group-text">Rs</span>
    </div>
    </div>
    <div class="input-group">
    <div class="input-group-prepend">
    <span class="input-group-text">PAID(Rs)</span>
    </div>
    <input type="text" class="form-control"  name="txtpaid" value="<?php echo $paid;?>" id="txtpaid"
required>
    <div class="input-group-append">
    <span class="input-group-text">Rs</span>
    </div>
    </div>
    <hr style="height:2px; border-width:0; color:black; background-color:black;">
    <div class="card-footer">
```

```html
            <div class="text-center">
              <button type="submit" class="btn btn-primary" name="btnupdateorder">Update order</button></div>
              </div>
              </div>
            </div>
          </div>
        </div>
        </form>
      </div>
    <!-- /.col-md-6 -->
   </div>
   <!-- /.row -->
  </div>
  <!-- /.container-fluid -->
</div>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->
<?php
  include_once "footer.php";


?>
<script>
 //Initialize Select2 Elements
 $('.select2').select2()

 //Initialize Select2 Elements
 $('.select2bs4').select2({
   theme: 'bootstrap4'
 })




 var productarr=[];

 $.ajax({
 url:"getorderproduct.php",
 method:"get",
 dataType: "json",
 data:{id:<?php echo $_GET['id']?>},
 success:function(data){
 //alert("pid");

 //console.log(data);

 $.each(data, function(key,data){
 if(jQuery.inArray(data["product_id"],productarr)!== -1){

 var actualqty = parseInt($('#qty_id'+data["product_id"]).val())+1;
 $('#qty_id'+data["product_id"]).val(actualqty);

 var saleprice=parseInt(actualqty)*data["saleprice"];

 $('#saleprice_id'+data["product_id"]).html(saleprice);
 $('#saleprice_idd'+data["product_id"]).val(saleprice);

 // $("#txtbarcode_id").val("");
 calculate(0,0);
```

```
}else{

 addrow(data["product_id"],data["product_name"],data["qty"],data["rate"],data["saleprice"],data["stock"],data["barcod
e"]);

 productarr.push(data["product_id"]);

 //$("#txtbarcode_id").val("");

 function addrow(product_id,product_name,qty,rate,saleprice,stock,barcode){

 var tr='<tr>'+

 '<input type="hidden" class="form-control barcode" name="barcode_arr[]" id="barcode_id'+barcode+'"
value="'+barcode+'" >'+

 '<td style="text-align:left; vertical-align:middle; font-size:20px;"><class="form-control product_c"
name="product_arr[]" <span class="badge">'+product_name+'</span><input type="hidden" class="form-control pid"
name="pid_arr[]" value="'+product_id+'" ><input type="hidden" class="form-control product" name="product_arr[]"
value="'+product_name+'" >  </td>'+

 '<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge stocklbl" name="stock_arr[]"
id="stock_id'+product_id+'">'+stock+'</span><input type="hidden" class="form-control stock_c"
name="stock_c_arr[]" id="stock_idd'+product_id+'" value="'+stock+'"></td>'+

 '<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge price" name="price_arr[]"
id="price_id'+product_id+'">'+saleprice+'</span><input type="hidden" class="form-control price_c"
name="price_c_arr[]" id="price_idd'+product_id+'" value="'+saleprice+'"></td>'+

 '<td><input type="text" class="form-control qty" name="quantity_arr[]" id="qty_id'+product_id+'" value="'+qty+'"
size="1"></td>'+

 '<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge totalamt" name="netamt_arr[]"
id="saleprice_id'+product_id+'">'+rate*qty+'</span><input type="hidden" class="form-control saleprice"
name="saleprice_arr[]" id="saleprice_idd'+product_id+'" value="'+rate*qty+'"></td>'+

 //remove button code start here

 // '<td style="text-align:left; vertical-align:middle;"><center><name="remove" class"btnremove" data-
id="'+pid+'"><span class="fas fa-trash" style="color:red"></span></center></td>'+
 // '</tr>';

 '<td><center><button type="button" name="remove" class="btn btn-danger btn-sm btnremove" data-
id="'+product_id+'"><span class="fas fa-trash"></span></center></td>'+


 '</tr>';

 $('.details').append(tr);
 calculate(0,0);
 }//end function addrow

 }});//end function each
 $("#txtbarcode_id").val("");
 }  // end of success function
 })  // end of ajax request


 $(function() {

 $('#txtbarcode_id').on('change', function() {
```

```
var barcode = $("#txtbarcode_id").val();

$.ajax({
url:"getproduct.php",
method:"get",
dataType: "json",
data:{id:barcode},
success:function(data){
//alert("pid");

//console.log(data);


if(jQuery.inArray(data["pid"],productarr)!== -1){

var actualqty = parseInt($('#qty_id'+data["pid"]).val())+1;
$('#qty_id'+data["pid"]).val(actualqty);

var saleprice=parseInt(actualqty)*data["saleprice"];

$('#saleprice_id'+data["pid"]).html(saleprice);
$('#saleprice_idd'+data["pid"]).val(saleprice);

// $("#txtbarcode_id").val("");
calculate(0,0);
$("#txtpaid").val("");
$("#txtdue").val("");

}else{

addrow(data["pid"],data["product"],data["saleprice"],data["stock"],data["barcode"]);

productarr.push(data["pid"]);

//$("#txtbarcode_id").val("");

function addrow(pid,product,saleprice,stock,barcode){

var tr='<tr>'+

'<input type="hidden" class="form-control barcode" name="barcode_arr[]" id="barcode_id'+barcode+'"
value="'+barcode+'" >'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><class="form-control product_c"
name="product_arr[]" <span class="badge">'+product+'</span><input type="hidden" class="form-control pid"
name="pid_arr[]" value="'+pid+'" ><input type="hidden" class="form-control product" name="product_arr[]"
value="'+product+'" >  </td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge stocklbl" name="stock_arr[]"
id="stock_id'+pid+'">'+stock+'</span><input type="hidden" class="form-control stock_c" name="stock_c_arr[]"
id="stock_idd'+pid+'" value="'+stock+'"></td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge price" name="price_arr[]"
id="price_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control price_c" name="price_c_arr[]"
id="price_idd'+pid+'" value="'+saleprice+'"></td>'+

'<td><input type="text" class="form-control qty" name="quantity_arr[]" id="qty_id'+pid+'" value="'+1+'"
size="1"></td>'+
```

```
'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge totalamt" name="netamt_arr[]"
id="saleprice_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control saleprice"
name="saleprice_arr[]" id="saleprice_idd'+pid+'" value="'+saleprice+'"></td>'+
```

//remove button code start here

```
// '<td style="text-align:left; vertical-align:middle;"><center><name="remove" class"btnremove" data-
id="'+pid+'"><span class="fas fa-trash" style="color:red"></span></center></td>'+
// '</tr>';
```

```
'<td><center><button type="button" name="remove" class="btn btn-danger btn-sm btnremove" data-
id="'+pid+'"><span class="fas fa-trash"></span></center></td>'+
```

```
'</tr>';
```

```
$('.details').append(tr);
calculate(0,0);
$("#txtpaid").val("");
$("#txtdue").val("");
}//end function addrow
```

```
}
$("#txtbarcode_id").val("");
}   // end of success function
})  // end of ajax request
})  // end of onchange function
}); // end of main function
```

```
var productarr=[];
```

```
$(function() {
```

```
$('.select2').on('change', function() {
```

```
var productid = $(".select2").val();
```

```
$.ajax({
url:"getproduct.php",
method:"get",
dataType: "json",
data:{id:productid},
success:function(data){
//alert("pid");
```

```
//console.log(data);
```

```
if(jQuery.inArray(data["pid"],productarr)!== -1){
```

```
var actualqty = parseInt($('#qty_id'+data["pid"]).val())+1;
$('#qty_id'+data["pid"]).val(actualqty);
```

```
var saleprice=parseInt(actualqty)*data["saleprice"];

$('#saleprice_id'+data["pid"]).html(saleprice);
$('#saleprice_idd'+data["pid"]).val(saleprice);

//$("#txtbarcode_id").val("");

calculate(0,0);
$("#txtpaid").val("");
$("#txtdue").val("");
}else{

addrow(data["pid"],data["product"],data["saleprice"],data["stock"],data["barcode"]);

productarr.push(data["pid"]);

//$("#txtbarcode_id").val("");

function addrow(pid,product,saleprice,stock,barcode){

var tr='<tr>'+
'<input type="hidden" class="form-control barcode" name="barcode_arr[]" id="barcode_id'+barcode+'"
value="'+barcode+'" >'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><class="form-control product_c"
name="product_arr[]" <span class="badge">'+product+'</span><input type="hidden" class="form-control pid"
name="pid_arr[]" value="'+pid+'" ><input type="hidden" class="form-control product" name="product_arr[]"
value="'+product+'" >  </td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge stocklbl" name="stock_arr[]"
id="stock_id'+pid+'">'+stock+'</span><input type="hidden" class="form-control stock_c" name="stock_c_arr[]"
id="stock_idd'+pid+'" value="'+stock+'"></td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge price" name="price_arr[]"
id="price_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control price_c" name="price_c_arr[]"
id="price_idd'+pid+'" value="'+saleprice+'"></td>'+

'<td><input type="text" class="form-control qty" name="quantity_arr[]" id="qty_id'+pid+'" value="'+1+'"
size="1"></td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge totalamt" name="netamt_arr[]"
id="saleprice_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control saleprice"
name="saleprice_arr[]" id="saleprice_idd'+pid+'" value="'+saleprice+'"></td>'+

//remove button code start here

// '<td style="text-align:center; vertical-align:middle;"><center><name="remove" class"btnremove" data-
id="'+pid+'"><span class="fas fa-trash" style="color:red"></span></center></td>'+

'<td><center><button type="button" name="remove" class="btn btn-danger btn-sm btnremove" data-
id="'+pid+'"><span class="fas fa-trash"></span></center></td>'+


'</tr>';


$('.details').append(tr);
calculate(0,0);
$("#txtpaid").val("");
$("#txtdue").val("");
}//end function addrow
```

```
}
$("#txtbarcode_id").val("");
}   // end of success function
})  // end of ajax request
})  // end of onchange function
}); // end of main function




 }
$("#txtbarcode_id").val("");
}   // end of success function
})  // end of ajax request
})  // end of onchange function
}); // end of main function
```

```
$("#itemtable").delegate(".qty" ,"keyup change", function(){

var quantity=$(this);
var tr = $(this).parent().parent();

if((quantity.val()-0)>(tr.find(".stock_c").val()-0)){

Swal.fire("WARNING!", "SORRY! This Much Of Quantity Is Not Available", "warning");
quantity.val(1);

tr.find(".totalamt").text(quantity.val() * tr.find(".price").text());

tr.find(".saleprice").val(quantity.val() * tr.find(".price").text());
calculate(0,0);
$("#txtpaid").val("");
$("#txtdue").val("");
}else{
tr.find(".totalamt").text(quantity.val() * tr.find(".price").text());

tr.find(".saleprice").val(quantity.val() * tr.find(".price").text());
calculate(0,0);
$("#txtpaid").val("");
$("#txtdue").val("");
}
});




function calculate(dis,paid){

var subtotal=0;
var discount=dis;
var sgst=0;
var cgst=0;
var total=0;
var paid_amt=paid;
var due=0;
```

