طراحی منطقی

- SKILLS(SKILL_NAME,SKILL_TYPE)

- COMPANY(COMPANY_REGISTARY_ID,ADDR,COMPANY_NAME,
  INFO_FILE_LOCATION, PHONE_1,PHONE_2,PHONE_3)

- ADVERTISEMENT(COMPANY_REGISTARY_ID, ADD_ID,
  INFO_FILE_LOCATION, EXPERIENCE_YR,IS_PART_TIME,
  WORK_HOURS, BEGINNING_DATE, EXP_DATE)

- ADV_REQUIREMENTS(COMPANY_REGISTARATION_ID, ADD_ID, SKILL_NAME,
  SKILL_LEVEL)

- ADV_RELATIVE_SKILLS(COMPANY_REGISTARY_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,
  CERTIFATE_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(<u>USER_ID, COMPANY_REGISTARY_ID, ADD_ID</u>, STATUS)

- COURSE(<u>COURSE_ID</u>, COURSE_NAME, BEGINNING_DATE, FINISHING_DATE)

- COURSE_SPONSOR(<u>COURSE_ID, COMPANY_REGISTARATION_ID</u>)

- COURSE_MATERIAL_PROVIDER(<u>COURSE_ID, USER_ID</u>, ACCESS_LEVEL)

- COURSE_MATERIAL(<u>COURSE_ID, FILE_LOCATION</u>, UPLOAD_DATE)

- COURSE_HW(<u>COURSE_ID, HW_TITLE</u>, DEADLINE_DATE, PENALTY_TIME_SEG_HOURS, PENALTY_VALUE, OPENING_DATE, CLOSING_DATE, HW_DESCRIPTION_FILE_LOCATION, FILE_SIZE_LIMIT)

- HW_ACCEPTABLE_FORMATS(<u>COURSE_ID, HW_TITLE, FORMAT_NAME</u>)

- HW_DELIVERY(<u>COURSE_ID, HW_TITLE, USER_ID</u>, DELIVARY_DATE, FILE_LOCATION)

- PROBLEM(<u>PROBLEM_ID</u>, PROBLEM_TITLE, DESCRIPTION_FILE_LOCATION, DIFFICULTY_LEVEL)

- PROBLEM_SKILL(<u>PROBLEM_ID, SKILL_NAME</u>, DIFFICULTY_LEVEL)

- CONTEST(<u>CONTEST_ID</u>, CONTEST_TITLE, DESCRIPTION_FILE_LOCATION, BEGINNING_DATE, ENDING_DATE, IS_PUBLIC)

- CONTEST_PROBLEMS(<u>CONTEST_ID, PROBLEM_ID</u>, SCORE)

- CONTEST_COURSE(<u>COURSE_ID, CONTEST_ID</u>)

- CONTEST_SPONSOR(<u>CONTEST_ID, COMPANY_REGISTARATION_ID</u>)

- USER_ACTIVITY_HISTORY(<u>USER_ID</u>)

- ACTIVITY_HISTORY_PROBLEMS(<u>USER_ID, PROBLEM_ID</u>)

- ACTIVITY_HISTORY_CONTEST(<u>USER_ID, CONSTEST_ID</u>, SCORE, RANK)

- NOTIFICATION(<u>NOTIFICATION_ID</u>, CREATION_DATE, TEXT)

- USER_NOTIFICATION(<u>NOTIFICATION_ID</u>, USER_ID)

- NEW_ADD_NOTIF(<u>NOTIFICATION_ID</u>, COMPANY_REGISTARY_ID, ADD_ID)

- REQUEST_STATUS_UPDATE(<u>NOTIFICATION_ID</u>, USER_ID, COMPANY_REGISTARY_ID, ADD_ID)

- NEW_REQUEST_NOTIF(<u>NOTIFICATION_ID</u>,USER_ID, COMPANY_REGISTARY_ID, ADD_ID, COMPANY_REGISTARATION_ID)