

lacey18902826 Supporting Documentation

Operated System used: Windows 10

Assumptions made:

- Small and new database therefore small ID numbers for interviews and hospitals (e.g. 1-10) are suitable.
- Each hospital can hire for multiple positions (represented by hospitals 1, 3 and 7, which are interviewing/hiring for two different positions).
- All reaction policies for foreign keys are set to cascade on delete and cascade on update as it doesn't make sense to, for example, have a candidate keep a skill which no longer exists in the skills table, or have an interview for a position whose name has changed. Cascade on both these settings ensures these situations do not happen.
- I set the required skills for a Nurse to be 'High level experience', 'Communication', and 'Nursing', therefore for the 8th stored procedure (4h) these are the skills I considered to be "nursing skills". Therefore, any position that requires one of these nursing skills is counted.

*Note: dates are input in form YYYY-MM-DD for stored procedure.

Additions made:

- A skills table to establish the skills that position_skills and candidate_skills could refer to. This had to be its own extra table other than these two so that the skills were their own independent data and not just varchars in these tables. A skill must be created (added to 'skills') before it can be assigned to a candidate (added to 'candidate_skills'), therefore a skills table is required.
- Two tables candidate_skills and position_skills to create many-to-many relationships between candidates and skills, and positions and skills (using foreign keys of course).
- Foreign keys for all related data across the tables.
- An interview table with an interviewid (to uniquely identify each interview), candidateid, positionid and hospitaladvertising, to inform who is being interviewed and for what position at which hospital. This table also has a column containing the dates each interview was conducted on, and the outcome of the interview, to inform whether the candidate was offered a job or not, as required.
- A table 'hospitaladvertising_positions' to create a many-to-many relationships so that hospitals can advertise and hire for multiple positions.