```
$(".saleprice").each(function(){

subtotal=subtotal+($(this).val()*1);
});

$("#txtsubtotal_id").val(subtotal.toFixed(2));

sgst=parseFloat($("#txtsgst_id_p").val());

cgst=parseFloat($("#txtcgst_id_p").val());

discount=parseFloat($("#txtdiscount_p").val());

sgst=sgst/100;
sgst=sgst*subtotal;

cgst=cgst/100;
cgst=cgst*subtotal;

discount=discount/100;
discount=discount*subtotal;

$("#txtsgst_id_n").val(sgst.toFixed(2));

$("#txtcgst_id_n").val(cgst.toFixed(2));

$("#txtdiscount_n").val(discount.toFixed(2));


total=sgst+cgst+subtotal-discount;
due=total-paid_amt;


$("#txttotal").val(total.toFixed(2));

paid_db=parseFloat($("#txtpaid").val());
due_db=paid_db-total;

$("#txtdue").val(due_db.toFixed(2));

} //end calculate function


$("#txtdiscount_p").keyup(function(){

var discount=$(this).val();

calculate(discount,0);

});

$("#txtpaid").keyup(function(){

var paid=$(this).val();
var discount=$("#txtdiscount_p").val();
calculate(discount,paid);

});

$(document).on('click','.btnremove',function(){

var removed=$(this).attr("data-id");
```

```
productarr=jQuery.grep(productarr,function(value){

  return value!=removed;
  calculate(0,0);
  $("#txtpaid").val("");
  $("#txtdue").val("");
  })

  $(this).closest('tr').remove();
  calculate(0,0);
  $("#txtpaid").val("");
  $("#txtdue").val("");
  });
```

</script>

getorderproduct.php – is used to get the invoice details of the product ordered
```php
<?php
include_once'connectdb.php';

$id=$_GET['id'];

$select=$pdo->prepare("select * from tbl_invoice_details a INNER JOIN tbl_product b ON a.product_id=b.pid where a.invoice_id=$id");
$select->execute();

$row_invoice_details=$select->fetchAll(PDO::FETCH_ASSOC);

$response=$row_invoice_details;

header('Content-Type: application/json');

echo json_encode($response);

?>
```

editproduct.php – for editing a product details.
```php
<?php
  include_once 'connectdb.php';
  session_start();
  if($_SESSION['useremail']==""  OR $_SESSION['role']=="User"){
     header('location:../index.php');
  }

  if($_SESSION['role']=="Admin"){
     include_once'header.php';
  }else{
     include_once'headeruser.php';
  }

  $id = $_GET['id']; //get id from url

  //displays the product to be updated
  $select = $pdo->prepare("select * from tbl_product where pid=$id");
  $select->execute();

  $row=$select->fetch(PDO::FETCH_ASSOC);

  $id_db=$row['pid'];
  $barcode_db=$row['barcode'];
```

```php
$product_db=$row['product'];
$category_db=$row['category'];
$description_db=$row['description'];
$stock_db=$row['stock'];
$purchaseprice_db=$row['purchaseprice'];
$saleprice_db=$row['saleprice'];
$image_db=$row['image'];

if(isset($_POST['btneditproduct'])){
    $product_txt      =$_POST['txtproductname'];
    $category_txt     =$_POST['txtselect_option'];
    $description_txt  =$_POST['txtdescription'];
    $stock_txt        =$_POST['txtstock'];
    $purchaseprice_txt =$_POST['txtpurchaseprice'];
    $saleprice_txt    =$_POST['txtsaleprice'];

    //Image Code or File Code Start Here..
    $f_name        =$_FILES['myfile']['name'];

    //if user updates with new image
    if(!empty($f_name)){
        $f_tmp        =$_FILES['myfile']['tmp_name'];
        $f_size       =$_FILES['myfile']['size'];
        $f_extension  =explode('.',$f_name);
        $f_extension  =strtolower(end($f_extension));
        $f_newfile    =uniqid().'.'. $f_extension;

        $store = "productimages/".$f_newfile;

        if($f_extension=='jpg' || $f_extension=='jpeg' ||  $f_extension=='png' || $f_extension=='gif'){
            if($f_size>=1000000 ){
                $_SESSION['status']="Max file should be 1MB";
                $_SESSION['status_code']="warning";
            }else{
                if(move_uploaded_file($f_tmp,$store)){
                    $f_newfile;

                    $update = $pdo->prepare("update tbl_product set product=:product , category=:category ,
description=:description , stock=:stock , purchaseprice=:pprice , saleprice=:sprice , image=:image where pid=$id");

                    $update->bindParam(':product',$product_txt);
                    $update->bindParam(':category',$category_txt);
                    $update->bindParam(':description',$description_txt);
                    $update->bindParam(':stock',$stock_txt);
                    $update->bindParam(':pprice',$purchaseprice_txt);
                    $update->bindParam(':sprice',$saleprice_txt);
                    $update->bindParam(':image',$f_newfile);

                    if($update->execute()){
                        $_SESSION['status']="Product Updated Successfully With New Image";
                        $_SESSION['status_code']="success";
                    }else{
                        $_SESSION['status']="Product Update Failed";
                        $_SESSION['status_code']="error";
                    }
                }
            }
        }
    }else{ //if user updates without new image
        $update = $pdo->prepare("update tbl_product set product=:product , category=:category ,
description=:description , stock=:stock , purchaseprice=:pprice , saleprice=:sprice , image=:image where pid=$id");
```

```php
        $update->bindParam(':product',$product_txt);
        $update->bindParam(':category',$category_txt);
        $update->bindParam(':description',$description_txt);
        $update->bindParam(':stock',$stock_txt);
        $update->bindParam(':pprice',$purchaseprice_txt);
        $update->bindParam(':sprice',$saleprice_txt);
        $update->bindParam(':image',$image_db);

        if($update->execute()){
            $_SESSION['status']="Product Updated Successfully";
            $_SESSION['status_code']="success";
        }else{
            $_SESSION['status']="Product Update Failed";
            $_SESSION['status_code']="error";
        }
    }
}

//displays the updated product upon refresh
$select = $pdo->prepare("select * from tbl_product where pid=$id");
$select->execute();

$row=$select->fetch(PDO::FETCH_ASSOC);

$id_db=$row['pid'];
$barcode_db=$row['barcode'];
$product_db=$row['product'];
$category_db=$row['category'];
$description_db=$row['description'];
$stock_db=$row['stock'];
$purchaseprice_db=$row['purchaseprice'];
$saleprice_db=$row['saleprice'];
$image_db=$row['image'];
?>

<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <div class="col-sm-6">
                    <!-- <h1 class="m-0">Admin Dashboard</h1> -->
                </div><!-- /.col -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                        <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
                        <li class="breadcrumb-item active">Starter Page</li> -->
                    </ol>
                </div><!-- /.col -->
            </div><!-- /.row -->
        </div><!-- /.container-fluid -->
    </div>
    <!-- /.content-header -->

    <!-- Main content -->
    <div class="content">
        <div class="container-fluid">
            <div class="row">
                <div class="col-lg-12">
                    <div class="card card-outline">
                        <div class="card-header">
```

```
                <h5 class="m-0">Edit Product</h5>
          </div>
          <form action="" method="post" name="formeditproduct" enctype="multipart/form-data">
            <div class="card-body">
              <div class="row">
                <div class="col-md-6">
                  <div class="form-group">
                    <label>Barcode</label>
                    <input type="text" class="form-control" value="<?php echo $barcode_db;?>"
placeholder="Enter Barcode" name="txtbarcode" autocomplete="off" disabled>
                  </div>

                  <div class="form-group">
                    <label>Product Name</label>
                    <input type="text" class="form-control" value="<?php echo $product_db;?>"
placeholder="Enter Name" name="txtproductname" autocomplete="off" required>
                  </div>

                  <div class="form-group">
                    <label>Category</label>
                    <select class="form-control" name="txtselect_option" required>
                      <option value="" disabled selected>Select Category</option>
                      <?php
                        $select=$pdo->prepare("select * from tbl_category order by catid desc");
                        $select->execute();

                        while($row=$select->fetch(PDO::FETCH_ASSOC)){
                          extract($row);
                      ?>
                      <option <?php if($row['category']==$category_db){ ?> selected="selected"
<?php } ?>><?php echo $row['category'];?></option>
                      <?php
                        }
                      ?>
                    </select>
                  </div>

                  <div class="form-group">
                    <label>Description</label>
                    <textarea class="form-control" placeholder="Enter Description" name="txtdescription"
rows="4" required><?php echo $description_db;?> </textarea>
                  </div>
                </div>

                <div class="col-md-6">
                  <div class="form-group">
                    <label>Stock Quantity</label>
                    <input type="number" min="1" step="any" class="form-control" value="<?php echo
$stock_db;?>" placeholder="Enter Stock" name="txtstock" autocomplete="off" required>
                  </div>

                  <div class="form-group">
                    <label>Purchase Price</label>
                    <input type="number" min="1" step="any" class="form-control" value="<?php echo
$purchaseprice_db;?>" placeholder="Enter Stock" name="txtpurchaseprice" autocomplete="off" required>
                  </div>

                  <div class="form-group">
                    <label>Sale Price</label>
                    <input type="number" min="1" step="any" class="form-control" value="<?php echo
$saleprice_db;?>" placeholder="Enter Stock" name="txtsaleprice" autocomplete="off" required>
                  </div>
```

```
                    <div class="form-group">
                            <label>Product image</label><br />
                            <image src="productimages/<?php echo $image_db;?>" class="img-rounded"
width="50px" height="50px/">
                                <input type="file" class="input-group" name="myfile">
                                <p>Upload image</p>
                        </div>
                    </div>
                </div>
            </div>

                <div class="card-footer">
                    <div class="text-center">
                        <button type="submit" class="btn btn-primary" name="btneditproduct">Update
Product</button>
                    </div>
                </div>
            </form>
        </div>
    </div>
    <!-- /.col-md-6 -->
    </div>
    <!-- /.row -->
    </div><!-- /.container-fluid -->
    </div>
    <!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php
    include_once "footer.php";
?>

<?php
    if(isset($_SESSION['status']) && $_SESSION['status']!=''){
?>
<script>
    Swal.fire({
        icon: '<?php echo $_SESSION['status_code'];?>',
        title: '<?php echo $_SESSION['status'];?>'
    });
</script>
<?php
        unset($_SESSION['status']);
    }
?>
```

footer.php – contains the footer information without needing to implement in every .php file
```
<!-- Control Sidebar -->
  <aside class="control-sidebar control-sidebar-dark">
    <!-- Control sidebar content goes here -->
    <div class="p-3">
      <h5>Title</h5>
      <p>Sidebar content</p>
    </div>
  </aside>
  <!-- /.control-sidebar -->

  <!-- Main Footer -->
  <footer class="main-footer">
    <!-- To the right -->
    <div class="float-right d-none d-sm-inline">
```

```
    POINT OF SALE
    </div>
    <!-- Default to the left -->
    <strong>BY: WANKITBOKLANG JYRWA</strong>
  </footer>
</div>
<!-- ./wrapper -->


