



Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Project Name: ANJobs (A Career Management System)

Course No : CSE3104

Course Name : Database Lab

Semester : Fall2022

Submitted To : Mr. Nazmus Sakib & Ms. Marufa Kamal

Submitted By-

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DATABASE TABLES:

Table 01: JobSeeker

Field	Type	Constraint
ApplicantId	Int	P.K(IS: 10001)
FirstName	Varchar(20)	Not Null
LastName	Varchar(20)	Not Null
PhoneNumber	Varchar(11)	Not Null
Email	Varchar(30)	Not Null
Address	Varchar(100)	Not Null

Table 02: Job

Field	Type	Constraint
JobId	Int	P.K(IS:20001)
Title	Varchar(50)	Not Null
Description	Varchar(50)	Not Null
CompId	Int	F.K(Company)
Location	Varchar(50)	Not Null
Salary	Numeric(10,2)	Minimum 0
Requirements	Varchar(50)	Not Null
PostDate	Date	Not Null
Deadline	Date	Not Null
Type	Varchar(50)	Not Null

Table 03: Interview

Field	Type	Constraint
InterviewId	Int	P.K(IS:30001)
ApplicantId	Int	F.K(JobSeeker)
InterviewDate	Date	Not Null
InterviewType	Varchar(50)	Not Null
InterviewerName	Varchar(50)	Not Null
InterviewerEmail	Varchar(50)	Not Null
InterviewerPhone	Varchar(11)	Not Null
Notes	Varchar(200)	Not Null

Table 04: Experience

Field	Type	Constraint
ExperienceId	Int	P.K(IS:40001)
ApplicantId	Int	F.K(JobSeeker)
Company	Varchar(50)	Not Null
Position	Varchar(200)	Not Null
Responsibilities	Varchar(200)	Not Null
StartDate	Date	Not Null
EndDate	Date	Not Null

Table 05: Company

Field	Type	Constraint
CompanyId	Int	P.K(IS:50001)
CompanyName	Varchar(50)	Not Null
Industry	Varchar(50)	Not Null
Location	Varchar(100)	Not Null
Website	Varchar(100)	Not Null
ContactPerson	Varchar(50)	Not Null
ContactEmail	Varchar(30)	Not Null
ContactPhone	Varchar(11)	Not Null

Table 06: Evaluation

Field	Type	Constraint
EvaluationId	Int	P.K(IS:60001)
ApplicantId	Int	F.K(JobSeeker)
JobId	Int	F.K(Job)
ApplicationDate	Date	Not Null
Status	Varchar(100)	Not Null

Table 07: Resume

Field	Type	Constraint
Resumeld	Int	P.K(IS:70001)
ApplicantId	Int	F.K(JobSeeker)
SSC	Varchar(50)	Not Null
HSC	Varchar(50)	Null
Undergraduate	Varchar(50)	Null
Postgraduate	Varchar(50)	Null
Major	Varchar(20)	Null
Skills	Varchar(50)	Not Null
Languages	Varchar(50)	Not Null
Interests	Varchar(50)	Not Null
ExtraCurricular	Varchar(50)	Null

Database Relations:

Relation 01: has

Field	Type	Constraint
ApplicantId	Int	P.K(IS: 10001)
ExperienceId	Int	P.K(IS: 40001)

Relation 02: submits

Field	Type	Constraint
ApplicantId	Int	P.K(IS: 10001)
Resumeld	Int	P.K(IS: 70001)

Relation 03: attends

Field	Type	Constraint
ApplicantId	Int	P.K(IS: 10001)
InterviewId	Int	P.K(IS: 30001)

Relation 04: finds

Field	Type	Constraint
ApplicantId	Int	P.K(IS: 10001)
JobId	Int	P.K(IS: 20001)

Relation 05: provides

Field	Type	Constraint
CompanyId	Int	P.K(IS: 50001)
JobId	Int	P.K(IS: 20001)

Relation 06: does

Field	Type	Constraint
CompanyId	Int	P.K(IS: 10001)
EvaluationId	Int	P.K(IS: 60001)

Entity Relationship Diagram:

