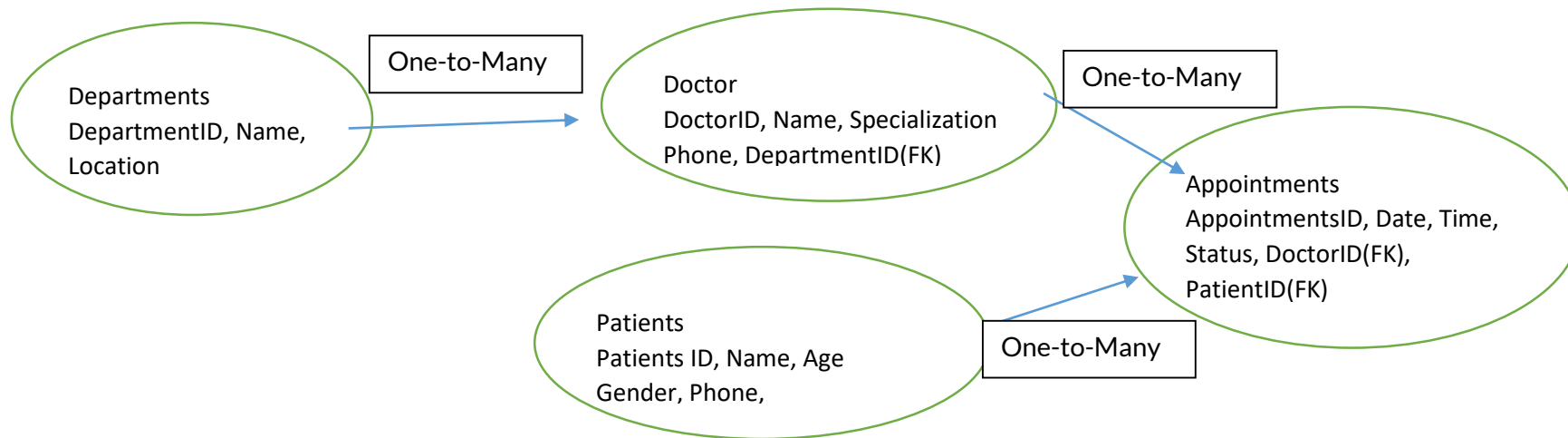


# Entity Relationship Diagram (ERD)



## Hospital Management System Database Design Project

### 1. Entity Relationship Diagram (ERD)

The ERD will illustrate the relationships between the entities (tables) and their attributes. The relationships can be defined as follows:

- **Doctors**: Primary key is DoctorID.
- **Patients**: Primary key is PatientID.
- **Appointments**: Primary key is AppointmentID. Foreign keys: DoctorID (references Doctors), PatientID (references Patients).

- **Departments:** Primary key is DepartmentID. Foreign key: DoctorID (a doctor belongs to a department).

**Diagram Components:**

- Doctors to Appointments: One-to-Many (A doctor can have multiple appointments).
- Patients to Appointments: One-to-Many (A patient can have multiple appointments).

Departments to Doctors: One-to-Many (A department has multiple doctors).