<!-- REQUIRED SCRIPTS -->


<!-- jQuery -->
<script src="../plugins/jquery/jquery.min.js"></script>
<!-- Bootstrap 4 -->
<script src="../plugins/bootstrap/js/bootstrap.bundle.min.js"></script>


<!-- Select2 -->
<script src="../plugins/select2/js/select2.full.min.js"></script>


<!-- Main.js -->
<script src="../dist/js/main.js"></script>


<!-- DataTables  & Plugins -->
<script src="../plugins/datatables/jquery.dataTables.min.js"></script>
<script src="../plugins/datatables-bs4/js/dataTables.bootstrap4.min.js"></script>
<script src="../plugins/datatables-responsive/js/dataTables.responsive.min.js"></script>
<script src="../plugins/datatables-responsive/js/responsive.bootstrap4.min.js"></script>
<script src="../plugins/datatables-buttons/js/dataTables.buttons.min.js"></script>
<script src="../plugins/datatables-buttons/js/buttons.bootstrap4.min.js"></script>
<script src="../plugins/jszip/jszip.min.js"></script>
<script src="../plugins/pdfmake/pdfmake.min.js"></script>
<script src="../plugins/pdfmake/vfs_fonts.js"></script>
<script src="../plugins/datatables-buttons/js/buttons.html5.min.js"></script>
<script src="../plugins/datatables-buttons/js/buttons.print.min.js"></script>
<script src="../plugins/datatables-buttons/js/buttons.colVis.min.js"></script>
 <!-- SweetAlert2 -->
 <script src="../plugins/sweetalert2/sweetalert2.min.js"></script>
</body>
</html>
```

header.php − this is the admin header information without the need to implementing in every .php file

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>POS</title>

  <!-- Google Font: Source Sans Pro -->
  <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
  <!-- Font Awesome Icons -->
  <link rel="stylesheet" href="../plugins/fontawesome-free/css/all.min.css">
  <!-- iCheck for checkboxes and radio inputs -->
  <link rel="stylesheet" href="../plugins/icheck-bootstrap/icheck-bootstrap.min.css">
  <!-- Select2 -->
  <link rel="stylesheet" href="../plugins/select2/css/select2.min.css">
  <link rel="stylesheet" href="../plugins/select2-bootstrap4-theme/select2-bootstrap4.min.css">
  <!-- Theme style -->
  <link rel="stylesheet" href="../dist/css/styles.css">
  <!-- DataTables -->
```

```
<link rel="stylesheet" href="../plugins/datatables-bs4/css/dataTables.bootstrap4.min.css">
 <link rel="stylesheet" href="../plugins/datatables-responsive/css/responsive.bootstrap4.min.css">
 <link rel="stylesheet" href="../plugins/datatables-buttons/css/buttons.bootstrap4.min.css">
 <!-- SweetAlert2 -->
 <link rel="stylesheet" href="../plugins/sweetalert2/sweetalert2.min.css">
</head>
<body class="hold-transition sidebar-mini">
<div class="wrapper">

 <!-- Navbar -->
 <nav class="main-header navbar navbar-expand navbar-white navbar-light">
   <!-- Left navbar links -->
   <ul class="navbar-nav">
     <li class="nav-item">
       <a class="nav-link" data-widget="pushmenu" href="#" role="button"><i class="fas fa-bars"></i></a>
     </li>
   </ul>
 </nav>
 <!-- /.navbar -->

 <!-- Main Sidebar Container -->
 <aside class="main-sidebar sidebar-dark-primary elevation-4">
   <!-- Brand Logo -->
   <a href="dashboard.php" class="brand-link">
     <img src="../dist/img/logo.jpeg" alt="POS Logo" class="brand-image img-circle elevation-3" style="opacity: .8">
     <span class="brand-text font-weight-light">POINT OF SALE</span>
   </a>

   <!-- Sidebar -->
   <div class="sidebar">
     <!-- Sidebar user panel (optional) -->
     <div class="user-panel mt-3 pb-3 mb-3 d-flex">
       <div class="image">
         <img src="../dist/img/user.jpg" class="img-circle elevation-2" alt="User Image">
       </div>
       <div class="info">
         <a href="#" class="d-block"><?php echo $_SESSION['username']; ?></a>
       </div>
     </div>

     <!-- SidebarSearch Form -->
     <div class="form-inline">
       <div class="input-group" data-widget="sidebar-search">
         <input class="form-control form-control-sidebar" type="search" placeholder="Search" aria-label="Search">
         <div class="input-group-append">
           <button class="btn btn-sidebar">
             <i class="fas fa-search fa-fw"></i>
           </button>
         </div>
       </div>
     </div>

     <!-- Sidebar Menu -->
     <nav class="mt-2">
       <ul class="nav nav-pills nav-sidebar flex-column" data-widget="treeview" role="menu" data-accordion="false">
         <li class="nav-item">
           <a href="dashboard.php" class="nav-link">
             <!-- <i class="nav-icon fas fa-tachometer-alt"></i> -->
             <p>Dashboard</p>
           </a>
         </li>
```

```
   <li class="nav-item">
     <a href="category.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-tags"></i> -->
       <p>Category</p>
     </a>
   </li>

   <li class="nav-item">
     <a href="addproduct.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-plus-circle"></i> -->
       <p>Product</p>
     </a>
   </li>

   <li class="nav-item">
     <a href="productlist.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-boxes"></i> -->
       <p>Product List</p>
     </a>
   </li>

   <li class="nav-item">
     <a href="pos.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-cash-register"></i> -->
       <p>POS</p>
     </a>
   </li>

   <li class="nav-item">
     <a href="orderlist.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-shopping-cart"></i> -->
       <p>OrderList</p>
     </a>
   </li>

   <li class="nav-item">
     <a href="registration.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-user-plus"></i> -->
       <p>Registration</p>
     </a>
   </li>

   <li class="nav-item">
     <a href="changepassword.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-key"></i> -->
       <p>Change Password</p>
     </a>
   </li>

   <li class="nav-item">
     <a href="logout.php" class="nav-link">
       <!-- <i class="nav-icon fas fa-sign-out-alt"></i> -->
       <p>Logout</p>
     </a>
   </li>
  </ul>
 </nav>
 <!-- /.sidebar-menu -->
</div>
<!-- /.sidebar -->
</aside>
```

hearderuser.php - contains the header information for the user

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>POS</title>
  <!-- Google Font: Source Sans Pro -->
  <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
  <!-- Font Awesome Icons -->
  <link rel="stylesheet" href="../plugins/fontawesome-free/css/all.min.css">
  <!-- Select2 -->
  <link rel="stylesheet" href="../plugins/select2/css/select2.min.css">
  <link rel="stylesheet" href="../plugins/select2-bootstrap4-theme/select2-bootstrap4.min.css">
  <!-- Theme style -->
  <link rel="stylesheet" href="../dist/css/styles.css">
  <!-- Icheck -->
  <link rel="stylesheet" href="../plugins/icheck-bootstrap/icheck-bootstrap.min.css">
  <!-- DataTables -->
  <link rel="stylesheet" href="../plugins/datatables-bs4/css/dataTables.bootstrap4.min.css">
  <link rel="stylesheet" href="../plugins/datatables-responsive/css/responsive.bootstrap4.min.css">
  <link rel="stylesheet" href="../plugins/datatables-buttons/css/buttons.bootstrap4.min.css">
  <!-- SweetAlert2 -->
  <link rel="stylesheet" href="../plugins/sweetalert2/sweetalert2.min.css">
</head>
<body class="hold-transition sidebar-mini">
<div class="wrapper">
  <!-- Navbar -->
  <nav class="main-header navbar navbar-expand navbar-white navbar-light">
    <!-- Left navbar links -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link" data-widget="pushmenu" href="#" role="button"><i class="fas fa-bars"></i></a>
      </li>
      <li class="nav-item d-none d-sm-inline-block">
        <!-- <a href="index3.html" class="nav-link">Home</a> -->
      </li>
      <li class="nav-item d-none d-sm-inline-block">
        <!-- <a href="#" class="nav-link">Contact</a> -->
      </li>
    </ul>

    </ul>
  </nav>
  <!-- /.navbar -->

  <!-- Main Sidebar Container -->
  <aside class="main-sidebar sidebar-dark-primary elevation-4">
    <!-- Brand Logo -->
    <a href="pos.php" class="brand-link">
      <img src="../dist/img/logo.jpeg" alt="Logo" class="brand-image img-circle elevation-3" style="opacity: .8">
      <span class="brand-text font-weight-light">POS</span>
    </a>

    <!-- Sidebar -->
    <div class="sidebar">
      <!-- Sidebar user panel (optional) -->
      <div class="user-panel mt-3 pb-3 mb-3 d-flex">
        <div class="image">
          <img src="../dist/img/user.jpg" class="img-circle elevation-2" alt="User Image">
        </div>
```

```
  <div class="info">
    <a href="#" class="d-block"><?php echo $_SESSION['username']; ?></a>
  </div>
</div>

<!-- SidebarSearch Form -->
<div class="form-inline">
  <div class="input-group" data-widget="sidebar-search">
    <input class="form-control form-control-sidebar" type="search" placeholder="Search" aria-label="Search">
    <div class="input-group-append">
      <button class="btn btn-sidebar">
        <i class="fas fa-search fa-fw"></i>
      </button>
    </div>
  </div>
</div>

<!-- Sidebar Menu -->
<nav class="mt-2">
  <ul class="nav nav-pills nav-sidebar flex-column" data-widget="treeview" role="menu" data-accordion="false">
    <!-- Add icons to the links using the .nav-icon class
        with font-awesome or any other icon font library -->

    <li class="nav-item">
      <a href="pos.php" class="nav-link">
        <!-- <i class="nav-icon fas fa-cash-register"></i> -->
        <p>POS</p>
      </a>
    </li>

    <li class="nav-item">
      <a href="orderlist.php" class="nav-link">
        <!-- <i class="nav-icon fas fa-shopping-cart"></i> -->
        <p>Order List</p>
      </a>
    </li>

    <li class="nav-item">
      <a href="changepassword.php" class="nav-link">
        <!-- <i class="nav-icon fas fa-key"></i> -->
        <p>Change Password</p>
      </a>
    </li>

    <li class="nav-item">
      <a href="logout.php" class="nav-link">
        <!-- <i class="nav-icon fas fa-sign-out-alt"></i> -->
        <p>Logout</p>
      </a>
    </li>
  </ul>
</nav>
<!-- /.sidebar-menu -->
  </div>
  <!-- /.sidebar -->
</aside>
```

connectdb.php – is used to provide connection to connect to a database

```php
<?php
try{
```

```php
$pdo = new PDO('mysql:host=localhost;port=3307;dbname=pos_db','root','');

}catch(PDOException $e  ){
        echo $e->getMessage();
}
//echo'connection success';

?>
```

logout.php – for logging out of the session
```php
<?php

session_start();

session_destroy();

header('location:../index.php');

?>
```

orderlist.php – display the list of orders made by the customer
```php
<?php
include_once 'connectdb.php';
session_start();

if($_SESSION['useremail']==""  OR $_SESSION['role']==""){
   header('location:../index.php');
}

if($_SESSION['role']=="Admin"){
   include_once'header.php';
} else {
   include_once'headeruser.php';
}
?>
```

