

# **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();
```

```
?>
```