

Task 7: Generating the Bill

Database Design (New Tables)

Transactions Table

```
CREATE TABLE transactions (
    transaction_id INT AUTO_INCREMENT PRIMARY KEY,
    buyer_id INT,
    payment_method VARCHAR(20),
    purchase_date DATETIME DEFAULT CURRENT_TIMESTAMP
);
```

Transaction Items Table

```
CREATE TABLE transaction_items (
    item_id INT AUTO_INCREMENT PRIMARY KEY,
    transaction_id INT,
    product_name VARCHAR(100),
    quantity INT,
    unit_price DOUBLE
);
```

Generate Bill Page (generate_bill.php)

```
<?php
include "config.php";
$txn_id = $_GET['id'];
```

```
// Buyer & Transaction Details  
  
$txn = $conn->query("SELECT t.*, b.buyer_name, b.address, b.phone, b.email  
FROM transactions t  
JOIN buyer_master b ON t.buyer_id = b.buyer_id  
WHERE t.transaction_id = $txn_id  
")->fetch_assoc();
```

```
// Products  
  
$items = $conn->query("SELECT * FROM transaction_items  
WHERE transaction_id = $txn_id  
");  
?>
```

```
<!DOCTYPE html>  
  
<html>  
  <head>  
    <title>Bill Preview</title>  
    <style>  
      body { font-family: Arial; }  
      .bill { width: 700px; margin: auto; border: 1px solid #000; padding: 20px; }  
      table { width: 100%; border-collapse: collapse; }  
      th, td { border: 1px solid #000; padding: 8px; text-align: center; }  
      .header { text-align: center; }  
    </style>
```

```
</head>
```

```
<body>
```

```
<div class="bill">
```

```
<div class="header">
```

```
    <h2>ABC STORE</h2>
```

```
    <p>Main Road, City | Phone: 9876543210</p>
```

```
    <hr>
```

```
</div>
```

```
<h4>Buyer Details</h4>
```

```
<p>
```

```
    <b>Name:</b> <?= $txn['buyer_name'] ?><br>
```

```
    <b>Address:</b> <?= $txn['address'] ?><br>
```

```
    <b>Phone:</b> <?= $txn['phone'] ?><br>
```

```
    <b>Email:</b> <?= $txn['email'] ?>
```

```
</p>
```

```
<h4>Product Details</h4>
```

```
<table>
```

```
<tr>
```

```
    <th>Product Name</th>
```

```
    <th>Qty</th>
```

```

<th>Unit Price</th>
<th>Total</th>
</tr>

<?php
$subtotal = 0;
while ($row = $items->fetch_assoc()) {
    $total = $row['quantity'] * $row['unit_price'];
    $subtotal += $total;
}
?>
<tr>
    <td><?= $row['product_name'] ?></td>
    <td><?= $row['quantity'] ?></td>
    <td><?= $row['unit_price'] ?></td>
    <td><?= $total ?></td>
</tr>
<?php } ?>
</table>

```

```

<h4>Summary</h4>
<p>
<b>Subtotal:</b> ₹<?= $subtotal ?><br>
<b>Total Amount Due:</b> ₹<?= $subtotal ?>
</p>

```

```
<hr>
```

```
<p>  
<b>Transaction ID:</b> <?= $txn['transaction_id'] ?><br>  
<b>Date:</b> <?= $txn['purchase_date'] ?><br>  
<b>Payment Method:</b> <?= $txn['payment_method'] ?>  
</p>  
  
<button onclick="window.print()">Print Bill</button>  
<a href="export_bill_pdf.php?id=<?= $txn_id ?>">Export PDF</a>  
  
</div>  
  
</body>  
</html>
```

Search Bill by Transaction ID (search_bill.php)

```
<!DOCTYPE html>  
<html>  
<head>  
<title>Search Bill</title>  
</head>  
<body>  
  
<h3>Search Transaction</h3>  
  
<form method="GET" action="generate_bill.php">
```

```
<input type="number" name="id" placeholder="Enter Transaction ID"  
required>  
<button type="submit">Generate Bill</button>  
</form>  
  
</body>  
</html>
```

Export Bill as PDF (export_bill_pdf.php)

```
<?php  
require('fpdf/fpdf.php');  
include "config.php";  
  
$id = $_GET['id'];  
  
$pdf = new FPDF();  
$pdf->AddPage();  
$pdf->SetFont('Arial','B',14);  
$pdf->Cell(0,10,'ABC STORE - BILL',0,1,'C');  
  
$pdf->SetFont('Arial','',10);  
$pdf->Cell(0,8,'Transaction ID: '.$id,0,1);  
  
$pdf->Output();  
?>
```