```html
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
   <!-- Content Header (Page header) -->
   <div class="content-header">
      <div class="container-fluid">
         <div class="row mb-2">
            <!-- <div class="col-sm-6">
               <h1 class="m-0">OrderList</h1>
            </div> -->
            <!-- /.col -->
            <div class="col-sm-6">
               <ol class="breadcrumb float-sm-right">
               </ol>
            </div><!-- /.col -->
         </div><!-- /.row -->
      </div><!-- /.container-fluid -->
   </div>
   <!-- /.content-header -->

   <!-- Main content -->
   <div class="content">
      <div class="container-fluid">
         <div class="row">
            <div class="col-lg-12">
               <div class="card card-outline">
                  <div class="card-header">
```

```php
                <h3 class="m-0">Orders</h3>
            </div>
            <div class="card-body">
                <table class="table table-striped table-hover" id="table_orderlist">
                    <thead>
                        <tr>
                            <td>Invoice ID</td>
                            <td>Order Date</td>
                            <td>Total</td>
                            <td>Paid</td>
                            <td>Due</td>
                            <td>Payment Type</td>
                            <td>ActionIcons</td>
                        </tr>
                    </thead>
                    <tbody>
                        <?php
                        $select = $pdo->prepare("select * from tbl_invoice order by invoice_id ASC");
                        $select->execute();

                        while ($row = $select->fetch(PDO::FETCH_OBJ)) {
                            echo '
                            <tr>
                                <td>'.$row->invoice_id.'</td>
                                <td>'.$row->order_date.'</td>
                                <td>'.$row->total.'</td>
                                <td>'.$row->paid.'</td>
                                <td>'.$row->due.'</td>';

                            if($row->payment_type=="Cash"){
                                echo'<td style="font-size:20px;"><span
class="badge">'.$row->payment_type.'</span></td>';
                            } else if($row->payment_type=="Card"){
                                echo'<td style="font-size:20px;"><span
class="badge">'.$row->payment_type.'</span></td>';
                            } else {
                                echo'<td style="font-size:20px;"><span
class="badge">'.$row->payment_type.'</span></td>';
                            }

                            echo'
                                <td>
                                    <div class="btn-group">
                                        <a href="printbill.php?id='.$row->invoice_id.'" class="btn btn-warning" role="button"
target="_blank"><span class="fa fa-print" style="color:#ffffff" data-toggle="tooltip" title="Print Bill"></span></a>
                                        <a href="editorderpos.php?id='.$row->invoice_id.'" class="btn btn-info"
role="button"><span class="fa fa-edit" style="color:#ffffff" data-toggle="tooltip" title="Edit Order"></span></a>
                                        <button id='.$row->invoice_id.' class="btn btn-danger btndelete"><span class="fa fa-
trash" style="color:#ffffff" data-toggle="tooltip" title="Delete Order"></span></button>
                                    </div>
                                </td>
                            </tr>';
                        }
                        ?>
                    </tbody>
                </table>
            </div>
        </div>
    </div>
    <!-- /.col-md-6 -->
</div>
<!-- /.row -->
```

```
    </div><!-- /.container-fluid -->
  </div>
  <!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php
include_once "footer.php";
?>

<script>
  $(document).ready(function() {
      $('[data-toggle="tooltip"]').tooltip();
  });
</script>

<script>
  $(document).ready(function() {
      $('.btndelete').click(function() {
          var tdh = $(this);
          var id = $(this).attr("id");

          Swal.fire({
              title: 'Do you want to delete?',
              text: "You won't be able to revert this!",
              icon: 'warning',
              showCancelButton: true,
              confirmButtonColor: '#3085d6',
              cancelButtonColor: '#d33',
              confirmButtonText: 'Yes, delete it!'
          }).then((result) => {
              if (result.isConfirmed) {
                  $.ajax({
                      url: 'ordertdelete.php',
                      type: 'post',
                      data: {pidd: id},
                      success: function(data) {
                          tdh.parents('tr').hide();
                      }
                  });

                  Swal.fire(
                      'Deleted!',
                      'Your Invoice has been deleted.',
                      'success'
                  )
              }
          })
      });
  });
</script>

<script>
  $(document).ready(function() {
      $('#table_orderlist').DataTable({
          "order": [[0, "desc"]]
      });
  });
</script>
```

orderdelete.php - is used to delete an order
```
<?php
```

```php
include_once'connectdb.php';

$id = $_POST['pidd'];

$select = $pdo->prepare("select * from tbl_invoice_details where invoice_id=$id");
$select->execute();
$row_invoice_details = $select->fetchAll(PDO::FETCH_ASSOC);

foreach($row_invoice_details as $product_invoice_details){
    $updateproduct_stock = $pdo->prepare("update tbl_product set stock=stock+".$product_invoice_details['qty']."
where pid='".$product_invoice_details['product_id']."'");
    $updateproduct_stock->execute();
}

$sql = "delete tbl_invoice, tbl_invoice_details from tbl_invoice INNER JOIN tbl_invoice_details ON
tbl_invoice.invoice_id = tbl_invoice_details.invoice_id WHERE tbl_invoice.invoice_id=$id";

$delete = $pdo->prepare($sql);

if($delete->execute()){

} else {
    echo 'error: Failed to delete';
}
?>
```

productdelete.php *– is used to delete a product*

```php
<?php

include_once'connectdb.php';

$id=$_POST['pidd']; //pidd comes from productlist.php under ajax

// Get image name before deleting the product
$select = $pdo->prepare("SELECT image FROM tbl_product WHERE pid = :id");
$select->bindParam(':id', $id);
$select->execute();
$row = $select->fetch();

$sql="delete from tbl_product where pid =$id";

$delete=$pdo->prepare($sql);

if($delete->execute()){

    unlink("productimages/".$row['image']);

}else{

    echo"Error in deleting product";
}

?>
```

pos.php *– contains the real logic of the POS of sale system for calculating price, due, etc.*

```php
<?php
    ob_start();
    include_once 'connectdb.php';
    session_start();
```

```php
if($_SESSION['useremail']==""  OR $_SESSION['role']==""){

    header('location:../index.php');

  }

//below function is used to get product information from tbl_product table for Select2 plugin
function fill_product($pdo){

$output=";
$select=$pdo->prepare("select * from tbl_product order by product asc");

$select->execute();

$result=$select->fetchAll();

foreach($result as $row){
$output.='<option value="'.$row["pid"].'">'.$row["product"].'</option>';

}

return $output;

}//edn function end here


if(isset($_POST['btnsaveorder'])){

  $orderdate    = date('Y-m-d');
  $subtotal     = $_POST['txtsubtotal'];
  $discount     = $_POST['txtdiscount'];
  $sgst         = $_POST['txtsgst'];
  $cgst         =$_POST['txtcgst'];
  $total        = $_POST['txttotal'];
  $payment_type =$_POST['rb'];
  $due          = $_POST['txtdue'];
  $paid         =$_POST['txtpaid'];

  /////

  $arr_pid     = $_POST['pid_arr'];
  $arr_barcode = $_POST['barcode_arr'];
  $arr_name    = $_POST['product_arr'];
  $arr_stock   = $_POST['stock_c_arr'];
  $arr_qty     = $_POST['quantity_arr'];
  $arr_price   = $_POST['price_c_arr'];
  $arr_total   = $_POST['saleprice_arr'];

  //Invoice table
  $insert=$pdo->prepare("insert into tbl_invoice (order_date,subtotal,discount,sgst,cgst,total,payment_type,due,paid)
values(:orderdate,:subtotal,:discount,:sgst,:cgst,:total,:payment_type,:due,:paid)");

  $insert->bindParam(':orderdate',$orderdate);
  $insert->bindParam(':subtotal',$subtotal);
  $insert->bindParam(':discount',$discount);
  $insert->bindParam(':sgst',$sgst);
  $insert->bindParam(':cgst',$cgst);
  $insert->bindParam(':total',$total);
  $insert->bindParam(':payment_type',$payment_type);
  $insert->bindParam(':due',$due);
  $insert->bindParam(':paid',$paid);
```

```
  $insert->execute();


  $invoice_id=$pdo->lastInsertId();
   //below code is used to update data in tbl_product table when order is placed and insert data in tbl_invoice_details
table
   if($invoice_id!=null){

   for($i=0;$i<count($arr_pid);$i++){

     $rem_qty=$arr_stock[$i]-$arr_qty[$i]; //stock - order qty

   if($rem_qty<0){

     return"Order is not completed";

   }else{

     $update=$pdo->prepare("update tbl_product SET stock='$rem_qty' where pid='".$arr_pid[$i]."'");
     $update->execute();

   }//else end here


   $insert=$pdo->prepare("insert into tbl_invoice_details
(invoice_id,barcode,product_id,product_name,qty,rate,saleprice,order_date) values
(:invid,:barcode,:pid,:name,:qty,:rate,:saleprice,:order_date)");
   $insert->bindParam(':invid',$invoice_id);
   $insert->bindParam(':barcode',$arr_barcode[$i]);
   $insert->bindParam(':pid',$arr_pid[$i]);
   $insert->bindParam(':name',$arr_name[$i]);
   $insert->bindParam(':qty',$arr_qty[$i]);
   $insert->bindParam(':rate',$arr_price[$i]);
   $insert->bindParam(':saleprice',$arr_total[$i]);
   $insert->bindParam(':order_date',$orderdate);


   if(!$insert->execute()){

     print_r($insert->errorInfo()); //sql statement error
   }

    }//end for loop

   header('location:orderlist.php');
    }//1st if end

   //var_dump($arr_total);

   }

   if($_SESSION['role']=="Admin"){
    include_once'header.php';
   }else{

    include_once'headeruser.php';
   }


   ob_end_flush();

   $select=$pdo->prepare("select * from tbl_taxdis where taxdis_id =1");
```

```
    $select->execute();
    $row=$select->fetch(PDO::FETCH_OBJ);

    ?>
<style type="text/css">
  .tableFixHead{
  overflow: scroll;
  height: 520px;
  }
  .tableFixHead thead th {
  position: sticky;
  top:0 ;
  z-index: 1;
  }
  table {border-collapse:collapse; width: 100px;}
  th,td {padding:8px 16px;}
  th{background: #eee;}
</style>
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <!-- <h1 class="m-0">Point Of Sale</h1> -->
        </div>
        <!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
              <li class="breadcrumb-item active">Starter Page</li> -->
          </ol>
        </div>
        <!-- /.col -->
      </div>
      <!-- /.row -->
    </div>
    <!-- /.container-fluid -->
  </div>
  <!-- /.content-header -->
  <!-- Main content -->
  <div class="content">
    <div class="container-fluid">
      <div class="row">
        <div class="col-lg-12">
          <div class="card card-outline">
            <div class="card-header">
              <h3 class="m-0">POS</h3>
            </div>
            <div class="card-body">
              <div class="row">
                <div class="col-md-8">
                  <div class="input-group mb-3">
                    <div class="input-group-prepend">
                      <!-- <span class="input-group-text"><i class="fa fa-barcode"></i></span> -->
                    </div>
                    <input type="text" class="form-control" placeholder="Enter Barcode" autocomplete="off"
name="txtbarcode" id="txtbarcode_id">
                  </div>
                  <form action="" method="post" name="">
```

