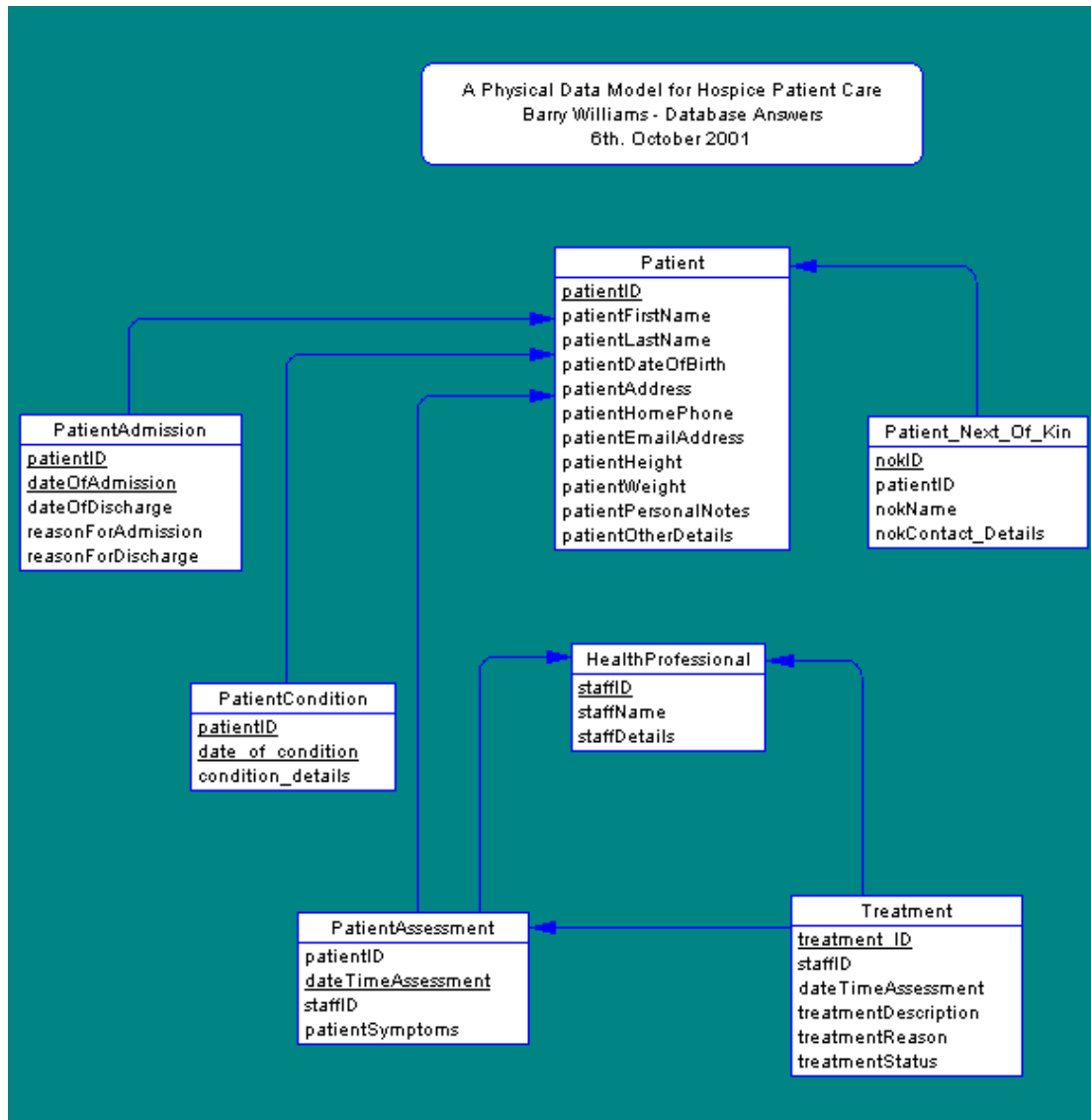**Crishel B. Ponce**

**BSCS3-B1**

**SAMPLE DATA MODEL & ANALYSIS**

Data model:

https://fordnox.github.io/databaseanswers/data_models/hospice_patient_care/index.htm



This is a Conceptual Data Model for a Hospice Care System. It helps manage patient information, medical conditions, treatments, staff details to make care easier and more organized.

