1. **Project:** made in Mac OS Mojave 10.14

2. Tables:

- **applicants_details:**

This table stores all the information required on each applicant: applicant_id, name, surname, address, phone. There is no column for skills as the column skills is part of another table called **applicants_skills** (explanation on this table below).

- **universities_details**

This table was created to store all the universities details: uni_id, uni_name, uni_address, contact.

- **skills:**

This table was created to keep the id and name of each skill, so they can be used to link a specific skill to a job as well as to an applicant: skill_id, skill.

- **applicants_skills**

This table was created to store the skills each applicant has, this way one applicant can have more than one skill: applicant_id, skill_id.

- Foreign keys:
    - applicant_id = applicant_id in table: **applicants_details**
        - Cascade on update and delete: there is no need for a row that matches the applicant to a skill if the applicant doesn't exist. And if the applicant is updated, the update should be available for this table as well.
    - skill _id = skill_id in tables: **skill**
        - Cascade on update and delete: there is no need for a row that matches the applicant to a skill if the skill doesn't exist. And if the skill is updated, the update should be available for this table as well.

- **jobs_skills**

This table was created to store all the skills each job requires, this way one job can require more than one skill: job_id, skill_id.

- Foreign keys:
    - job_id = job_id in table: **job_description**
        - Cascade on update and delete: there is no need for a row that matches a skill to a job if the job doesn't exist. And if the job is updated, the update should be available for this table as well.
    - skill_id = skill_id in table: **skills**
        - Cascade on update and delete: there is no need for a row that matches a skill to a job if the skill doesn't exist. And if the skill is updated, the update should be available for this table as well.

- **jobs_description:**

This table has the jobs description: job_id, type_of_job, uni_id. There is no column for skills as the column skills is part of another table called **jobs_skills** (explanation on this table above).

- Foreign keys:
    - Uni_id = uni _d in table: **universities_details**
        - Cascade on update and delete: there is no need for the job to exist if the university doesn't exist (since the university will not be offering that job anymore). And if the university is updated, the update should be available for this table as well.

- **interviews**

This table stores all the information on interviews: interview_id, job_id, applicant_id, stage, interview_date, address, contact_name, contact_number. One University can request many interviews for one job description. One applicant can be invited to many interviews for a specific job description or other job descriptions.

- Foreign keys:
    - job_id = job_id in table **jobs_description**

        - Cascade on update and delete: there is no need for an interview exist if the job doesn't exist. And if the job is updated, the update should be available for this table as well.
    - applicant_id = applicant_id in table: **applicants_details**
        - Cascade on update and delete: there is no need for an interview to exist if the applicant doesn't exist. And if the applicant is updated, the update should be available for this table as well.