```html
<select class="form-control select2" data-dropdown-css-class="select2-primary" style="width: 100%;">
        <option>Select/Search</option>
        <?php echo fill_product($pdo);?>
    </select>
    </br>
    <div class="tableFixHead">
      <table id="producttable" class="table table-bordered table-hover">
        <thead>
          <tr>
            <th>Product</th>
            <th>Stock </th>
            <th>price </th>
            <th>QTY    </th>
            <th>Total  </th>
            <th>Del    </th>
          </tr>
        </thead>
        <tbody class="details" id="itemtable">
          <tr data-widget="expandable-table" aria-expanded="false">
          </tr>
        </tbody>
      </table>
    </div>
  </div>
  <div class="col-md-4">
  <div class="input-group">
  <div class="input-group-prepend">
  <span class="input-group-text">SUBTOTAL(Rs) </span>
  </div>
  <input type="text" class="form-control" name="txtsubtotal" id="txtsubtotal_id" readonly >
  <div class="input-group-append">
  <span class="input-group-text">Rs</span>
  </div>
  </div>
  <div class="input-group">
  <div class="input-group-prepend">
  <span class="input-group-text">DISCOUNT(%)</span>
  </div>
  <input type="text" class="form-control"  name="txtdiscount" id="txtdiscount_p"  value="<?php echo
$row->discount;?>" >
  <div class="input-group-append">
  <span class="input-group-text">%</span>
  </div>
  </div>
  <div class="input-group">
  <div class="input-group-prepend">
  <span class="input-group-text">DISCOUNT(Rs)</span>
  </div>
  <input type="text" class="form-control" id="txtdiscount_n" readonly >
  <div class="input-group-append">
  <span class="input-group-text">Rs</span>
  </div>
  </div>
  <div class="input-group">
  <div class="input-group-prepend">
  <span class="input-group-text">SGST(%)</span>
  </div>
  <input type="text" class="form-control"  name="txtsgst" id="txtsgst_id_p" value="<?php echo
$row->sgst;?>" readonly >
  <div class="input-group-append">
  <span class="input-group-text">%</span>
  </div>
```

```
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">CGST(%)</span>
</div>
<input type="text" class="form-control" name="txtcgst" id="txtcgst_id_p" value="<?php echo
$row->cgst;?>" readonly  >
<div class="input-group-append">
<span class="input-group-text">%</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">SGST(Rs)</span>
</div>
<input type="text" class="form-control" id="txtsgst_id_n" readonly >
<div class="input-group-append">
<span class="input-group-text">Rs</span>
</div>
</div>
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">CGST(Rs)</span>
</div>
<input type="text" class="form-control" id="txtcgst_id_n" readonly >
<div class="input-group-append">
<span class="input-group-text">Rs</span>
</div>
</div>
<hr style="height:2px; border-width:0; color:black; background-color:black;">
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">TOTAL(Rs)</span>
</div>
<input type="text" class="form-control form-control-lg total" name="txttotal" id="txttotal" readonly >
<div class="input-group-append">
<span class="input-group-text">Rs</span>
</div>
</div>
<hr style="height:2px; border-width:0; color:black; background-color:black;">
<div class="icheck-success d-inline">
<input type="radio" name="rb" value="Cash" checked id="radioSuccess1">
<label for="radioSuccess1">
CASH
</label>
</div>
<div class="icheck-primary d-inline">
<input type="radio" name="rb" value="Card" id="radioSuccess2">
<label for="radioSuccess2">
CARD
</label>
</div>
<div class="icheck-danger d-inline">
<input type="radio" name="rb" value="Check" id="radioSuccess3">
<label for="radioSuccess3">
CHECK
</label>
</div>
<hr style="height:2px; border-width:0; color:black; background-color:black;">
<div class="input-group">
<div class="input-group-prepend">
<span class="input-group-text">DUE(Rs)</span>
```

```
              </div>
              <input type="text" class="form-control" name="txtdue" id="txtdue" readonly >
              <div class="input-group-append">
              <span class="input-group-text">Rs</span>
              </div>
              </div>
              <div class="input-group">
              <div class="input-group-prepend">
              <span class="input-group-text">PAID(Rs)</span>
              </div>
              <input type="text" class="form-control"  name="txtpaid" id="txtpaid">
              <div class="input-group-append">
              <span class="input-group-text">Rs</span>
              </div>
              </div>
              <hr style="height:2px; border-width:0; color:black; background-color:black;">
              <div class="card-footer">
              <div class="text-center">
              <button type="submit" class="btn btn-primary" name="btnsaveorder">Save order</button></div>
              </div>
              </div>
            </div>
          </div>
        </div>
        </form>
      </div>
      <!-- /.col-md-6 -->
    </div>
    <!-- /.row -->
  </div>
  <!-- /.container-fluid -->
</div>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->
<?php
  include_once "footer.php";


  ?>
<script>
 //Initialize Select2 Elements
 $('.select2').select2()

 //Initialize Select2 Elements
 $('.select2bs4').select2({
   theme: 'bootstrap4'
 })


 //barcode scanner section
 var productarr=[];

 $(function() {

 $('#txtbarcode_id').on('change', function() {


 var barcode = $("#txtbarcode_id").val();

 $.ajax({
```

```
url:"getproduct.php",
method:"get",
dataType: "json",
data:{id:barcode},
success:function(data){
//alert("pid");

//console.log(data);

if(jQuery.inArray(data["pid"],productarr)!== -1){//if product already exists in cart

var actualqty = parseInt($('#qty_id'+data["pid"]).val())+1;
$('#qty_id'+data["pid"]).val(actualqty);

var saleprice=parseInt(actualqty)*data["saleprice"];

$('#saleprice_id'+data["pid"]).html(saleprice);
$('#saleprice_idd'+data["pid"]).val(saleprice);

// $("#txtbarcode_id").val("");
calculate(0,0);

}else{

addrow(data["pid"],data["product"],data["saleprice"],data["stock"],data["barcode"]);

productarr.push(data["pid"]);

//$("#txtbarcode_id").val("");

function addrow(pid,product,saleprice,stock,barcode){

var tr='<tr>'+
//HIDDEN BARCCODE FIELD
'<input type="hidden" class="form-control barcode" name="barcode_arr[]" id="barcode_id'+barcode+'"
value="'+barcode+'" >'+
// Product name cell
'<td style="text-align:left; vertical-align:middle; font-size:20px;"><class="form-control product_c"
name="product_arr[]" <span class="badge">'+product+'</span><input type="hidden" class="form-control pid"
name="pid_arr[]" value="'+pid+'" ><input type="hidden" class="form-control product" name="product_arr[]"
value="'+product+'" >  </td>'+
// Stock quantity cell
'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge stocklbl" name="stock_arr[]"
id="stock_id'+pid+'">'+stock+'</span><input type="hidden" class="form-control stock_c" name="stock_c_arr[]"
id="stock_idd'+pid+'" value="'+stock+'"></td>'+
// Unit price cell
'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge price" name="price_arr[]"
id="price_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control price_c" name="price_c_arr[]"
id="price_idd'+pid+'" value="'+saleprice+'"></td>'+
// Quantity input cell
'<td><input type="text" class="form-control qty" name="quantity_arr[]" id="qty_id'+pid+'" value="'+1+'"
size="1"></td>'+
// Total price cell
'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge totalamt" name="netamt_arr[]"
id="saleprice_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control saleprice"
name="saleprice_arr[]" id="saleprice_idd'+pid+'" value="'+saleprice+'"></td>'+

//remove button code start here

// '<td style="text-align:left; vertical-align:middle;"><center><name="remove" class"btnremove" data-
id="'+pid+'"><span class="fas fa-trash" style="color:red"></span></center></td>'+
// '</tr>';
```

```
'<td><center><button type="button" name="remove" class="btn btn-danger btn-sm btnremove" data-
id="'+pid+'"><span class="fas fa-trash"></span></center></td>'+


'</tr>';

$('.details').append(tr);
calculate(0,0);
}//end function addrow


}
$("#txtbarcode_id").val("");//clear barcode field
}   // end of success function
})  // end of ajax request
})  // end of onchange function
}); // end of main function


//Select/Serach section
var productarr=[];//keep track of products already added to cart

$(function() {

$('.select2').on('change', function() {


var productid = $(".select2").val();

$.ajax({
url:"getproduct.php",
method:"get",
dataType: "json",
data:{id:productid},
success:function(data){
//alert("pid");

//console.log(data);

if(jQuery.inArray(data["pid"],productarr)!== -1){

var actualqty = parseInt($('#qty_id'+data["pid"]).val())+1;
$('#qty_id'+data["pid"]).val(actualqty);

var saleprice=parseInt(actualqty)*data["saleprice"];

$('#saleprice_id'+data["pid"]).html(saleprice);
$('#saleprice_idd'+data["pid"]).val(saleprice);

//$("#txtbarcode_id").val("");

calculate(0,0);
}else{

addrow(data["pid"],data["product"],data["saleprice"],data["stock"],data["barcode"]);

productarr.push(data["pid"]);

//$("#txtbarcode_id").val("");

function addrow(pid,product,saleprice,stock,barcode){
```

```
var tr='<tr>'+
'<input type="hidden" class="form-control barcode" name="barcode_arr[]" id="barcode_id'+barcode+'"
value="'+barcode+'" >'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><class="form-control product_c"
name="product_arr[]" <span class="badge">'+product+'</span><input type="hidden" class="form-control pid"
name="pid_arr[]" value="'+pid+'" ><input type="hidden" class="form-control product" name="product_arr[]"
value="'+product+'" >  </td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge stocklbl" name="stock_arr[]"
id="stock_id'+pid+'">'+stock+'</span><input type="hidden" class="form-control stock_c" name="stock_c_arr[]"
id="stock_idd'+pid+'" value="'+stock+'"></td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge price" name="price_arr[]"
id="price_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control price_c" name="price_c_arr[]"
id="price_idd'+pid+'" value="'+saleprice+'"></td>'+

'<td><input type="text" class="form-control qty" name="quantity_arr[]" id="qty_id'+pid+'" value="'+1+'"
size="1"></td>'+

'<td style="text-align:left; vertical-align:middle; font-size:20px;"><span class="badge totalamt" name="netamt_arr[]"
id="saleprice_id'+pid+'">'+saleprice+'</span><input type="hidden" class="form-control saleprice"
name="saleprice_arr[]" id="saleprice_idd'+pid+'" value="'+saleprice+'"></td>'+

//remove button code start here

// '<td style="text-align:center; vertical-align:middle;"><center><name="remove" class"btnremove" data-
id="'+pid+'"><span class="fas fa-trash" style="color:red"></span></center></td>'+

'<td><center><button type="button" name="remove" class="btn btn-danger btn-sm btnremove" data-
id="'+pid+'"><span class="fas fa-trash"></span></center></td>'+


'</tr>';


$('.details').append(tr);
calculate(0,0);

}//end function addrow

}
$("#txtbarcode_id").val("");
}   // end of success function
})  // end of ajax request
})  // end of onchange function
}); // end of main function



