MINIPROJECT

AIM:

To design and develop a web-based application for managing salon services, customer records, and appointment bookings using PHP and MySQL with XAMPP.

DESCRIPTION:

The Salon Management System is a web application designed to streamline and automate the daily operations of a salon. Built using PHP for backend logic and MySQL as the database (via XAMPP), the system helps in managing customer details, services offered, and appointment bookings in an efficient manner.

The application consists of a central main page that links to separate modules:

Customer module:

Purpose:

To manage information related to customers who use the salon's services.

Features:

- Add Customer: A form where the admin can enter the customer's name, contact number, and email.
- View Customers: Displays a list of all registered customers from the database.

Service module:

Purpose:

To manage the different services offered by the salon along with their pricing and duration.

Features:

- Add Service: A form to input new services such as haircut, facial, manicure, etc., with price and duration.
- View Services: Shows a list of available services.
- Edit Service: Modify the service name, price, or duration.
- Delete Service: Remove a service from the list.

Appointment module:

Purpose:

To allow booking of appointments and managing scheduled visits by customers.

Features:

- Book Appointment: A form where the admin selects a customer and a service, and sets the date and time.
- View Appointments: A list of all appointments with customer name, service, date, time, and status.

Main Dashboard Module:

Purpose:

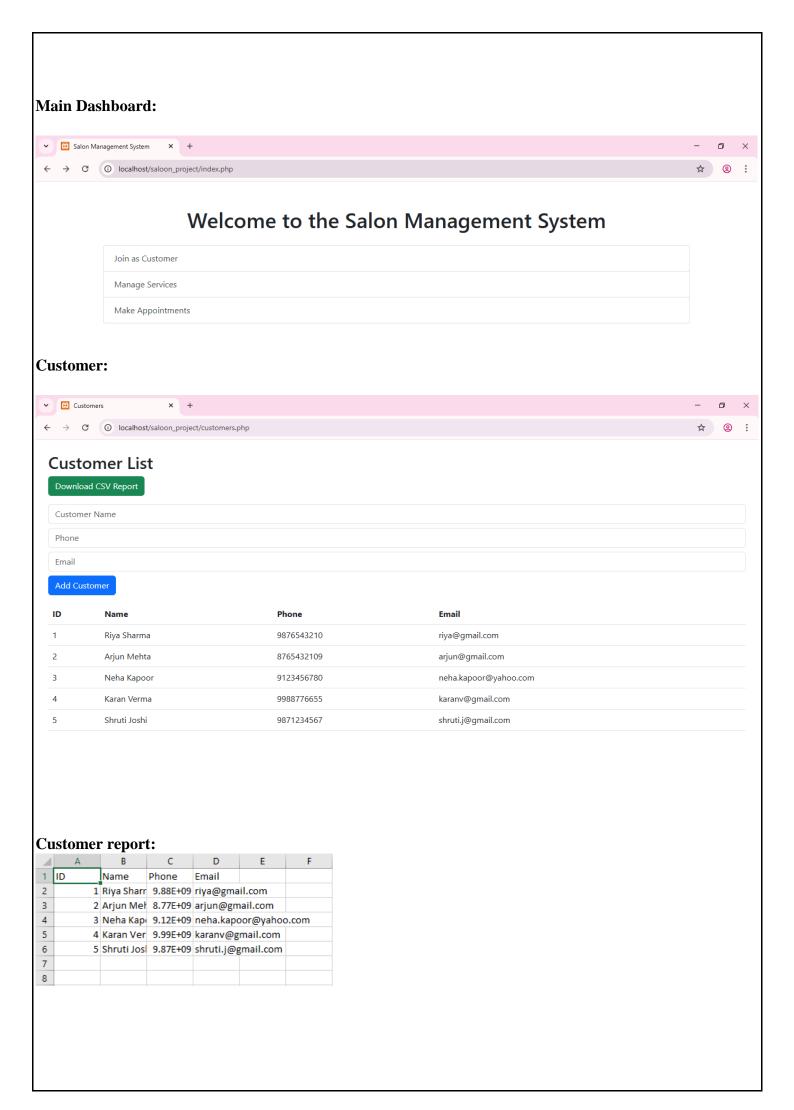Acts as a homepage to navigate to all other modules.

Features:

Clear UI with buttons to Customer, Service, and Appointment Management.

