

ASSIGNMENT 6: Implement ER Diagram

Design an ER Diagram for InfoTech's Online Job Application Portal

SOLUTION:

1) Identified Entities

1. USERS
2. EMPLOYER
3. JOBS_POSTED
4. JOBSEEKER_PERSONAL
5. JOBSEEKER_RESUME
6. JOBS_APPLIED

2) Identified Relationships

1. An Employer has many Users
2. An Employer post many Jobs
3. A User has a Personal Details
4. A User has a Resume
5. A Jobseeker can apply for many Jobs
6. An Applied Jobs belongs to Posted Jobs

3) Key Attributes

1. USERS - EmailId
2. EMPLOYER - CompanyId
3. JOBS_POSTED - JobpostId
4. JOBSEEKER_PERSONAL - FirstName
5. JOBSEEKER_RESUME - JobseekerId
6. JOBS_APPLIED – ApplicationId

4) Other Attributes

1. USERS - Password, UserType
2. EMPLOYER - companyname, emailid, mobile, city, industrytype, functionalarea, membershipplan, dateofsignup, dateofrenewal, renewalstatus
3. JOBS_POSTED - companyid, jobpostdate, validity date, joblocation, skillsets, yrsofexp, qualifyingtestscore, jobpostedstatus
4. JOBSEEKER_PERSONAL - lastname, dateofbirth, emailid, mobile, city, state, country, Passportno
5. JOBSEEKER_RESUME - emailid, ug_qualification, pg_qualification, keyskills1, keyskills2, additionalskills, yrsofexp, curremployer, designation, curr_CTC, exp_CTC
6. JOBS_APPLIED - applicationdate, jobtestvaliditydate, Attempt, jobteststatus, jobtestscore, jobtestresult

5) ER Diagram

