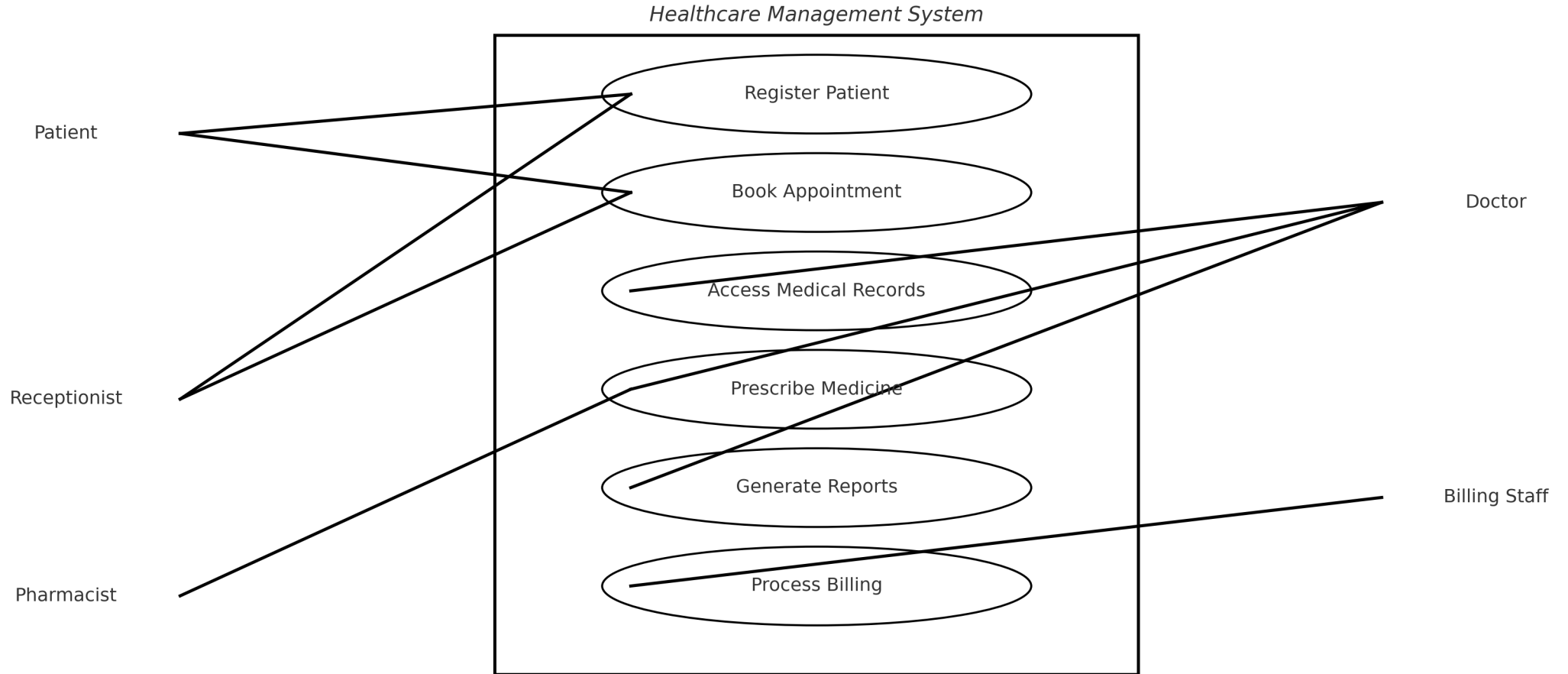


# Healthcare Management System - Detailed Use Case Diagram



# HealthCare UseCase Diagram

## 1. Introduction

The Healthcare Management System is designed to streamline patient care, appointment scheduling, medical record management, and billing processes. This case study presents a detailed use case diagram illustrating the interactions between actors and the system to improve clarity, communication, and system development.

## 2. Actors

The main actors involved in the Healthcare Management System are:

- Patient: Registers in the system and books appointments.
- Doctor: Accesses patient medical records, prescribes medicine, and generates reports.
- Receptionist: Assists patients in registering and booking appointments.
- Billing Staff: Manages billing processes and payments.
- Pharmacist: Provides prescribed medicine to patients based on doctor's prescriptions.

## 3. Use Cases

The essential use cases in the system include:

- Register Patient – Allows patient or receptionist to create a new patient record.
- Book Appointment – Enables scheduling of doctor appointments by patient or receptionist.
- Access Medical Records – Provides doctors with patient history and test results.
- Prescribe Medicine – Allows doctors to prescribe medicines, accessible by pharmacists.
- Generate Reports – Doctors generate reports related to patient treatment and hospital data.
- Process Billing – Billing staff manage and process patient payments and bills.