The system provides a user-friendly interface with basic Bootstrap styling for better usability. This project demonstrates the use of CRUD operations in PHP, relational database design, and integration of frontend with backend using XAMPP.
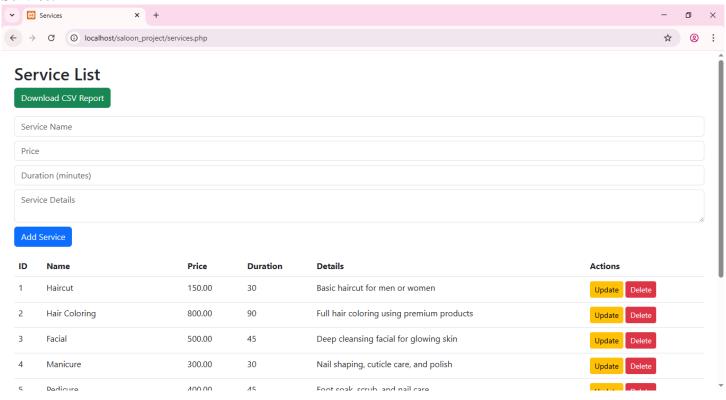
Service.php:

```php
<?php
include 'db.php';
if (isset($_GET['export']) && $_GET['export'] === 'csv') {
    header('Content-Type: text/csv');
    header('Content-Disposition: attachment;filename=services_report.csv');
    $output = fopen("php://output", "w");
    fputcsv($output, ['ID', 'Service Name', 'Price', 'Duration', 'Details']);
    $result = $conn->query("SELECT * FROM services");
    while ($row = $result->fetch_assoc()) {
        fputcsv($output, [$row['service_id'], $row['service_name'], $row['price'],
$row['duration_minutes'], $row['service_details']]);
    }
    fclose($output);
    exit;
}
?>


<!DOCTYPE html>
<html>
<head>
    <title>Services</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body class="p-4">
    <h2>Service List</h2>
    <!-- CSV Export Button -->
    <a href="?export=csv" class="btn btn-success mb-3">Download CSV Report</a>
    <!-- Service Add Form -->
    <form method="POST" class="mb-3">
        <input name="name" placeholder="Service Name" class="form-control mb-2" required>
        <input name="price" type="number" step="0.01" placeholder="Price" class="form-control mb-2"
required>
```

Main Dashboard:

Customer:

Customer report:

```php
    <input name="duration" type="number" placeholder="Duration (minutes)" class="form-control
mb-2" required>
    <textarea name="details" placeholder="Service Details" class="form-control mb-2"
required></textarea>
    <button name="add" class="btn btn-primary">Add Service</button>
  </form>
  <?php
  if (isset($_POST['add'])) {
    $stmt = $conn->prepare("INSERT INTO services (service_name, price, duration_minutes,
service_details) VALUES (?, ?, ?, ?)");
    $stmt->bind_param("sdis", $_POST['name'], $_POST['price'], $_POST['duration'],
$_POST['details']);
    $stmt->execute();
  }
  $result = $conn->query("SELECT * FROM services");
  echo "<table
class='table'><tr><th>ID</th><th>Name</th><th>Price</th><th>Duration</th><th>Details</th><th>
Actions</th></tr>";
  while ($row = $result->fetch_assoc()) {
    echo "<tr>
        <td>{$row['service_id']}</td>
        <td>{$row['service_name']}</td>
        <td>{$row['price']}</td>
        <td>{$row['duration_minutes']}</td>
        <td>{$row['service_details']}</td>
        <td>
          <a href='services_update.php?id={$row['service_id']}' class='btn btn-sm btn-
warning'>Update</a>
          <a href='services_delete.php?id={$row['service_id']}' class='btn btn-sm btn-danger'
onclick=\"return confirm('Are you sure?')\">Delete</a>
        </td>
      </tr>";
  }
  echo "</table>";
  ?>
</body>
</html>
```

Customer.php:
```php
<?php
include 'db.php';
if (isset($_GET['export']) && $_GET['export'] === 'csv') {
  header('Content-Type: text/csv');
  header('Content-Disposition: attachment;filename=customers_report.csv');
  $output = fopen("php://output", "w");
  fputcsv($output, ['ID', 'Name', 'Phone', 'Email']);
```
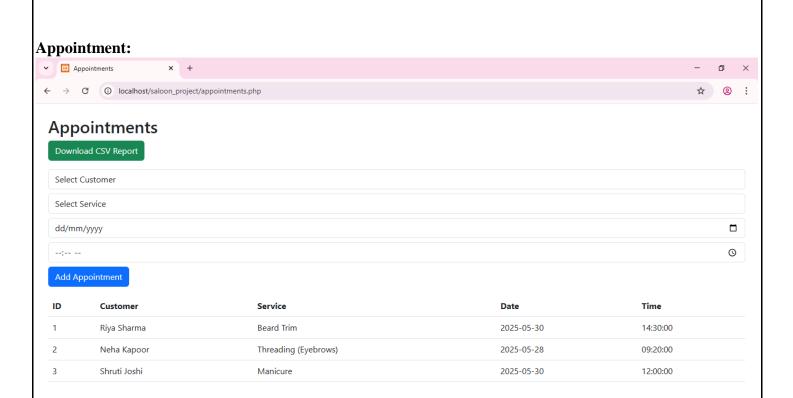
Service:

