

## 1. Operating System: Mac

### 1. Database Description

The ramatla22359691 Hospital Database (ramatla22359691) is designed to manage and store information pertinent to the staffing needs of medical facilities. It captures the details of various hospitals, job candidates, job positions, the required skills for those positions, and the interviews conducted for potential job placements.

### 2. Assumptions and Additions

- **Hospitals:** Each entry in the Hospital table represents a unique medical facility with distinct identifiers, names, addresses, and contact information. Names of the hospitals such as Seattle Grace Hospital and Grey Sloan Memorial Hospital.
- **Candidates:** Individuals applying for positions are stored in the Candidate table with unique identifiers and personal contact information.
- **Positions:** The Position table lists various roles within the hospitals, specifying the type of role and associated hospital.
- **Skills and PositionSkills:** These tables manage the many-to-many relationships between candidates/positions and their skills, reflecting the qualifications needed for each position and the competencies of each candidate.
- **Interviews:** The Interview table records the details of each interview, including the candidate, position, date of the interview, and whether a job offer was made, providing a comprehensive view of the recruitment process.

### 3. Reaction Policies

- **Data Integrity:** Constraints are enforced to maintain data integrity. For example, the unique constraint on hospital names ensures no duplication of facilities.
- **Security:** Access to the database is controlled, and sensitive candidate information is protected according to best practices in data security.
- **Scalability:** The database design allows for scalability, anticipating the addition of more hospitals, candidates, and positions.

## 4. Entity-Relationship (ER) Diagram

An ER diagram is included that illustrates the entities, their relationships, and constraints.