//handles quantity changes
$("#itemtable").delegate(".qty" ,"keyup change", function(){

var quantity=$(this);
var tr = $(this).parent().parent();//this=qty, parent=td, parent=tr

if((quantity.val()-0)>(tr.find(".stock_c").val()-0)){

Swal.fire("WARNING!", "SORRY! This Much Of Quantity Is Not Available", "warning");
quantity.val(1);

tr.find(".totalamt").text(quantity.val() * tr.find(".price").text());//similar to total = qty*price
```

```
tr.find(".saleprice").val(quantity.val() * tr.find(".price").text());//update hidden field and  store in db
calculate(0,0);
}else{

tr.find(".totalamt").text(quantity.val() * tr.find(".price").text());

tr.find(".saleprice").val(quantity.val() * tr.find(".price").text());
calculate(0,0);
}
});

//cart calculation section
function calculate(dis,paid){

var subtotal=0;
var discount=dis;
var sgst=0;
var cgst=0;
var total=0;
var paid_amt=paid;
var due=0;

$(".saleprice").each(function(){

subtotal=subtotal+($(this).val()*1);//*1 for converting string to int

});

$("#txtsubtotal_id").val(subtotal.toFixed(2));

//%
sgst=parseFloat($("#txtsgst_id_p").val());

cgst=parseFloat($("#txtcgst_id_p").val());

discount=parseFloat($("#txtdiscount_p").val());

sgst=sgst/100;
sgst=sgst*subtotal;

cgst=cgst/100;
cgst=cgst*subtotal;

discount=discount/100;
discount=discount*subtotal;

//Rs
$("#txtsgst_id_n").val(sgst.toFixed(2));

$("#txtcgst_id_n").val(cgst.toFixed(2));

$("#txtdiscount_n").val(discount.toFixed(2));


total=sgst+cgst+subtotal-discount;
due=total-paid_amt;


$("#txttotal").val(total.toFixed(2));

if(Math.abs(due)<0.01){
```

```
    $("#txtdue").val("0.00");

  }else{

    $("#txtdue").val(due.toFixed(2));

  }
  // $("#txtdue").val(due.toFixed(2));

  } //end calculate function


  $("#txtdiscount_p").keyup(function(){

  var discount=$(this).val();

  calculate(discount,0);

  });

  $("#txtpaid").keyup(function(){

  var paid=$(this).val();
  var discount=$("#txtdiscount_p").val();
  calculate(discount,paid);

  });


  $(document).on('click','.btnremove',function(){

  var removed=$(this).attr("data-id");
  productarr=jQuery.grep(productarr,function(value){

  return value!=removed;
  calculate(0,0);
  })

  $(this).closest('tr').remove();
  calculate(0,0);
  });
</script>
```

***printbarcode.php** – used to print a barcode for a product which can be use to scan.*

```php
<?php
include_once 'connectdb.php';
session_start();

if($_SESSION['useremail']=="" OR $_SESSION['role']=="User"){
   header('location:../index.php');
}

if($_SESSION['role']=="Admin"){
   include_once'header.php';
}else{
   include_once'headeruser.php';
}
?>
```

<!-- Content Wrapper. Contains page content -->

```
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <!-- <h1 class="m-0">Admin Dashboard</h1> -->
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
            <li class="breadcrumb-item active">Starter Page</li> -->
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <!-- /.content-header -->

  <!-- Main content -->
  <div class="content">
    <div class="container-fluid">
      <div class="row">
        <div class="col-lg-12">
          <div class="card card-outline">
            <div class="card-header">
              <h5 class="m-0">Generate Barcode:</h5>
            </div>
            <div class="card-body">
              <form class="form-horizontal" method="post" action="barcode/barcode.php" target="_blank">
                <?php
                $id=$_GET['id'];
                $select=$pdo->prepare("select * from tbl_product where pid =$id");
                $select->execute();

                while($row=$select->fetch(PDO::FETCH_OBJ)){
                  echo'
                  <div class="row">
                    <div class="col-md-6">
                      <ul class="list-group">
                        <center><p class="list-group-item list-group-item-info"><b>Print
Barcode</b></p></center>
                        <div class="form-group">
                          <label class="control-label col-sm-2" for="product">Product:</label>
                          <div class="col-sm-10">
                            <input autocomplete="OFF" type="text" class="form-control"
value="'.$row->product.'" id="product" name="product" readonly>
                          </div>
                        </div>
                        <div class="form-group">
                          <label class="control-label col-sm-2" for="product_id">Barcode:</label>
                          <div class="col-sm-10">
                            <input autocomplete="OFF" type="text" class="form-control"
value="'.$row->barcode.'" id="barcode" name="barcode" readonly>
                          </div>
                        </div>
                        <div class="form-group">
                          <label class="control-label col-sm-2" for="rate">Price</label>
                          <div class="col-sm-10">
                            <input autocomplete="OFF" type="text" class="form-control"
value="'.$row->saleprice.'" id="rate" name="rate" readonly>
                          </div>
```

```
                                </div>
                                <div class="form-group">
                                    <label class="control-label col-sm-2" for="rate">Stock QTY</label>
                                    <div class="col-sm-10">
                                        <input autocomplete="OFF" type="text" class="form-control"
value="'.$row->stock.'" id="stock" name="stock" readonly>
                                    </div>
                                </div>
                                <div class="form-group">
                                    <label class="control-label col-sm-2" for="print_qty">Barcode Quantity</label>
                                    <div class="col-sm-10">
                                        <input autocomplete="OFF" type="print_qty" class="form-control" id="print_qty"
name="print_qty">
                                    </div>
                                </div>
                                <div class="form-group">
                                    <div class="col-sm-offset-2 col-sm-10">
                                        <button type="submit" class="btn btn-primary">Generate Barcode</button>
                                    </div>
                                </div>
                            </ul>
                        </div>
                        <div class="col-md-6">
                            <ul class="list-group">
                                <center><p class="list-group-item list-group-item-info"><b>PRODUCT
IMAGE</b></p></center>
                                <img src="productimages/'.$row->image.'" class="img-thumbnail"/>
                            </ul>
                        </div>
                    </div>';
                }
                ?>
            </form>
        </div>
    </div>
</div>
<!-- /.col-md-6 -->
</div>
<!-- /.row -->
</div><!-- /.container-fluid -->
</div>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php
include_once "footer.php";
?>
```

printbill.php – is used to print the billing information
```
<?php
//call the FPDF library
require('fpdf/fpdf.php');

include_once'connectdb.php';

$id=$_GET["id"];

$select=$pdo->prepare("select * from tbl_invoice where invoice_id =$id");
$select->execute();
$row=$select->fetch(PDO::FETCH_OBJ);
```

```
//A4 width : 219mm
//default margin : 10mm each side
//writable horizontal : 219-(10*2)=199mm

//create pdf object
$pdf = new FPDF('P','mm',array(80,200));


//String orientation (P or L) — portrait or landscape
//String unit (pt,mm,cm and in) — measure unit
//Mixed format (A3, A4, A5, Letter and Legal) — format of pages


//add new page
$pdf->AddPage();

$pdf->SetFont('Arial', 'B', 16);
$pdf->Cell(60,8,'INVOICE DETAILS',1,1,'C');

//Line(x1,y1,x2,y2);

$pdf->Ln(1);

$pdf->SetFont('Arial','BI',8);
$pdf->Cell(20,4,'Bill No:',0,0,'');

$pdf->SetFont('Courier','BI',8);
$pdf->Cell(40,4,$row->invoice_id,0,1,'');

$pdf->SetFont('Arial','BI',8);
$pdf->Cell(20,4,'Date:',0,0,'');

$pdf->SetFont('Courier','BI',8);
$pdf->Cell(40,4,$row->order_date,0,1,'');


$pdf->SetX(7);
$pdf->SetFont('Courier','B',8);
$pdf->Cell(34,5,'PRODUCT',1,0,'C');
$pdf->Cell(7,5,'QTY',1,0,'C'); //7
$pdf->Cell(12,5,'PRC',1,0,'C');  //12
$pdf->Cell(12,5,'TOTAL',1,1,'C');


$select=$pdo->prepare("select * from tbl_invoice_details where invoice_id =$id");
$select->execute();

while($product=$select->fetch(PDO::FETCH_OBJ)){

$pdf->SetX(7);
$pdf->SetFont('Helvetica','B',8);
$pdf->Cell(34,5,$product->product_name,1,0,'L');
$pdf->Cell(7,5,$product->qty,1,0,'C');
$pdf->Cell(12,5,$product->rate,1,0,'C');
$pdf->Cell(12,5,$product->rate*$product->qty,1,1,'C');

}


$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
```

```
$pdf->Cell(25,5,'SUBTOTAL(Rs)',1,0,'C');
$pdf->Cell(20,5,$row->subtotal,1,1,'C');

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'DISCOUNT %',1,0,'C');
$pdf->Cell(20,5,$row->discount,1,1,'C');


$discount_rs=$row->discount/100;
$discount_rs=$discount_rs*$row->subtotal;

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'DISCOUNT (Rs)',1,0,'C');
$pdf->Cell(20,5,$discount_rs,1,1,'C');

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'SGST %',1,0,'C');
$pdf->Cell(20,5,$row->sgst,1,1,'C');

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'CGST %',1,0,'C');
$pdf->Cell(20,5,$row->cgst,1,1,'C');




$sgst_rs=$row->sgst/100;            // 2.5/100
$sgst_rs=$sgst_rs*$row->subtotal;

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'SGST(Rs)',1,0,'C');
$pdf->Cell(20,5,$sgst_rs,1,1,'C');




$cgst_rs=$row->cgst/100;
$cgst_rs=$cgst_rs*$row->subtotal;

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'CGST(Rs)',1,0,'C');
$pdf->Cell(20,5,$cgst_rs,1,1,'C');

$pdf->SetX(7);
$pdf->SetFont('courier','B',10);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'G-TOTAL(Rs)',1,0,'C');
$pdf->Cell(20,5,$row->total,1,1,'C');

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
```

```
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'PAID(Rs)',1,0,'C');
$pdf->Cell(20,5,$row->paid,1,1,'C');

$pdf->SetX(7);
$pdf->SetFont('courier','B',8);
$pdf->Cell(20,5,'',0,0,'L'); //190
$pdf->Cell(25,5,'DUE(Rs)',1,0,'C');
$pdf->Cell(20,5,$row->due,1,1,'C');

$pdf->Cell(20,5,'',0,1,'');

$pdf->Output();
?>
```

productlist.php *– is used to list all the products details for display*
```
<?php
include_once 'connectdb.php';
session_start();
if($_SESSION['useremail']==""  OR $_SESSION['role']=="User"){
   header('location:../index.php');
}

if($_SESSION['role']=="Admin"){
   include_once'header.php';
}else{
   include_once'headeruser.php';
}
?>
```

```
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
   <!-- Content Header (Page header) -->
   <div class="content-header">
      <div class="container-fluid">
         <div class="row mb-2">
            <div class="col-sm-6">
            </div><!-- /.col -->
            <div class="col-sm-6">
               <ol class="breadcrumb float-sm-right">
                  <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
                  <li class="breadcrumb-item active">Starter Page</li> -->
               </ol>
            </div><!-- /.col -->
         </div><!-- /.row -->
      </div><!-- /.container-fluid -->
   </div>
   <!-- /.content-header -->

