Dental Center Management System – Complete Workflow Documentation

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GitHub: Dental Center Management

Live Site: Visit Website

1. User Authentication

1.1. Registration (Patient)

- Full Name
- Email
- Password
- Phone number and Date of Birth are not required at this stage.
- After successful registration, redirected to the login page.

1.2. Login

- Email and Password
- If email is `admin@admin.com` → user is Admin
- Otherwise → user is Patient
- On success, session data is stored in `localStorage`
- Redirects:
    - Admin → Admin Dashboard
    - Patient → Patient Dashboard

2. Dashboard

2.1. Patient Dashboard

- Upcoming Appointments
- Appointment History
- Book New Appointment

2.2. Admin Dashboard

- ☑ Total Appointments
- 👥 Total Registered Patients
- 🗓 Upcoming Appointments
- 🏆 Top Patients (by appointment count)
- 💰 Revenue Earned

3. Appointment Booking (Patient Panel)

- Select a date
- Pick an available time slot
- Select Gender
- Define the Issue (Problem Description)

- Submit the appointment request

Post-Booking: Appointment is marked as *Pending* and reviewed by Admin.

4. Appointment History (Patient Panel)

- All previous appointments with current status
- Downloadable PDFs (prescription, summary, etc.)

5. Appointment Management (Admin Panel)

- ☑ Mark as Completed
- ✕ Reject Appointment
- 📄 Upload PDF (prescription or report)
- 📅 Set Next Appointment Date

6. Calendar View (Admin Panel)

- Interactive visual calendar for appointments
- Clickable slots for viewing appointments on the particular date

7. Patient Details Management (Admin Panel)

- Can add new patients
- For existing patients: add Phone Number, Date of Birth, and Treatment details

8. Uploading PDFs & Scheduling Follow-ups

After marking an appointment as Completed:

Admin can:

- Upload PDF documents (e.g., treatment report)
- Set a Next Appointment Date

9. Known Issues

- 📱 Not fully responsive for mobile devices
- 💻 Only optimized for laptops using media queries

10. Technologies Used

- **Frontend:** React.js
- **Styling:** CSS
- **Hosting:** Vercel
- **State Management:** Local Storage + React Context