

MIDDLE EAST TECHNICAL UNIVERSITY
INFORMATICS INSTITUTE



IS 503
DATABASE CONCEPTS AND APPLICATIONS
TERM PROJECT REPORT
2022 – 2023 FALL

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A. PROJECT SCOPE

A company-talent match-making tool, which is named as **Match-Each-Day**, was created for this assignment. Fundamentally, there are two main users of this tool which are “recruiters (companies)” and “talents (applicants)”, respectively. From the applicant point-of-view, the ones who are looking for a new job, who want to see the positions available and who want to attend various events related with their field of specialization can utilize this field at its best. From the recruiter point-of-view, **Match-Each-Day** is the place for the companies who are looking for new blood.

By signing up, talents can create their profile in the application. In their profile, their title and location along with other personal details and contact information can be seen. Moreover, a field where they can upload their resume is also provided in the application (the corresponding database stores the link assigned, i.e. resume link).

Rather like applicants, recruiters also sign up the application with their company name, location and contact number, which are displayed in their profile.

In the application, recruiters can share the positions (type of jobs) they’re looking for to employ. They can set the required skills and the estimated salary for each position. Furthermore, each position must have a related hiring project which the eligible applicants for the position must solve. Each position requires one hiring project. After applicants submit these hiring projects assigned for the positions they have applied, projects are evaluated by the recruiters. The name and the duration of each project is stored in the database along with the results the applicants earned from each.

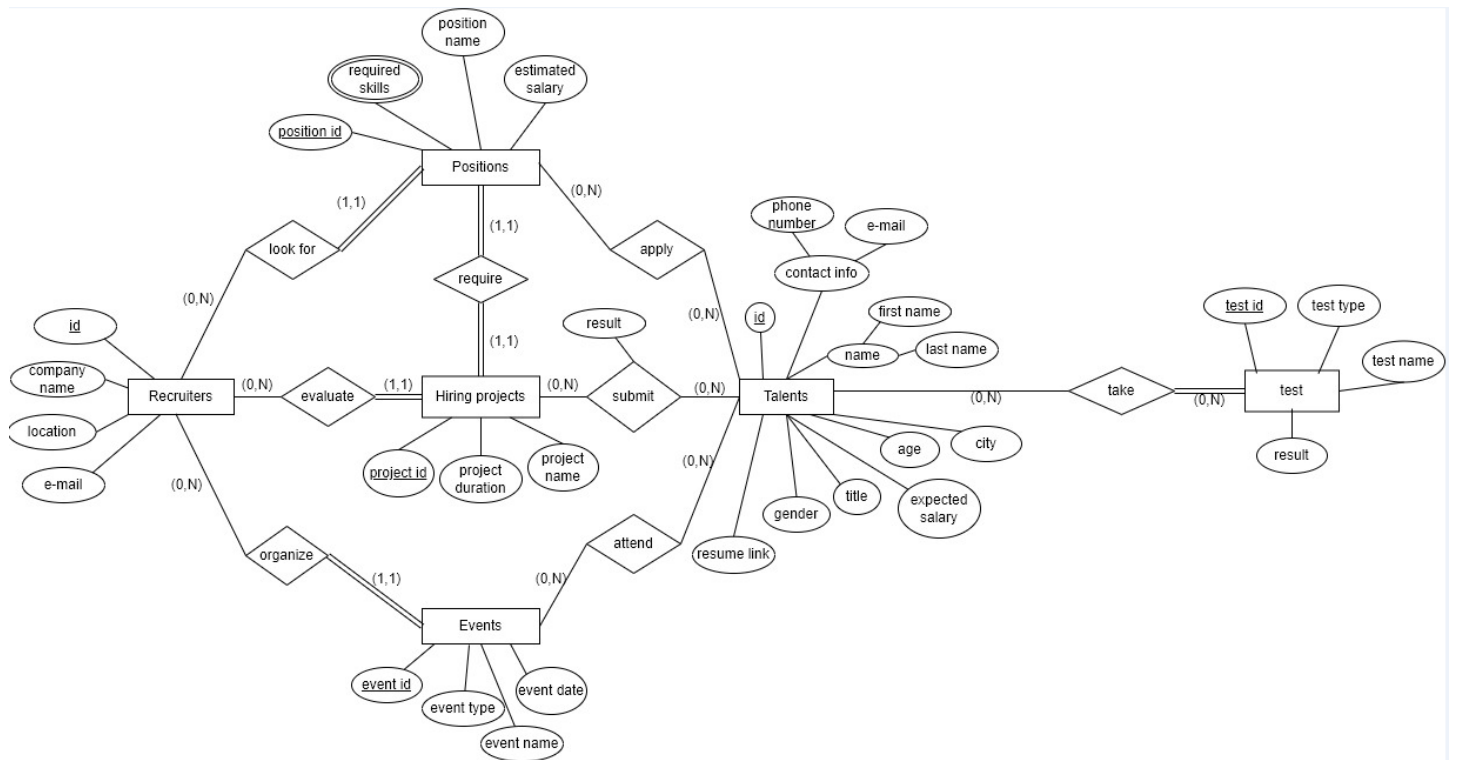
Furthermore, besides sharing positions, recruiters can also organize events related to their field of interest such as hackathons. The type, name and date of each event is stored in the database. The talents can attend any type of event which recruiters organize.

In the application, talents can also take field-related tests provided by the application. It can be thought as the skill assessment tests on LinkedIn. This feature allows the applicants to demonstrate their knowledge on the skills they developed. By completing the tests specific to those skills, the applicants will provide a proof to the recruiters that they acquired the related skills.

All in all, with **Match-Each-Day**, it is aimed to match and unite the talents and recruiters in an efficient and effective way by both through the positions available and the events organized by recruiters. by displaying the critical points for each entity.

B. ER DIAGRAM

Corresponding ER diagram is given below.



C. RELATIONAL MODEL

Corresponding relational model is given on the next page.

