

# Project Requirements Document

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## 1. Introduction

This document outlines the requirements for a computer program designed for an Intensive Outpatient Pain Management Clinic. The system will manage scheduling for 12 patients, support therapy session assignments in 30-minute slots from 8:00 AM to 5:00 PM, allow dynamic rescheduling for missed appointments, and include a therapy description bank.

## 2. Functional Requirements

- Support scheduling for 12 concurrent patients.
- Daily schedule view from 8:00 AM to 5:00 PM in 30-minute increments.
- Patients can be scheduled for 2, 3, or 4 days per week.
- Total treatment duration can be 20, 30, 40, or 50 days.
- Assign multiple therapy sessions per day from a therapy description bank.
- Automatically reschedule missed appointments and adjust the treatment plan accordingly.
- Provide a daily overview dashboard showing all 12 patients' schedules.
- Enable clickable patient names to view detailed profiles.

## 3. Technical Specifications

- Secure database for storing patient records, therapy descriptions, and scheduling data.
- Support for audit logs and version history of schedule changes.
- Automated alerts for missed appointments, upcoming sessions, and schedule conflicts.
- Role-based access control for different user types.

## 4. UI/UX Considerations

- Intuitive, responsive design for desktop and tablet use.
- Drag-and-drop functionality for scheduling.
- Filters by patient, therapy type, or therapist.
- Color-coded indicators for therapy types, missed sessions, and conflicts.

## **5. Security and Compliance**

- HIPAA-compliant data handling and storage.
- Encrypted communication and secure login.
- Regular backups and disaster recovery plan.

## **6. User Roles**

- Clinic Manager: Full access to all features.
- Therapists: View and edit assigned patients.
- Admin Staff: Scheduling access only.