**MAPPING**

**1.ITERATION**

1-)

TRANSCRIPT(transcript\_no,type,taken\_date,gpa)

COLLEGE(college\_id,college\_name,college\_location,college\_phone)

FACULTY(faculty\_id,faculty\_name,faculty\_location,faculty\_phone)

DEPARTMENT(department\_id,department\_phone,department\_name,department\_location)

COURSE(course\_id,course\_name,course\_description)

COMPANY(company\_id,mgr\_id)

COMPANY\_PROFILE(c\_profile\_id,company\_name,comapny\_loc,company\_phone)

USER\_PROFILE(user\_profile\_id,fname,minit,lname,mail,address,phone,sex,bdate)

2-)

3-) 1 to 1

COMPANY(company\_id,mgr\_id,c\_profile\_id) C\_HAS\_PROFILE

4-) 1 TO N

FACULTY(faculty\_id,faculty\_name,faculty\_location,faculty\_phone,faculty\_college\_id) BELONGS

DEPARTMENT(department\_id,department\_phone,department\_name,department\_location,department\_faculty\_id) HAS

COURSE(course\_id,course\_name,course\_description,course\_department\_id) GIVE

TRANSCRIPT(transcript\_no,type,taken\_date,gpa,t\_college\_id) TAKEN\_BY

5-) M to N

VIEW\_PROFILE(user\_profile\_id,user\_viewer\_id)

CONNECT(user\_profile\_id,user\_connect\_id)

6-)

7-)

8-)

8.D.)

DB\_USER(user\_id,username,psswrd,student\_flag,teacher\_flag,worker\_flag,teacher\_degree,sector)

8.A.)

ACHIEVEMENT(achievemet\_id,date,achievement\_type)

TEST\_SCORE(achievemet\_id,score,test\_name)

WILLING\_PROJECT(achievemet\_id,project\_name)

LANGUAGE(achievement\_id,language\_name)

CERTIFICATE(achievement\_id,certificate\_name)

8.A.)

GRADING\_REQ(grading\_req\_id,grading\_type)

QUIZ(grading\_req\_id,quiz\_grade)

PROJECT(grading\_req\_id,project\_grade)

EXAM(grading\_req\_id,exam\_grade)

HOMEWORK(grading\_req\_id,homework\_grade)

9-)

COLLECTION(collection\_id)

POST(post\_id,post\_collection\_id)

JOB\_OFFER(job\_offer\_id,job\_collection\_id,job\_title,job\_location)

**2.ITERATION**

1-)

2-)

PRIVATE\_FILE(file\_id,private\_user\_id,file\_name) UPLOAD

3-) 1 to 1

DB\_USER(user\_id,username,psswrd,student\_flag,teacher\_flag,worker\_flag,teacher\_degree,sector,user\_profile\_id) HAS\_PROFILE

4-) 1 to N

TRANSCRIPT(transcript\_no,type,taken\_date,gpa,t\_college\_id,t\_user\_id) HAS\_TRANS

DB\_USER(user\_id,username,psswrd,student\_flag,teacher\_flag,worker\_flag,teacher\_degree,sector,user\_profile\_id,student\_college\_id) STUDY

DB\_USER(user\_id,username,psswrd,student\_flag,teacher\_flag,worker\_flag,teacher\_degree,sector,user\_profile\_id,student\_college\_id,teacher\_college\_id) WORK

DB\_USER(user\_id,username,psswrd,student\_flag,teacher\_flag,worker\_flag,teacher\_degree,sector,user\_profile\_id,student\_college\_id,teacher\_college\_id,worker\_company\_id,career\_title,start\_date,finish\_date) CAREER

JOB\_OFFER(job\_offer\_id,job\_collection\_id,job\_title,job\_location,job\_offer\_company\_id) OFFERS

COLLECTION(collection\_id,collection\_user\_id) SAVE

GRADING\_REQ(grading\_req\_id,grading\_type,grading\_req\_course\_id) HAS\_CRITERIA

5-) N TO M

LIKE(post\_id,user\_id)

COMMENT(post\_id,user\_id)

SHARE(post\_id,user\_id)

ENROLL(user\_id,course\_id,grade)

TEACH(user\_id,course\_id,year,semester)

ACHIEVE(achievement\_id,user\_id)

APPLY(job\_offer\_id,user\_id)

VIEW(job\_offer\_id,user\_id)

6-)

7-)

8-)

9-)