← → C   ⓘ   localhost/saloon_project/services.php   ☆   ⊙   ⋮

Service List

<div style="background:green;color:white">Download CSV Report</div>

| Service Name |
| Price |
| Duration (minutes) |
| Service Details |

Add Service

ID	Name	Price	Duration	Details	Actions
1	Haircut	150.00	30	Basic haircut for men or women	Update Delete
2	Hair Coloring	800.00	90	Full hair coloring using premium products	Update Delete
3	Facial	500.00	45	Deep cleansing facial for glowing skin	Update Delete
4	Manicure	300.00	30	Nail shaping, cuticle care, and polish	Update Delete
5	Pedicure	400.00	45	Foot soak, scrub, and nail care	Update Delete

Service report:

	A	B	C	D	E	F	G	H	I
1	ID	Service Na	Price	Duration	Details				
2	1	Haircut	150	30	Basic haircut for men or women				
3	2	Hair Color	800	90	Full hair coloring using premium products				
4	3	Facial	500	45	Deep cleansing facial for glowing skin				
5	4	Manicure	300	30	Nail shaping, cuticle care, and polish				
6	5	Pedicure	400	45	Foot soak, scrub, and nail care				
7	6	Beard Trin	100	15	Beard shaping and trimming				
8	7	Bridal Mal	3500	120	Full bridal makeup with pre-bridal skin care				
9	8	Hair Spa	700	60	Nourishing treatment for dry/damaged hair				
10	9	Waxing (F	1000	90	Full-body waxing using herbal wax				
11	10	Threading	50	10	Eyebrow shaping using threading technique				
12									

```php
    $result = $conn->query("SELECT * FROM customers");
    while ($row = $result->fetch_assoc()) {
        fputcsv($output, [$row['customer_id'], $row['name'], $row['phone'], $row['email']]);
    }
    fclose($output);
    exit;
}
?>

<!DOCTYPE html>
<html>
<head>
    <title>Customers</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body class="p-4">
    <h2>Customer List</h2>
    <a href="?export=csv" class="btn btn-success mb-3">Download CSV Report</a>
    <form method="POST" class="mb-3">
        <input name="name" placeholder="Customer Name" class="form-control mb-2" required>
        <input name="phone" placeholder="Phone" class="form-control mb-2" required>
        <input name="email" type="email" placeholder="Email" class="form-control mb-2" required>
        <button name="add" class="btn btn-primary">Add Customer</button>
    </form>
    <?php
    if (isset($_POST['add'])) {
        $stmt = $conn->prepare("INSERT INTO customers (name, phone, email) VALUES (?, ?, ?)");
        $stmt->bind_param("sss", $_POST['name'], $_POST['phone'], $_POST['email']);
        $stmt->execute();
    }
    $result = $conn->query("SELECT * FROM customers");
    echo "<table class='table'><tr><th>ID</th><th>Name</th><th>Phone</th><th>Email</th></tr>";
    while ($row = $result->fetch_assoc()) {
        echo "<tr>
            <td>{$row['customer_id']}</td>
            <td>{$row['name']}</td>
            <td>{$row['phone']}</td>
            <td>{$row['email']}</td>
        </tr>";
    }
    echo "</table>";
    ?>
</body>
</html>
```

Appointment:

Appointments

[Download CSV Report]

| Select Customer |
| Select Service |
| dd/mm/yyyy |
| --:-- -- |

[Add Appointment]

ID	Customer	Service	Date	Time
1	Riya Sharma	Beard Trim	2025-05-30	14:30:00
2	Neha Kapoor	Threading (Eyebrows)	2025-05-28	09:20:00
3	Shruti Joshi	Manicure	2025-05-30	12:00:00

Appointment report:

	A	B	C	D	E	F
1	ID	Customer	Service	Date	Time	
2	1	Riya Sharr	Beard Trim	30/5/2025	14:30:00	
3	2	Neha Kap	Threading (Eyebrows)	28/5/2025	9:20:00	
4	3	Shruti Jos	Manicure	30/5/2025	12:00:00	
5						

