

Job Hub

1- Application architecture

The application follows simple MVC where the models are jobs, application and applicant. View is a GUI tool called JavaFX supports .fxml files and those files can easily design them using Scene Builder Application.

Controllers in this project are the implementation of functions GUI needs and uses some models for listing jobs or application in our case.

From the other side, I used MySQL as DBMS with 5 tables: job, job_seeker, recruiter, apply, company. The relations between them appears in ER diagram and Physical diagram.

JDBC is essential for this application to connect to MySQL and uses all possible operations with calling for functions and Stored Procedures found in the database job_hub_db.

2- Data Base modeling

Found in src/main/resources/com/database/models

3- Services and Interface modeling

Screen shots taken and will be found in ScreenShots Folder

But We can summarize the main feature :

- Creating and Account with specific Role (job_seeker or recruiter) and editing it.
- Advanced searching for jobs by title salary location and more.
- Easy apply by double click on a job.
- Recruiters only can post a job opening and specifying all details
- Both can track and review their application if accepted or rejected.

- Only Recruiter can see review their posted job and check if any application receives, from who with his/her CV then he can decide to accept or reject it

4- Implementation and testing

The implementation is an open-source java code .

For testing their will be a small demo videos representing main features and how they will work.

They will be located in DemoVideos.