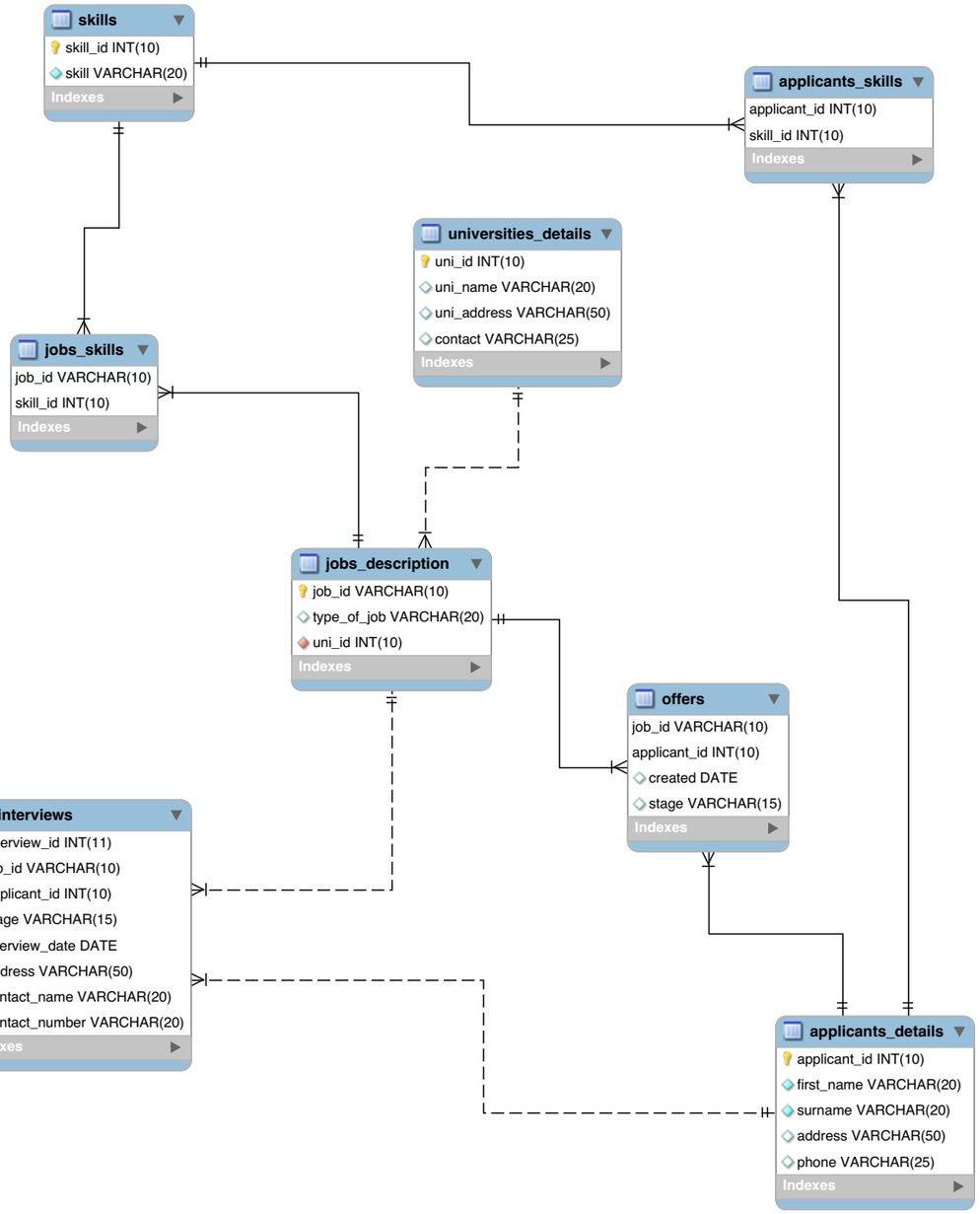
- **offers:**

This table has all the job offers: job_id, applicant_id, created, stage. One University can hire many applicants in relation to a job description. Offers can be on stage: "accepted", "declined", "offered", "not offered".

- Foreign keys:
    - job_id = job_id in table: **jobs_description**
        - Cascade on update and delete: there is no need for an offer to exist if the job doesn't exist. And if the job is updated, the update should be available for this table as well.

    - applicant_id = applicant_id in table: **applicant_details**
        - Cascade on update and delete: there is no need for an offer exist if the applicant doesn't exist. And if the applicant is updated, the update should be available for this table as well.

3. **Foreign Keys:** used "cascade" on update and on delete. This way when a parent table is updated or has data deleted, all the child tables will also be updated or have that row deleted. This makes things easier in case a university, an applicant, a job or a skill is deleted or updated.


skills
skill_id INT(10)
skill VARCHAR(20)
Indexes
applicants_skills
applicant_id INT(10)
skill_id INT(10)
Indexes
universities_details
uni_id INT(10)
uni_name VARCHAR(20)
uni_address VARCHAR(50)
contact VARCHAR(25)
Indexes
jobs_skills
job_id VARCHAR(10)
skill_id INT(10)
Indexes
jobs_description
job_id VARCHAR(10)
type_of_job VARCHAR(20)
uni_id INT(10)
Indexes
offers
job_id VARCHAR(10)
applicant_id INT(10)
created DATE
stage VARCHAR(15)
Indexes
interviews
Interview_id INT(11)
job_id VARCHAR(10)
applicant_id INT(10)
stage VARCHAR(15)
interview_date DATE
address VARCHAR(50)
contact_name VARCHAR(20)
contact_number VARCHAR(20)
Indexes
applicants_details
applicant_id INT(10)
first_name VARCHAR(20)
surname VARCHAR(20)
address VARCHAR(50)
phone VARCHAR(25)
Indexes