   <!-- Main content -->
   <div class="content">
      <div class="container-fluid">
         <div class="row">
            <div class="col-lg-12">
               <div class="card card-outline">
                  <div class="card-header">
                     <h3 class="m-0">Product List</h3>
                  </div>
                  <div class="card-body">
                     <table class="table table-striped table-hover " id="table_product">
                        <thead>
```

```
            <tr>
                <td>Barcode</td>
                <td>Product</td>
                <td>Category</td>
                <td>Description</td>
                <td>Stock</td>
                <td>PurchasePrice</td>
                <td>SalePrice</td>
                <td>Image</td>
                <td>ActionIcons</td>
            </tr>
        </thead>
        <tbody>

            <!-- DELETE PRODUCT -->
            <?php
            $select = $pdo->prepare("select * from tbl_product order by pid ASC");
            $select->execute();

            while ($row = $select->fetch(PDO::FETCH_OBJ)) {
              echo '
              <tr>
                  <td>'.$row->barcode.'</td>
                  <td>'.$row->product.'</td>
                  <td>'.$row->category.'</td>
                  <td>'.$row->description.'</td>
                  <td>'.$row->stock.'</td>
                  <td>'.$row->purchaseprice.'</td>
                  <td>'.$row->saleprice.'</td>
                  <td><image src="productimages/'.$row->image.'" class="img-rounded" width="40px" height="40px/"></td>
                  <td>
                      <div class="btn-group">
                          <a href="printbarcode.php?id='.$row->pid.'" class="btn btn-dark" role="button"><span class="fa fa-barcode" style="color:#ffffff" data-toggle="tooltip" title="PrintBarcode"></span></a>
                          <a href="viewproduct.php?id='.$row->pid.'" class="btn btn-warning" role="button"><span class="fa fa-eye" style="color:#ffffff" data-toggle="tooltip" title="View Product"></span></a>
                          <a href="editproduct.php?id='.$row->pid.'" class="btn btn-success" role="button"><span class="fa fa-edit" style="color:#ffffff" data-toggle="tooltip" title="Edit Product"></span></a>
                          <button id='.$row->pid.' class="btn btn-danger btndelete"><span class="fa fa-trash" style="color:#ffffff" data-toggle="tooltip" title="Delete Product"></span></button>
                      </div>
                  </td>
              </tr>';
            }
            ?>
        </tbody>
    </table>
</div>
</div>
</div>
<!-- /.col-md-6 -->
</div>
<!-- /.row -->
</div><!-- /.container-fluid -->
</div>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php
include_once "footer.php";
```

```
?>

<script>
   $(document).ready(function() {
      $('#table_product').DataTable();
   });
</script>

<script>
   $(document).ready(function() {
      $('[data-toggle="tooltip"]').tooltip();
   });
</script>

<!-- DELETE PRODUCT -->
<script>
   $(document).ready(function() {
      // Change from direct click binding to event delegation
      $(document).on('click', '.btndelete', function() {
         var tdh = $(this); // Store the clicked element
         var id = $(this).attr("id"); // Get the ID from the clicked element

         Swal.fire({
            title: 'Do you want to delete?',
            text: "You won't be able to revert this!",
            icon: 'warning',
            showCancelButton: true,
            confirmButtonColor: '#3085d6',
            cancelButtonColor: '#d33',
            confirmButtonText: 'Yes, delete it!'
         }).then((result) => {
            if (result.isConfirmed) {
               $.ajax({
                  url: 'productdelete.php',
                  type: 'post',
                  data: {
                     pidd: id
                  },
                  success: function(data) {
                     tdh.parents('tr').hide(); // Hide the row
                  }
               });
               Swal.fire(
                  'Deleted!',
                  'Your Product has been deleted.',
                  'success'
               )
            }
         })
      });
   });
</script>
```

**registration.php – only admin can do registration for staff members**
```
<?php
include_once 'connectdb.php';
session_start();

if($_SESSION['useremail']=="" OR $_SESSION['role']=="User"){
   header('location:../index.php');
}
```

```php
if($_SESSION['role']=="Admin"){
    include_once "header.php";
}else{
    include_once "headeruser.php";
}

error_reporting(0);

$id=$_GET['id'];

if(isset($id)){
    $delete=$pdo->prepare("delete from tbl_user where userid =".$id);
    if($delete->execute()){
        $_SESSION['status']="Account deleted successfully";
        $_SESSION['status_code']="success";
    }else{
        $_SESSION['status']="Account Is Not Deleted";
        $_SESSION['status_code']="warning";
    }
}

if(isset($_POST['btnsave'])){
    $username = $_POST['txtname'];
    $useremail = $_POST['txtemail'];
    $userpassword= $_POST['txtpassword'];
    $userrole= $_POST['txtselect_option'];

    if(isset($_POST['txtemail'])){
        $select=$pdo->prepare("select useremail from tbl_user where useremail='$useremail'");
        $select->execute();

        if($select->rowCount()>0){
            $_SESSION['status']="Email already exists. Create Account From New Email";
            $_SESSION['status_code']="warning";
        }else{
            $insert=$pdo->prepare("insert into tbl_user (username,useremail,userpassword,role)
values(:name,:email,:password,:role)");
            $insert->bindParam(':name',$username);
            $insert->bindParam(':email',$useremail);
            $insert->bindParam(':password',$userpassword);
            $insert->bindParam(':role',$userrole);

            if($insert->execute()){
                $_SESSION['status']="Insert successfully the user into the database";
                $_SESSION['status_code']="success";
            }else{
                $_SESSION['status']="Error inserting the user into the database";
                $_SESSION['status_code']="error";
            }
        }
    }
}
?>

<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <!-- <div class="col-sm-6">
                    <h1 class="m-0">Registration</h1>
```

```
    </div> -->
     <!-- /.col -->
     <div class="col-sm-6">
        <ol class="breadcrumb float-sm-right">
           <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
           <li class="breadcrumb-item active">Starter Page</li> -->
        </ol>
     </div><!-- /.col -->
   </div><!-- /.row -->
  </div><!-- /.container-fluid -->
</div>
<!-- /.content-header -->

<!-- Main content -->
<div class="content">
   <div class="container-fluid">
      <div class="card card-outline">
         <div class="card-header">
            <h3 class="m-0">Registration</h3>
         </div>
         <div class="card-body">
            <div class="row">
               <div class="col-md-4">
                  <form action="" method="post">
                  <div class="form-group">
                     <label for="exampleInputEmail1">Name</label>
                     <input type="text" class="form-control" placeholder="Enter Name" name="txtname" required>
                  </div>
                  <div class="form-group">
                     <label for="exampleInputEmail1">Email address</label>
                     <input type="email" class="form-control" placeholder="Enter email" name="txtemail" required>
                  </div>
                  <div class="form-group">
                     <label for="exampleInputPassword1">Password</label>
                     <input type="password" class="form-control" placeholder="Password" name="txtpassword"
required>
                  </div>
                  <div class="form-group">
                     <label>Role</label>
                     <select class="form-control" name="txtselect_option" required>
                        <option value="" disabled selected>Select Role</option>
                        <option>Admin</option>
                        <option>User</option>
                     </select>
                  </div>
                  <div class="card-footer">
                     <button type="submit" class="btn btn-primary" name="btnsave">Save</button>
                  </div>
                  </form>
               </div>

               <div class="col-md-8">
                  <table class="table table-striped table-hover">
                     <thead>
                        <tr>
                           <td>#</td>
                           <td>Name</td>
                           <td>Email</td>
                           <td>Password</td>
                           <td>Role</td>
                           <td>Delete</td>
                        </tr>
```

```
                </thead>
                  <tbody>
                    <?php
                    $select = $pdo->prepare("select * from tbl_user order by userid ASC");
                    $select->execute();

                    while($row=$select->fetch(PDO::FETCH_OBJ)){
                      echo'
                      <tr>
                        <td>'.$row->userid.'</td>
                        <td>'.$row->username.'</td>
                        <td>'.$row->useremail.'</td>
                        <td>'.$row->userpassword.'</td>
                        <td>'.$row->role.'</td>
                        <td>
                          <a href="registration.php?id='.$row->userid.'" class="btn btn-danger"><i class="fa fa-
trash-alt"></i></a>
                        </td>
                      </tr>';
                    }
                    ?>
                  </tbody>
                </table>
              </div>
            </div>
          </div>
        </div>
      </div><!-- /.container-fluid -->
    </div>
    <!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php
include_once "footer.php";
?>
<?php
if(isset($_SESSION['status']) && $_SESSION['status']!=''){
?>
<script>
    Swal.fire({
        icon: '<?php echo $_SESSION['status_code'];?>',
        title: '<?php echo $_SESSION['status'];?>'
    });
</script>
<?php
unset($_SESSION['status']);
}
?>
```

user.php – dashboard for user section

```
<?php
include_once 'connectdb.php';
session_start();

if($_SESSION['useremail']=="" OR $_SESSION['role']=="Admin"){
    header('location:../index.php');
}

include_once "headeruser.php";
?>
```

```
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <div class="col-sm-6">
                    <h1 class="m-0">User Dashboard</h1>
                </div><!-- /.col -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                        <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
                        <li class="breadcrumb-item active">Starter Page</li> -->
                    </ol>
                </div><!-- /.col -->
            </div><!-- /.row -->
        </div><!-- /.container-fluid -->
    </div>
    <!-- /.content-header -->

    <!-- Main content -->
    <div class="content">
        <div class="container-fluid">
            <div class="row">
                <div class="col-lg-12">
                    <div class="card card-outline">
                        <div class="card-header">
                            <h5 class="m-0">Blank</h5>
                        </div>
                        <div class="card-body">

                        </div>
                    </div>
                </div>
                <!-- /.col-md-6 -->
            </div>
            <!-- /.row -->
        </div><!-- /.container-fluid -->
    </div>
    <!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php
include_once "footer.php";
?>
```

viewproduct.php – allows to view a product

```
<?php
include_once 'connectdb.php';
session_start();
if($_SESSION['useremail']==""  OR $_SESSION['role']=="User"){
    header('location:../index.php');
}

if($_SESSION['role']=="Admin"){
    include_once'header.php';
}else{
    include_once'headeruser.php';
}

include 'barcode/barcode128.php';
?>
```

```
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <!-- <h1 class="m-0">Admin Dashboard</h1> -->
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <!-- <li class="breadcrumb-item"><a href="#">Home</a></li>
            <li class="breadcrumb-item active">Starter Page</li> -->
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <!-- /.content-header -->

