

### Database Relational Schema

The Relational Schema Includes all of the tables and relationships found in the relational database called **dental\_clinic\_database**.

This Includes:

1. Tables
2. Attributes
3. Primary Keys
4. Foreign Keys
5. Constraints
  - Primary Key
  - Range
  - Value

My clinic database schema consists of the following tables:

- **Appointment:** store appointment dates and times for patients
- **Patient:** store patient's data
- **Treatment:** stores a list of treatment procedures offered at the clinic
- **Bill:** stores billing information
- **Payment:** stores payments made by patients
- **Specialist:** stores specialist data
- **Referrals:** stores patient referral data
- **Employee:** stores all employee info as well as clinic structure
- **Office:** stores clinic office data

Below is the Entity Relational Diagram (ERD) representation of the database.

1. Zero or one **employee** to Zero or many **employee**.
2. Zero or one **employee** to Zero or many **patients**.
3. Zero or one **employee** to One and only one **office**.
4. One and only one **appointment** to One and only one **patient**.
5. One **appointment** to One **bill**.
6. One **patient** to many **bill**.
7. One **patient** to many **referrals**.
8. One **referral** to Zero or one **treatment**.
9. One **referral** to Zero or many **specialist**.
10. One **specialist** to one **treatment**.
11. One **bill** to many **treatment**.
12. Many **bill** to Many **treatment**.

