Offline Clinic

Complete Clinic Management Solution

About the Project

Offline Clinic is a comprehensive clinic management system designed specifically for medical imaging centers and ultrasound clinics. The system streamlines daily operations by managing patients, appointments, medical images, and reports - all in one integrated platform.

The solution is built to work seamlessly with ultrasound machines and other medical imaging devices, allowing automatic transfer of patient information and images between the system and medical equipment.

Key Highlights

- ✦ Works with ultrasound machines directly
- ✦ Automatic PDF report generation
- ✦ Multi-clinic support with separate data
- ✦ Role-based access for staff
- ✦ Free to use - No subscription fees

Features

📋 Patient Management

Patient Registration

Register new patients with complete details including contact information, medical history, and personal data.

Quick Search

Find any patient instantly by searching with name, phone number, or patient ID.

📅 Appointment Scheduling

Easy Booking

Schedule appointments with specific doctors, dates, and time slots. View daily appointment list at a glance.

Status Tracking

Track patient journey from waiting room to scan completion with real-time status updates.

🔬 Medical Imaging (DICOM)

Machine Integration

Connects directly with ultrasound machines. Patient details are sent automatically to the machine.

Image Storage

All scan images are automatically received and stored securely. View images anytime from the system.

📄 Report Generation

PDF Reports

Generate professional PDF reports with patient details, scan images, and doctor's notes.

Easy Download

Download and print reports instantly. Share with patients via email or print directly.

👥 Multi-Clinic Support

Separate Clinics

Each clinic has its own space. Data is completely separate and secure between clinics.

1 Doctor Per Clinic

Each clinic can have 1 doctor and multiple receptionists. Perfect for small to medium clinics.

🔐 User Roles & Security

Role-Based Access

Different access levels for doctors, receptionists, and technicians based on their responsibilities.

Secure Login

Each user has their own login credentials. All actions are tracked and secure.

User Roles

Role	Responsibilities
Super Admin	Manages all clinics, creates clinic accounts, views overall statistics
Doctor	Views patients, manages appointments, generates reports, creates receptionists
Receptionist	Registers patients, schedules appointments, generates reports
Technician	Operates scan equipment, updates appointment status

Development Progress

Module	Status
User Authentication (Login/Logout)	✓ **Completed**
Patient Management	✓ **Completed**
Appointment Scheduling	✓ **Completed**
DICOM Integration (Ultrasound)	✓ **Completed**
PDF Report Generation	✓ **Completed**
User Management	✓ **Completed**
Multi-Clinic Support	✓ **Completed**
Server Deployment	✓ **Completed**
Automatic Deployment (CI/CD)	✓ **Completed**
Web/Mobile Application (Frontend)	📅 **In Progress**

Benefits

✓ Reduce paperwork with digital patient records

✓ No more manual image transfer - automatic from machine

✓ Generate professional reports in seconds

✓ Find any patient record instantly

✓ Track appointments and patient flow in real-time

✓ Secure data - each clinic sees only their data

✓ Free to use - No monthly subscription fees

✓ Works offline - No internet required for daily operations

Technical Summary

The system is built using modern, reliable technologies. It runs on a secure cloud server and can handle multiple clinics simultaneously. The backend is ready with 52 different functions covering all clinic operations.

What's Ready

✦ Backend System: 100% Complete
✦ Database: Configured and Running
✦ Server: Deployed and Live
✦ DICOM (Machine Connection): Working
✦ Auto-Deployment: Configured
✦ Frontend App: Development Pending

Ready to Get Started?

The backend system is complete and ready for integration. Frontend development can begin immediately.

Offline Clinic Management System

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