

CRUD Technique Analysis for Health Information Network (HIN)

1. Scope

The CRUD analysis for this project encompasses core entities of the HIN system, including but not limited to Patient Accounts, Appointments, Medical Records, Insurance Records, Emergency Contacts, Prescriptions, Reports, Billing, and User Accounts. Each use case associated with these entities is examined to confirm that it meets the functional requirements related to creating, reading, updating, and deleting records within the system. This analysis primarily focuses on interactions involving patients, healthcare providers, system administrators, government regulators, insurance companies.

2. Table of Contents

Domain Class	CRUD Operation	Use Case
Patient	Create	Register New Patient
	Read	View Patient Information
	Update	Update Patient Information
	Delete	Delete Patient Account
HealthProvider	Create	Add New Health Provider
	Create	Write Medical reports
	Read	View Health Provider Information
	Update	Update Health Provider Information
	Update	Update Health Records
	Delete	Remove Health Provider
Appointment	Create	Schedule New Appointment
	Read	View Appointment Details

	Update	Reschedule Appointment
	Delete	Cancel Appointment
MedicalRecord	Create	Add New Medical Record
	Read	View Medical History
	Update	Update Medical Record
	Delete	Remove Outdated Medical Record
Insurance	Create	Add Insurance Information
	Read	View Insurance Details
	Update	Update Insurance Information

	Delete	Remove Insurance Information
Caregiver	Create	Add Emergency Contact
	Read	View Emergency Contact Details
	Update	Update Emergency Contact Information
	Delete	Remove Emergency Contact
Government Regulator	Create	Run custom Reports
	Read	Track system Usage