Schema

Foreign Keys will be represented by this Font & REDDISH COLOR

COMPANY(domain, name, email, address, type, vision, specialization**)**

COMPANYPHONE(company**, phone)**
    COMPANYPHONE.company references COMPANY

DEPARTMENT(code, company**,** name**)**
    DEPARTMENT.company references COMPANY

JOB(title, department, company, HrUsername, shortDescription, detailedDescription, workingHours, minYearsOfExperience, salary, vacancies, deadline**)**
    JOB.(department, company) references DEPARTMENT,
    JOB.HrUsername references HREMPLOYEE.username

QUESTION(NUMBER, question, answer**)**

JOB_HAS_QUESTION(title, department, company, Number**)**
    Job_has_Question.(title, department, company) references JOB,
    Job_has_Question.Number references QUESTION.Number

USER(username, password, email, birthdate, age, firstName, middleName, lastName, yearsOfExperience**)**
    Where USER.age = current date - USER.birthdate

USERPREVOUISJOBTITLE(username**, title)**
    USERPREVOUISJOBTITLE.username references USER.username

APPLICANT(username**)**
    APPLICANT.username references USER.username

APPLICATION(ID, title, department, company, AppUsername, HrUsername, MangUsername**,** managerStatus , score, HRStatus**)**
    APPLICATION.(title, department, company) references JOB,
    APPLICATION.AppUsername references APPLICANT.username,
    APPLICATION.HrUsername references HREMPLOYEE.username
    APPLICATION.MangUsername references MANAGER.username,

STAFFMEMBER(<u>username, title, department, company,</u> companyEmail, salary, dayOff, annualLeaves**)**
    STAFFMEMBER.username references USER.username,
    STAFFMEMBER.(title, department, company) references JOB

ATTENDANCE(<u>**date,** username,</u> timeOfStart, timeOfLeave**)**
    ATTENDANCE.username references STAFFMEMBER.username

EMAIL(<u>**ID,**</u> subject, body, timeStamp**)**

SEND(<u>ID, usernameReceiver, usernameSender</u>**)**
    SEND.ID references EMAIL.ID
    SEND.usernameSender references STAFFMEMBER.username,
    SEND.usernameReceiver references STAFFMEMBER.username

HREMPLOYEE(<u>username</u>**)**
    HREMPLOYEE.username references STAFFMEMBER.username

MANAGER(<u>username</u>, type**)**
    MANAGER.username references STAFFMEMBER.username

REGULAREMPLOYEE(<u>username</u>**)**
    REGULAREMPLOYEE.username references STAFFMEMBER.username

ANNOUNCEMENT(<u>**ID**</u>, HrUsername**,** title, date, type, description**)**
    ANNOUNCEMENT.HrUsername references HREMPLOYEE.username

REQUEST(<u>**StartDate**, username, HrUsername</u>**,** requestDate, endDate, leaveDays, HRStatus**)**
    REQUEST.username references STAFFMEMBER.username,
    REQUEST.HrUsername references HREMPLOYEE.username,
    Where REQUEST.leaveDays = REQUEST.endDate - REQUEST.startDate

BUSINESSTRIP(<u>StartDate, username</u>, destination, purpose**)**
    BUSINESSTRIP.(StartDate, username) references REQUEST

LEAVE(<u>StartDate, username</u>, type**)**
    LEAVE.(StartDate, username) references REQUEST

REQUESTHRREPLACE(StartDate, username, usernameReplacing)
REQUESTHRREPLACE.(StartDate, username) references REQUEST,
REQUESTHRREPLACE.usernameReplacing references HREMPLOYEE.username

REQUESTMANGREPLACE(StartDate, username, usernameReplacing)
REQUESTMANGREPLACE.(StartDate, username) references REQUEST,
REQUESTMANGREPLACE.usernameReplacing references MANAGER.username

REQUESTREGEREPLACE(StartDate, username, usernameReplacing)
REQUESTREGEREPLACE.(StartDate, username) references REQUEST,
REQUESTREGEREPLACE.usernameReplacing references REGULAREMPLOYEE.username

MANAGERREQUESTREVIEW(StartDate, username, MangUsername, reason, managerStatus)
MANAGERREQUESTREVIEW.(StartDate, username) references REQUEST,
MANAGERREQUESTREVIEW.MangUsername references MANAGER.username

PROJECT(**name**, Company, MangDefineUsername, startDate, endDate)
PROJECT.Company references COMPANY
PROJECT.MangDefineUsername references MANAGER.username

PROJECTASSIGNMENT(projectName, Company, RegEUsername, MangUsername)
PROJECTASSIGNMENT.(projectName, Company) references PROJECT,
PROJECTASSIGNMENT.MangUsername references MANAGER.username,
PROJECTASSIGNMENT.RegEUsername references REGULAREMPLOYEE.username

TASK(**name,** projectName, Company, RegEUsername, MangUsername, description, status, deadline) < < < < < < < < <
TASK.(projectName, Company) references PROJECT,
TASK.MangUsername references MANAGER.username,
TASK.RegEUsername references REGULAREMPLOYEE.username

COMMENT(ID, name, projectName, Company, username, **content**)
COMMENT.(name, projectName, Company) references TASK,
COMMENT.username references STAFFMEMBER.username