

**Table 1**

Conceptual Class Category	Examples
Business Transactions	Appointment, Co-payment, Prescription
Transaction Line Items	Appointment Slot, Payment Record, Medication Dispense Record
Product or Service Related Items	Medical Record, Medication
Roles of People or Organizations	Patient, Doctor, Nurse, Pharmacist, Billing Department, System Admin, Healthcare Data Analyst, Compliance Officer
Places	Pharmacy, Clinic
Physical Objects	Prescription Bottle, Medical Equipment
Containers of Other Things	Patient File, Billing Information
Noteworthy Events	Appointment Scheduled, Payment Processed
Descriptions of Things	Patient Data, Doctor's Notes
Catalogs	Medication List, Doctor Schedule
Records of Activity	Login History, Access Logs
Organizational Units	Healthcare Provider, Healthcare Data Analyst
Interactions	Consultation, Communication, Billing Inquiry
Rules and Policies	HIPPA Compliance, Billing Policies
Notifications	Appointment Confirmation, Payment Receipt
Software System	Healthcare System, Payment Processing System
Physical Characteristics	Patient ID, Prescription ID, Appointment ID
Summarized Data	Report, Trend Analysis
Plans	Treatment Plan, Medication Plan
Locations	Billing Office, Data Center

**Table 3**

Good Classes (Retained)	Bad Classes (Pruned)
Appointment	Appointment Slot
Co-payment	Payment Record
Prescription	Medication Dispense Record
Medical Record	Prescription Bottle
Medication	Medical Equipment
Patient	Patient File
Doctor	Billing Information
Nurse	Appointment Scheduled
Pharmacist	Payment Processed
Billing Department	Doctor's Notes
System Admin	Doctor Schedule
Healthcare Data Analyst	Login History
Compliance Officer	Access Logs
Pharmacy	Trend Analysis
Clinic	Medication Plan
Patient Data	
Medication List	
HIPPA Compliance	
Appointment Confirmation	
Healthcare System	
Payment Processing System	
Patient ID	
Billing Office	

## Domain Model

