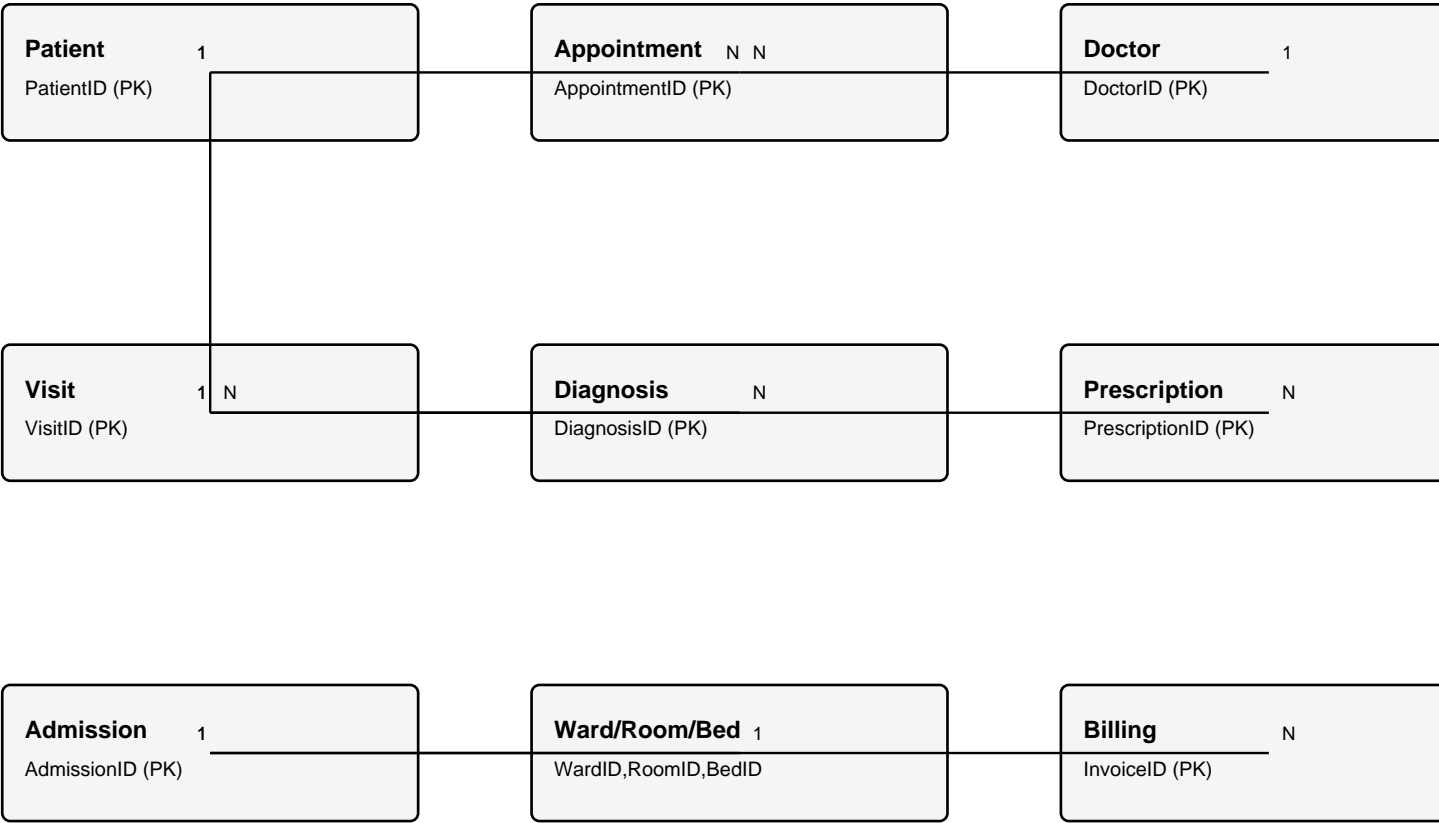


CCAS 4.3 - Assignment 2

Hospital Management System — ERD & Relational Model

Amr Tamer — 202200713



PK = Primary Key | FK = Foreign Key | M:N resolved using join tables (e.g., PrescriptionItem).

Relational Data Model (Tables, PK, FK)

Patient	PatientID PK FirstName LastName Phone DOB
Doctor	DoctorID PK FirstName LastName Specialty DepartmentID FK
Appointment	AppointmentID PK PatientID FK DoctorID FK Status DateTime
Visit	VisitID PK PatientID FK DoctorID FK VisitType Notes
Diagnosis	DiagnosisID PK VisitID FK Code Description DoctorID FK
Prescription	PrescriptionID PK VisitID FK PatientID FK DoctorID FK Date
PrescriptionItem	PrescriptionItemID PK PrescriptionID FK MedicationID FK Dosage Qty
Medication	MedicationID PK Name Strength Form
Admission	AdmissionID PK PatientID FK WardID FK RoomID FK BedID FK Dates
Ward/Room/Bed	WardID PK RoomID PK BedID PK
BillingInvoice	InvoiceID PK PatientID FK VisitID FK TotalAmount Date