

طراحی منطقی

- SKILLS(SKILL_NAME,SKILL_TYPE)
- COMPANY(COMPANY_REGISTRATION_ID,ADDR,COMPANY_NAME,INFO_FILE_LOCATION,PHONE_1,PHONE_2,PHONE_3)
- ADVERTISEMENT(COMPANY_REGISTRATION_ID,ADD_ID,INFO_FILE_LOCATION,EXPERIENCE_YR,IS_PART_TIME,WORK_HOURS,BEGINNING_DATE,EXP_DATE)
- ADV_REQUIREMENTS(COMPANY_REGISTRATION_ID,ADD_ID,SKILL_NAME,SKILL_LEVEL)
- ADV_RELATIVE_SKILLS(COMPANY_REGISTRATION_ID,ADD_ID,SKILL_NAME)
- USER(USER_ID,EMAIL_ADD,FIRST_NAME,LAST_NAME,NATIONAL_ID)
- CV(USER_ID,BIRTH_DATE,GENDER,IS_MARRIED,INFO_FILE_LOCATION,ADDR_STATE,ADDR_CITY,ADDR_AREA)
- CV_PHONES(USER_ID,PHONE_NUMBER)
- CV_PROJ_LINKS(USER_ID,URL)
- CV_SKILLS(USER_ID,SKILL_NAME,SKILL_LEVEL)
- CV_EDU_HISTORY(USER_ID,CRS_NAME,ORG_NAME,CERTIFICATE_URL,SCORE)
- CV_WORK_INFO(USER_ID,DESIRED_INCOME,IS_PART_TIME,WORK_HOURS,DESIRED_JOB_TITLE,WORK_EXP_YR,EMPLOYMENT_STATUS)
- CV_WORK_INFO_INTRESTS(USER_ID,SKILL_NAME)

- REQUESTS(USER_ID, COMPANY_REGISTRATION_ID, ADD_ID, STATUS)
- COURSE(COURSE_ID, COURSE_NAME, BEGINNING_DATE, FINISHING_DATE)
- COURSE_SPONSOR(COURSE_ID, COMPANY_REGISTRATION_ID)
- COURSE_MATERIAL_PROVIDER(COURSE_ID, USER_ID, ACCESS_LEVEL)
- COURSE_MATERIAL(COURSE_ID, MATERIAL_ID, FILE_LOCATION, UPLOAD_DATE)
- CRS_PARTICIPANTS(USER_ID, COURSE_ID)
- COURSE_HW(COURSE_ID, HW_TITLE, DEADLINE_DATE, PENALTY_TIME_SEG_HOURS, PENALTY_VALUE, OPENING_DATE, CLOSING_DATE, HW_DESCRIPTION_FILE_LOCATION, FILE_SIZE_LIMIT)
- HW_ACCEPTABLE_FORMATS(COURSE_ID, HW_TITLE, FORMAT_NAME)
- HW_DELIVERY(COURSE_ID, HW_TITLE, USER_ID, DELIVERY_DATE, FILE_LOCATION)
- PROBLEM(PROBLEM_ID, PROBLEM_TITLE, DESCRIPTION_FILE_LOCATION, DIFFICULTY_LEVEL)
- PROBLEM_SKILL(PROBLEM_ID, SKILL_NAME, DIFFICULTY_LEVEL)
- SUBMISSION(SUBMISSION_ID, PROBLEM_ID, USER_ID, SUBMISSION_FILE_LOCATION, SCORE)
- CONTEST(CONTEST_ID, CONTEST_TITLE, DESCRIPTION_FILE_LOCATION, BEGINNING_DATE, ENDING_DATE, IS_PUBLIC)
- CONTEST_PROBLEMS(CONTEST_ID, PROBLEM_ID, SCORE)
- CONTEST_COURSE(COURSE_ID, CONTEST_ID)
- CONTEST_SPONSOR(CONTEST_ID, COMPANY_REGISTRATION_ID)
- CONTEST_PARTICIPANTS(USER_ID, CONTEST_ID, SCORE, RANK)

- ACTIVITY_HISTORY_PROBLEMS(USER_ID, PROBLEM_ID)
- ACTIVITY_HISTORY_CONTEST(USER_ID, CONTEST_ID,
SCORE, RANK)
- NOTIFICATION(NOTIFICATION_ID, CREATION_DATE, TEXT)
- USER_NOTIFICATION(NOTIFICATION_ID, USER_ID)
- NEW_ADD_NOTIF(NOTIFICATION_ID,
COMPANY_REGISTRATION_ID, ADD_ID)
- REQUEST_STATUS_UPDATE(NOTIFICATION_ID, USER_ID,
COMPANY_REGISTRATION_ID, ADD_ID)
- NEW_REQUEST_NOTIF(NOTIFICATION_ID, USER_ID,
COMPANY_REGISTRATIN_ID, ADD_ID)