Appointment.php:

```php
<?php
include 'db.php';
if (isset($_GET['export']) && $_GET['export'] === 'csv') {
    header('Content-Type: text/csv');
    header('Content-Disposition: attachment;filename=appointments_report.csv');
    $output = fopen("php://output", "w");
    fputcsv($output, ['ID', 'Customer', 'Service', 'Date', 'Time']);
    $result = $conn->query("SELECT a.appointment_id, c.name AS customer_name, s.service_name,
a.appointment_date, a.appointment_time
                FROM appointments a
                JOIN customers c ON a.customer_id = c.customer_id
                JOIN services s ON a.service_id = s.service_id");
    while ($row = $result->fetch_assoc()) {
        fputcsv($output, [$row['appointment_id'], $row['customer_name'], $row['service_name'],
$row['appointment_date'], $row['appointment_time']]);
    }
    fclose($output);
    exit;
}
?>


<!DOCTYPE html>
<html>
<head>
    <title>Appointments</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body class="p-4">
    <h2>Appointments</h2>
    <a href="?export=csv" class="btn btn-success mb-3">Download CSV Report</a>
    <form method="POST" class="mb-3">
        <select name="customer_id" class="form-control mb-2" required>
            <option value="">Select Customer</option>
            <?php
            $customers = $conn->query("SELECT * FROM customers");
            while ($c = $customers->fetch_assoc()) {
                echo "<option value='{$c['customer_id']}'>{$c['name']}</option>";
            }
            ?>
        </select>
        <select name="service_id" class="form-control mb-2" required>
            <option value="">Select Service</option>
            <?php
            $services = $conn->query("SELECT * FROM services");
```

SQL query and making connection:

```sql
CREATE DATABASE IF NOT EXISTS saloon;
USE saloon;

CREATE TABLE customers (
    customer_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    phone VARCHAR(15),
    email VARCHAR(100)
);

CREATE TABLE services (
    service_id INT AUTO_INCREMENT PRIMARY KEY,
    service_name VARCHAR(100),
    price DECIMAL(8,2),
    duration_minutes INT,
    service_details TEXT
);

CREATE TABLE appointments (
    appointment_id INT AUTO_INCREMENT PRIMARY KEY,
    customer_id INT,
    service_id INT,
    appointment_date DATE,
    appointment_time TIME,
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id),
    FOREIGN KEY (service_id) REFERENCES services(service_id)
);
```

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "saloon";

$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
?>
```

Table creation:

Server: 127.0.0.1 » Database: saloon

| Structure | SQL | Search | Query | Export | Import | Operations | Privileges | Routines | Events | ▼ More |

✔ Import has been successfully finished, 5 queries executed. (saloon.sql)

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```sql
CREATE DATABASE IF NOT EXISTS saloon;
```

[Edit inline] [Edit] [Create PHP code]

⚠ Note: #1007 Can't create database 'saloon'; database exists

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds.)

```sql
USE saloon;
```

[Edit inline] [Edit] [Create PHP code]

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```sql
CREATE TABLE customers ( customer_id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(100), phone VARCHAR(15), email VARCHAR(100) );
```

[Edit inline] [Edit] [Create PHP code]

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```sql
CREATE TABLE services ( service_id INT AUTO_INCREMENT PRIMARY KEY, service_name VARCHAR(100), price DECIMAL(8,2), duration_minutes INT,
service_details TEXT );
```

■ Console [Edit] [Create PHP code]

```php
            while ($s = $services->fetch_assoc()) {
                echo "<option value='{$s['service_id']}'>{$s['service_name']}</option>";
            }
            ?>
        </select>
        <input type="date" name="date" class="form-control mb-2" required>
        <input type="time" name="time" class="form-control mb-2" required>
        <button name="add" class="btn btn-primary">Add Appointment</button>
    </form>
    <?php
    if (isset($_POST['add'])) {
        $stmt = $conn->prepare("INSERT INTO appointments (customer_id, service_id,
appointment_date, appointment_time) VALUES (?, ?, ?, ?)");
        $stmt->bind_param("iiss", $_POST['customer_id'], $_POST['service_id'], $_POST['date'],
$_POST['time']);
        $stmt->execute();
    }
    $result = $conn->query("SELECT a.appointment_id, c.name AS customer_name, s.service_name,
a.appointment_date, a.appointment_time
                FROM appointments a
                JOIN customers c ON a.customer_id = c.customer_id
                JOIN services s ON a.service_id = s.service_id");
    echo "<table
class='table'><tr><th>ID</th><th>Customer</th><th>Service</th><th>Date</th><th>Time</th></tr
>";
    while ($row = $result->fetch_assoc()) {
        echo "<tr>
            <td>{$row['appointment_id']}</td>
            <td>{$row['customer_name']}</td>
            <td>{$row['service_name']}</td>
            <td>{$row['appointment_date']}</td>
            <td>{$row['appointment_time']}</td>
        </tr>";
    }
    echo "</table>";
    ?>
</body>
</html>
```

Result:
  Thus to design and develop a web-based application for managing salon services have been
successfully developed and the output verified