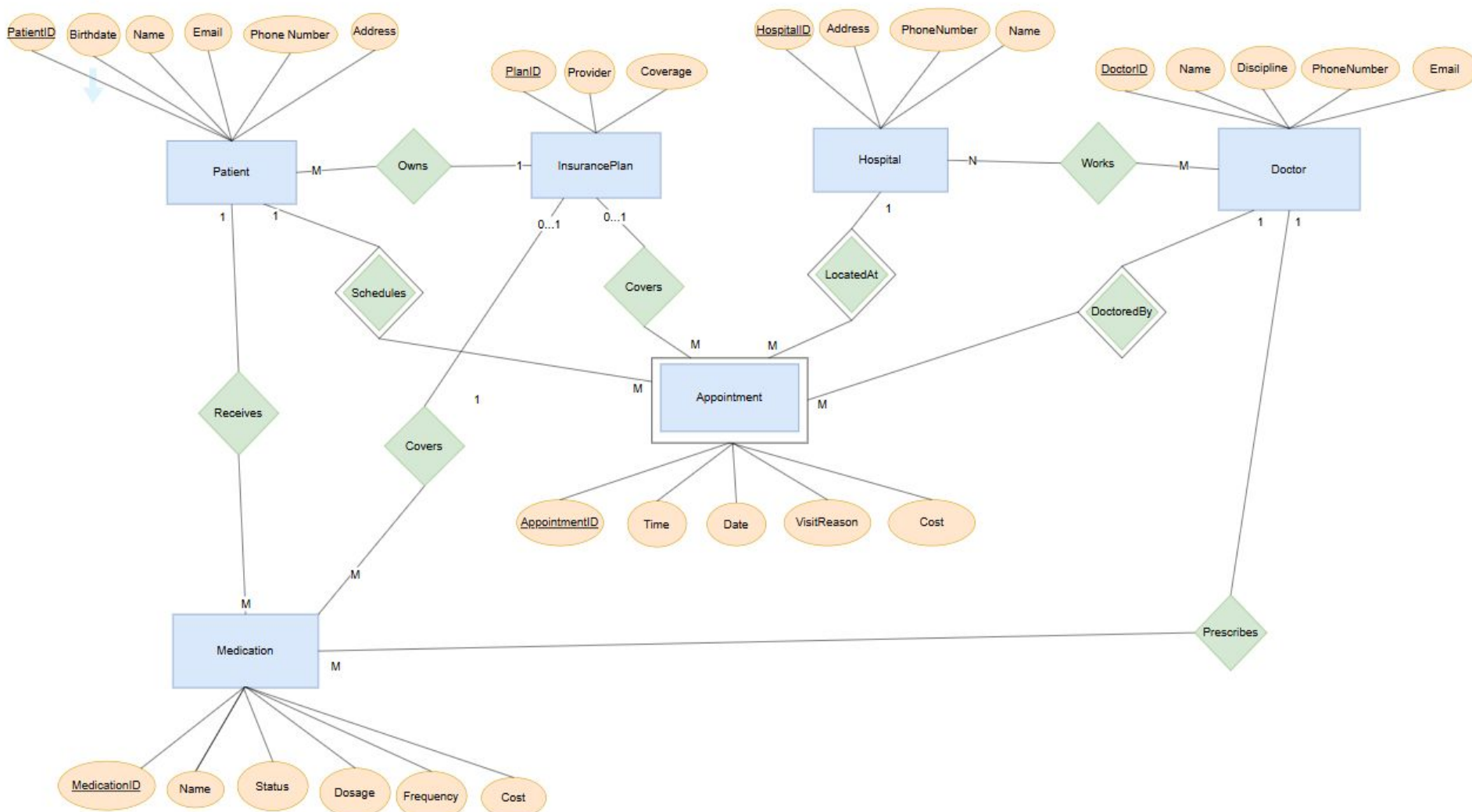




Clinic Database Management System

Group G4: Minh Tran, Sanaa Stanezai, Zayba Syed, Alex Thanh





Schema

Patients

- PatientID
- Name
- BirthDate
- PhoneNumber
- Address
- Email

InsurancePlan

- PlanID
- Provider
- Coverage

Patients (PatientID, Name, Birthdate, PhoneNumber, Address, Email)

Doctor (DoctorID, Name, PhoneNumber, Email, Discipline)

Hospital (HospitalID, Address, Name, PhoneNumber)

InsurancePlan (PlanID, Coverage, Provider)

Medication (MedicationID, Name, Status, Dosage, Frequency, Cost)

Appointment (AppointmentID, Date, Time, VisitReason, Cost)

Doctor

- DoctorID
- Name
- PhoneNumber
- Email
- Discipline

Medication

- MedicationID
- Name
- Status
- Dosage
- Frequency
- Cost

HospitalLocation

- HospitalID
- Address
- Name
- PhoneNumber

Appointment

- AppointmentID
- Date
- Time
- VisitReason
- Cost



Business Rules & Assumptions



- Patient
 - Can Schedule multiple appointments
 - Not at the same time
 - May own only one insurance plan
- Appointment
 - Scheduled at one hospital
 - Scheduled with one Doctor
 - Scheduled by one patient
- Medication
 - Attributes (Status): Paused, Completed, Ongoing
 - Prescribed by the Doctor
 - Dosage and Frequency can change
 - Cost range from 0 to 1000



Business Rules & Assumptions



- Insurance Plan
 - Each insurance has its own coverage
 - One insurance plan per patient
 - Optional for Appointment or Medication (0 or 1)
- Doctor
 - Can be assigned with many appointments
 - Different times
 - Can assign multiple kinds of medications
- Hospital
 - Contains multiple Doctors
 - Can hold multiple appointments
 - Appointment number will never exceed capacity



Thank you

