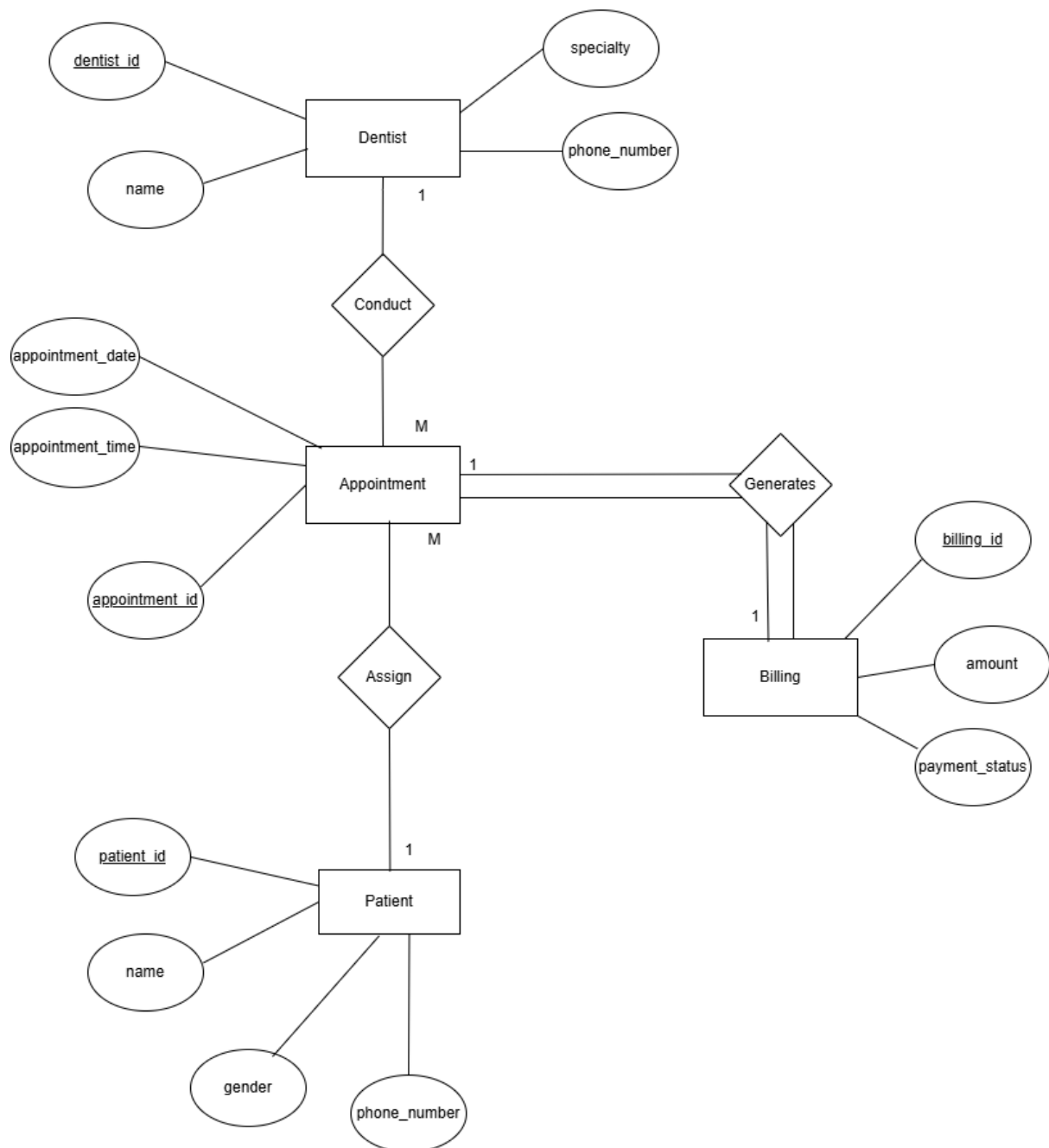## 1.Description

The database is for a dental records application with entities: **Dentist**, **Appointment, Patient, and Billing**. Patient and Dentist tables include IDs as primary keys and personal details as the attributes. The appointment table uses **dentist_id** as the **primary key** with **appointment date and time**. The billing table uses **billing_id** as the **primary key** with **amount**, and **payment status**. A dentist can conduct many appointments, each generating one bill and a patient can pay multiple bills. A patient can have multiple appointments. All tables have partial participation except for the relationship between the Appointment and Billing table which is in total participation.

2.ERD diagram

3. Normalization

Patient table in BCNF

Dentist table in BCNF

Appointment table in BCNF

Billing table in 3NF