  <!-- Main content -->
  <div class="content">
    <div class="container-fluid">
      <div class="row">
        <div class="col-lg-12">
          <div class="card card-outline">
            <div class="card-header">
              <h5 class="m-0">View Product</h5>
            </div>
            <div class="card-body">
              <?php
              $id =$_GET['id'];
              $select = $pdo->prepare("select * from tbl_product where pid = $id");
              $select->execute();

              while($row=$select->fetch(PDO::FETCH_OBJ)){
                echo'
                <div class="row">
                  <div class="col-md-6">
                    <ul class="list-group">
                      <center><p class="list-group-item list-group-item-info"><b>PRODUCT
DETAILS</b></p></center>
                      <li class="list-group-item"><b>Barcode</b> <span class="badge float-
right">'.bar128($row->barcode).'</span></li>
                      <li class="list-group-item"><b>Product Name</b><span class="float-
right">'.$row->product.'</span></li>
                      <li class="list-group-item"><b>Category</b> <span class="float-
right">'.$row->category.'</span></li>
                      <li class="list-group-item"><b>Description </b><span class="float-
right">'.$row->description.'</span></li>
                      <li class="list-group-item"><b>Stock</b> <span class="float-
right">'.$row->stock.'</span></li>
                      <li class="list-group-item"><b>Purchase Price </b><span class="float-
right">'.$row->purchaseprice.'</span></li>
                      <li class="list-group-item"><b>Sale Price</b> <span class="float-
right">'.$row->saleprice.'</span></li>
                      <li class="list-group-item"><b>Product Profit</b> <span class="float-
right">'.($row->saleprice - $row->purchaseprice).'</span></li>
                    </ul>
                  </div>
                  <div class="col-md-6">
```

```
                <ul class="list-group">
                  <center><p class="list-group-item list-group-item-info"><b>PRODUCT
IMAGE</b></p></center>
                    <img src="productimages/'.$row->image.'" class="img-thumbnail"/>
                  </ul>
                </div>
              </div>';
            }
            ?>
          </div>
        </div>
      </div>
      <!-- /.col-md-6 -->
    </div>
    <!-- /.row -->
  </div><!-- /.container-fluid -->
</div>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->

<?php
include_once "footer.php";
?>
```

Sample Input/output Screens
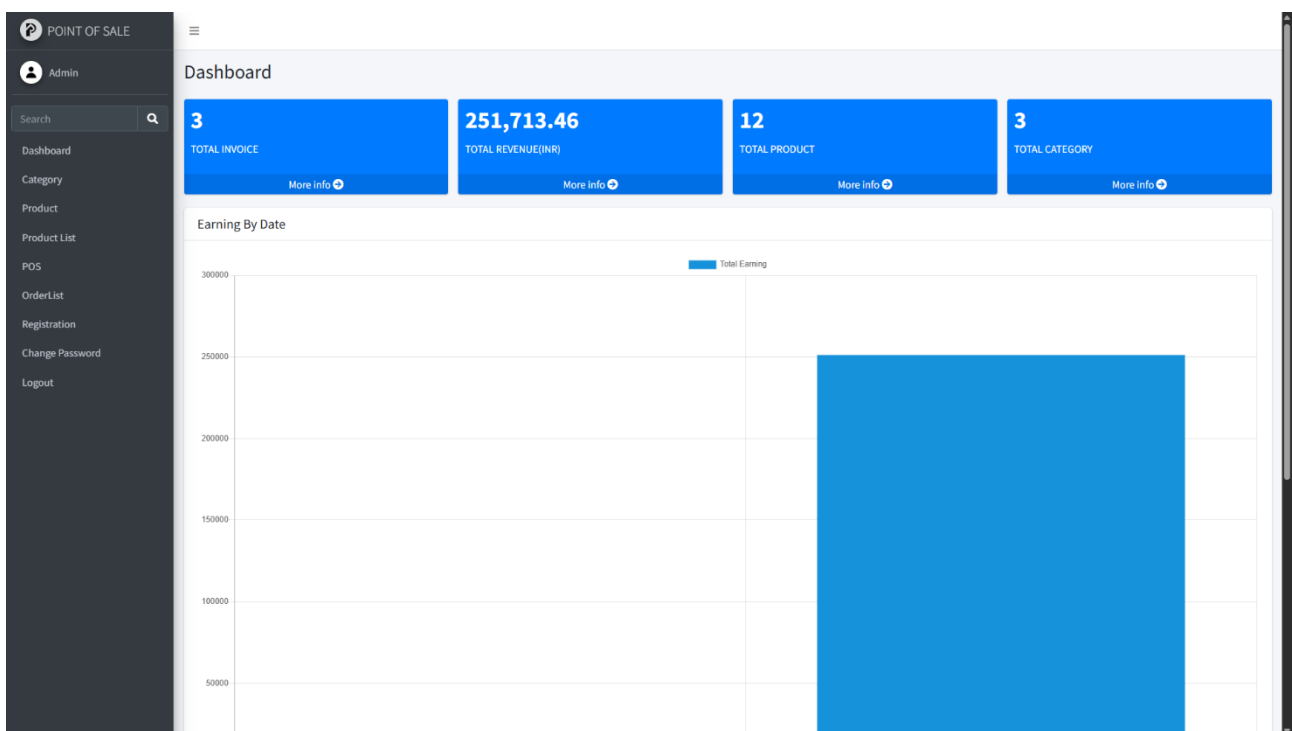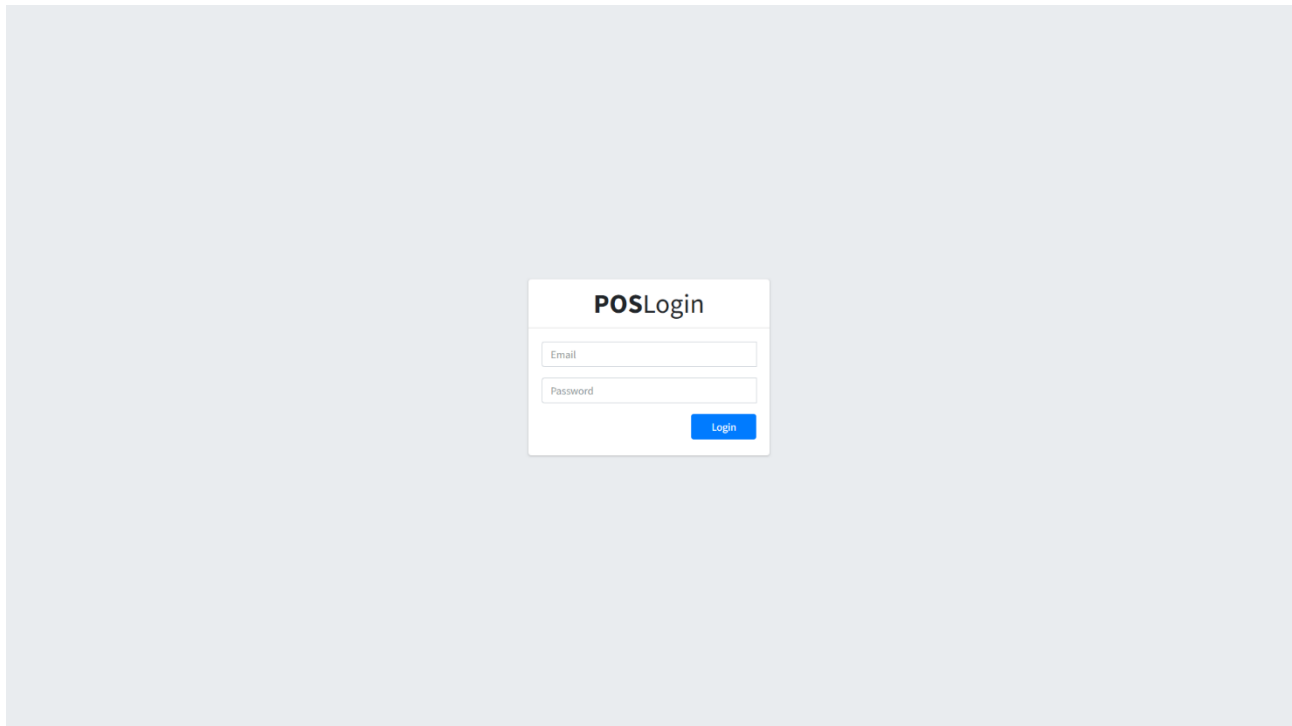
Sample Input/output Screens

Sample Input/output Screens

Sample Input/output Screens

POINT OF SALE

≡

Admin

Search 🔍

Dashboard
Category
Product
Product List
POS
OrderList
Registration
Change Password
Logout

Orders

Show 10 ⬍ entries

Search:

Invoice ID	Order Date	Total	Paid	Due	Payment Type	ActionIcons
60	2025-06-02	251198.46	251198.46	0	Cash	🖨 ✏ 🗑
55	2025-04-22	257.5	257.5	0	Card	🖨 ✏ 🗑
54	2025-04-22	257.5	257.5	0	Cash	🖨 ✏ 🗑

Showing 1 to 3 of 3 entries

Previous 1 Next

BY: WANKITBOKLANG JYRWA

POINT OF SALE

POINT OF SALE

≡

Admin

Search 🔍

Dashboard
Category
Product
Product List
POS
OrderList
Registration
Change Password
Logout

Registration

Name

Enter Name

Email address

Enter email

Password

Password

Role

Select Role

Save

#	Name	Email	Password	Role	Delete
17	Admin	123@gmail.com	123	Admin	🗑
18	User	user@gmail.com	123	User	🗑

BY: WANKITBOKLANG JYRWA

POINT OF SALE

Sample Input/output Screens

POINT OF SALE

Admin

Dashboard
Category
Product
Product List
POS
OrderList
Registration
Change Password
Logout

Change Password

Old Password	Old Password
Password	New Password
Repeat New Password	Repeate New Password

Update Password

BY: WANKITBOKLANG JYRWA   POINT OF SALE

Future Enhancement

Future enhancements:

- ➤ **Inventory Management Module**: Automatic low-stock alerts, reorder management.

- ➤ **Barcode Scanner Integration**: Allow scanning products via barcode for faster billing.

- ➤ **Customer Management**: Maintain customer profiles, purchase history, loyalty points, etc.

- ➤ **Reports and Analytics**: Daily/weekly/monthly sales reports, top-selling products, revenue tracking dashboards.

- ➤ **Mobile POS App**: Develop a mobile version using React Native or Flutter for billing on phones or tablets.

- ➤ **Cloud Backup and Sync**: Backup data to the cloud in real-time to avoid data loss and allow remote access.

- ➤ **Integration with Payment Gateways**: Enable online payments via UPI, credit/debit cards, or wallets.

- ➤ **Email/SMS Notification System**: Send invoices, payment confirmations, or low-stock alerts via email or SMS.

- ➤ **Online Order and Delivery Module**: Customers can order online, and the system handles delivery and status updates.

Conclusion

The Point-of-Sale System Website will provide businesses with a seamless and efficient platform for managing sales transactions. By utilizing modern web technologies, it ensures real-time data management, security, and a user-friendly experience. This system will significantly improve operational efficiency, reduce errors, and enhance business profitability.

<u>Summary:</u>

> ➢ Identified issues in existing POS systems and proposed an efficient web-based solution.
>
> ➢ Designed a database structure that supports seamless transaction processing.
>
> ➢ Developed data flow diagrams and an ER model to ensure a structured system architecture.
>
> ➢ Choosing PHP and MySQL as core technologies for secure scalable backend operations.

Bibliography

Third-party libraries: Chart.js(for Charts), Datatables(for responsive tables), FPDF(for generating pdf) and SweetAlert(for showing pop-up alerts on click operations).

Websites: w3schools for Bootstrap.

For Barcode Generation: Used "*barcode_php*" by Amanat, GitLab repository link:

https://gitlab.com/Juwel/php_barcode

OpenAI: CHATGPT

My Project GitHub Repository (Online): https://github.com/KitIsCooked/PointOfSaleSystem.git