SUPPORTING DOCUMENTATION

Server Used: MySql

Hostname: 127.0.0.1 (Localhost)

Username: root

Port: 3307

Database name: das17202833

Operating System – Windows 10.

The database consists of 8 different tables as follows:

1. **applicant_details** – It consists of all the general details of an applicant such as applicant ID, name, address, telephone and the number of interviews received for a job where applicant ID serves as the primary key.
2. **job_details –** This consists of job code, job type and the university code which is offering the job. Here, the job code serves as the primary key.
3. **university_details –** Consists of University identifier, University name, address and phone number where again university code serves as the primary key.
4. **interview_ details –** Consists of Applicant ID, Interview Date, Job code and also says if the job has been offered or not. The decision is completely based on information taken from other tables and hence, none of the attributes here are primary keys. Most of them are foreign keys which will be discussed about later in this file.
5. **job_skills** – It consists of only Job ID and skill ID. Both of them are foreign keys and it helps in assigning skills to a particular job.
6. **person_skills –** It consists of the applicant ID and the skill ID and here again, it helps in assigning the skills to a person using their identifier codes.
7. **Skillset** – It consists of all the skills with their specific identifiers, that is, Skill ID. The Skill ID also serves as the primary key for the table.
8. **jobappliedbyanapplicant –** Consists of applicant identifier, the job code for which they had applied and another column which says if they have been offered the job or not. That is again based on information taken from other tables**.**

To establish relationships between tables, we use foreign keys. All the foreign keys with their referenced tables are mentioned below:

person_skills – person_ID is the foreign key as it relates with the applicant code in applicant_details. (Referenced table)

Job_skills – Job_ID serves as the foreign key and it relates to job_code in job_details table. (Referenced table)

Job_details – Uni_code serves as the foreign key to the uni_code which is there in University_details table. (Referenced table)

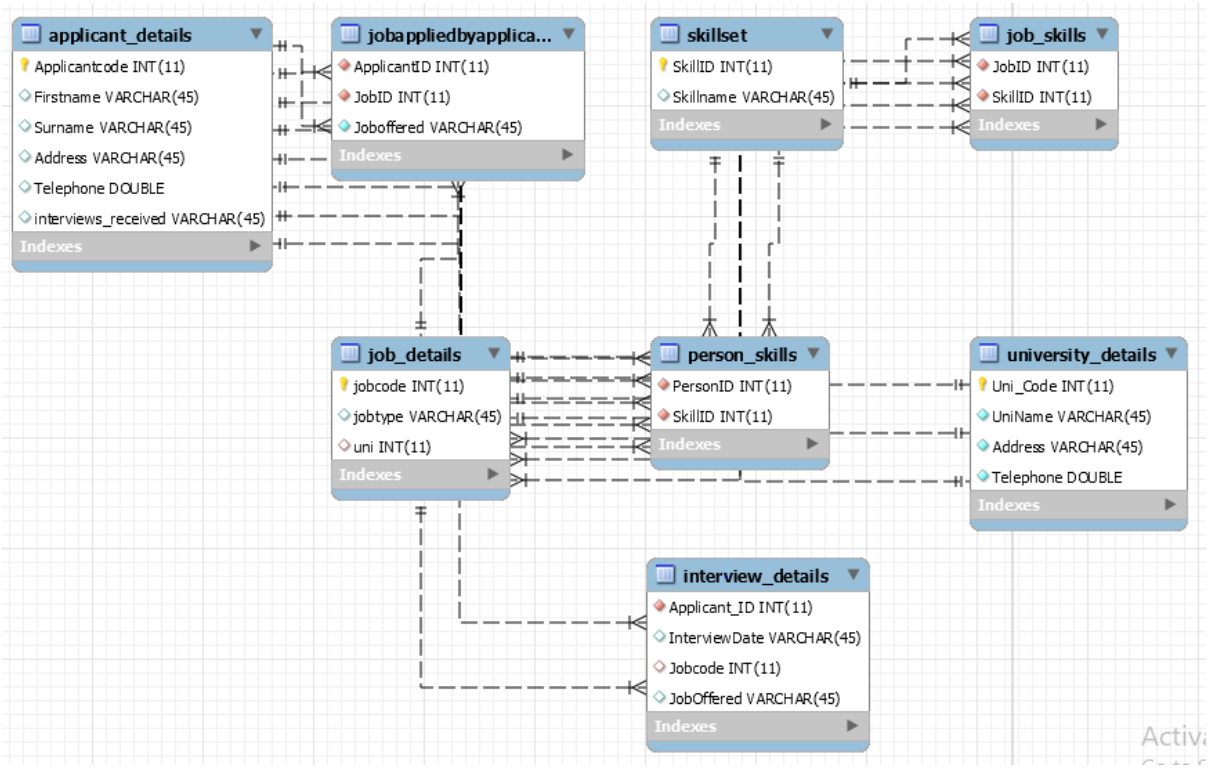
Person_skills – skillID serves as the foreign key to the skillID which is the primary key of the skill set table. (Referenced table)

Job_skills - skillID serves as the foreign key to the skillID which is the primary key of the skill set table. (Referenced table)

Jobappliedbyanapplicant – Job ID is a foreign key to the jobcode in job_details (referenced table) and applicant ID is a foreign key to applicant code in applicant_details (referenced table).

Interview_details – Job ID is a foreign key to the jobcode in job_details (referenced table) and applicant ID is a foreign key to applicant code in applicant_details (referenced table).

ER DIAGRAM:



ASSUMPTIONS MADE:

Certain skills are assigned to an applicant and accordingly, it is checked if that matches with the skills required for the job. If it does, that applicant is offered a job.