

## Appointment Management System Workflow

### Customer-Facing Features

#### Landing Page

- **Design:** Professional layout with clear call-to-actions.
  - **Features:**
    1. **Search Bar:**
      - Allows users to search for an appointment using their unique appointment number.
      - Displays appointment details with an option to edit.
    2. **Book an Appointment:**
      - Button redirects to the appointment booking form.
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#### Book an Appointment Page (Public Page)

- **Form Fields:**
    1. First Name (Text Input)
    2. Last Name (Text Input)
    3. Phone Number (Text Input with + prefix validation)
    4. WhatsApp Number (Text Input with + prefix validation)
    5. Email (Email Input)
    6. Select Service (Dropdown populated from services table in the database)
    7. Select Doctor (Dropdown populated from doctors table in the database)
    8. Select Date and Time (Date picker and time picker with disabled options for already booked slots, data sourced from datetime table)
    9. Payment Mode (Dropdown with options: Cash / Credit Card)
  - **On Submission:**
    - A unique appointment number is generated (auto-increment or UUID).
    - Redirects to a Thank You page displaying the appointment number.
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#### Search Appointment

- Users can search for an appointment using their unique number.
  - Results display:
    - Appointment details.
    - Option to edit the appointment.
  - Upon editing, the changes are saved and marked as "Edited" in the system.
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## **Admin Dashboard (Login-Based)**

### **Top Dashboard Boxes**

1. **Total Appointments Today:**
  - Displays count of today's approved appointments.
  - Expandable to show detailed list with options to:
    - Receive Payment
    - Edit Information
2. **Total Appointments Tomorrow:**
  - Displays count of tomorrow's approved appointments.
  - Expandable with the same options as above.
3. **Total Customers Appointments Done:**
  - Based on payment receipts generated.
4. **Total Missed Appointments:**
  - Based on appointments with no payment receipt.
  - Expandable list with options to:
    - Edit Information
    - Mark as Done

### **New/Edited Appointments**

- Displays a list of new or edited appointments submitted by customers.
  - Admin options:
    - Approve
    - Decline
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## Side Menu

### 1. Dashboard

- Redirects to the main dashboard view.

### 2. Receive Payments

- **Features:**
  - Search by Appointment Number.
  - On finding the appointment:
    - Display customer details.
    - Inputs for:
      - Total Amount
      - Discount (optional, applied manually).
    - Calculated net amount (Total Amount – Discount).
    - Button to “Receive Payment”:
      - Generates a PDF receipt.
- **PDF Receipt:**
  - Half A4 size.
  - Includes:
    - Clinic Name.
    - Customer Name.
    - Appointment Number.
    - Amount Received.
    - Message: “Received with Thanks”.

### 3. Reports (Expandable)

- **Options:**
  1. **Total Payments Received This Month:**
    - Columns: Date, Appointment Number, Customer Name, Service, Amount.
    - Displays only current month data.
  2. **Total Payments Received All Time:**
    - Same columns as above but includes all data.

3. **Total Customers Done (Lifetime):**

- Columns: Date, Appointment Number, Customer Name (A-Z sorted), Service, Amount.

4. **Total Customers Checked This Month:**

- Same columns but limited to the current month data.

**4. Logout**

- Ends the admin session and redirects to the login page.
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**Database Tables**

**1. Appointments Table**

- **Columns:**
  - id (Primary Key)
  - first\_name
  - last\_name
  - phone
  - whatsapp
  - email
  - service\_id (Foreign Key to Services Table)
  - doctor\_id (Foreign Key to Doctors Table)
  - appointment\_date
  - appointment\_time
  - payment\_mode
  - status (New / Approved / Missed / Done)

**2. Services Table**

- **Columns:**
  - id (Primary Key)
  - service\_name

**3. Doctors Table**

- **Columns:**

- id (Primary Key)
- doctor\_name

#### 4. Datetime Table

- **Columns:**
    - id (Primary Key)
    - appointment\_date
    - appointment\_time
    - is\_booked (Boolean: 0 = Available, 1 = Booked)
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#### Development Notes

- **Frontend:**
  - Responsive design using modern CSS frameworks (e.g., Bootstrap).
  - Ensure professional color schemes and consistent UI/UX.
- **Backend:**
  - Developed using PHP with MySQL.
  - Proper input validation and sanitation to prevent SQL injection.
- **Testing:**
  - Verify each feature step-by-step.
  - Ensure accurate report generation and PDF outputs.