**Original Scope & Key Components**

**Patient Management**
- Store patient personal information (name, contact details, address, date of birth).
- Record physical attributes (height, weight) and additional notes.

**Admission & Discharge Management**
- Track admission and discharge dates.
- Document reasons for admission and discharge.

**Condition Tracking**
- Monitor patient conditions with details and dates.

**Health Professional Management**
- Maintain staff details (names and roles).

**Assessment Tracking**
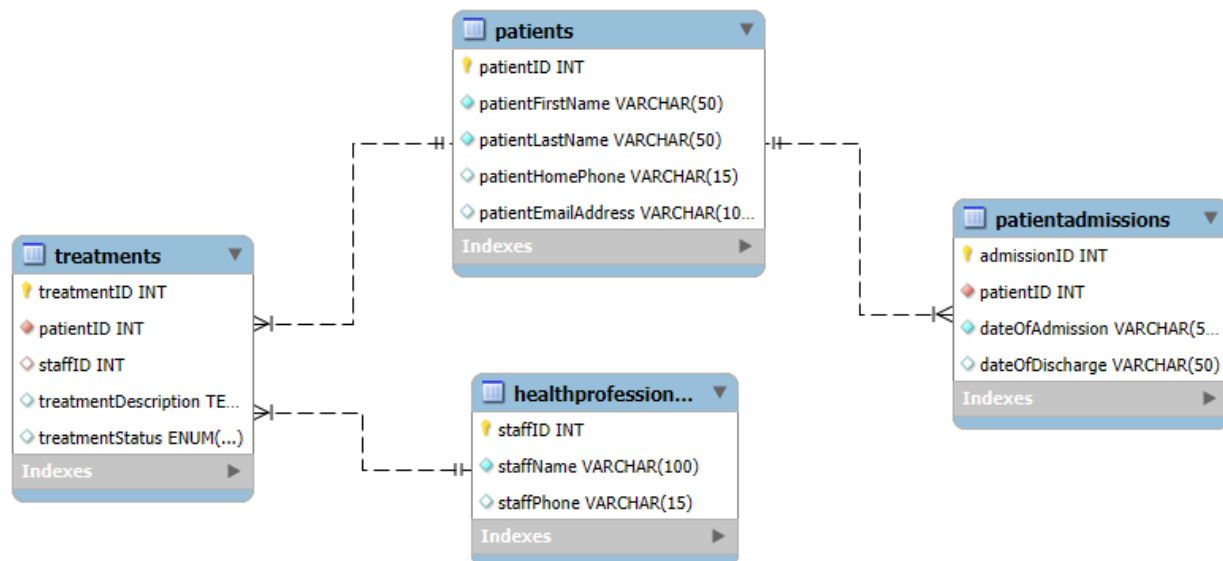- Record assessments, including symptoms, assessment times, and assigned staff.

**Treatment Management**
- Document treatments with descriptions, reasons, statuses, and responsible staff.

**Original System:**
- 7+ interconnected tables.
- Focus on patient-centric data management.
- Detailed tracking of admissions, conditions, assessments, and treatments.
- Integration of staff and next-of-kin information.

# MINIMIZED SCOPE – ESSENTIAL FEATURES ONLY

1. **Patients (Simplified)**
   - patientID
   - patientFirstName
   - patientLastName
   - patientHomePhone
   - patientEmailAddress

2. **Health Professionals (Simplified)**
   - staffID
   - staffName
   - staffPhone

3. **Patient Admissions**
   - patientID (FK)
   - dateOfAdmission
   - dateOfDischarge

4. **Treatments**
   - treatmentID
   - patientID (FK)
   - staffID (FK)
   - treatmentDescription
   - treatmentStatus

**Simplified System:**
   - 4 core tables
   - Direct relationships
   - Basic patient info
   - Basic admission and treatment tracking
   - Simple staff management

**Example User Stories (Simplified)**
   1. **As a Patient**
   - "I want to view my admission and discharge dates."
   - "I want to see my treatment history."

   2. **As a Health Professional**
   - "I want to view my patients' personal details.
   - "I want to update the treatment status of a patient."

   3. **As a Receptionist**
   - "I want to add a new patient to the system."
   - "I want to track the admission and discharge dates of patients."