Schema

Foreign keys will be represented by this reddish color.

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

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

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

JOB(jobID, code, domain, , HRusername title, shortDescription, detailedDescription, work-ingHours, minYearsOfExperience, salary, vacancies, deadline**)**
 JOB.(code,domain) references DEPARTMENT,
JOB.HRusername references HREMPLOYEE.username

INTERVIEW(QUESTION, jobID answer**)**
  INTERVIEW. jobID references JOB.jobID

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

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

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

APPLICATION(ID, jobID, Appusername, Hrusername,score, HRStatus**)**
  APPLICATION.jobID references JOB.jobid,
 APPLICATION.Appusername references APPLICANT.username
APPLICATION.Hrusername references HREMPLOYEE.username

ACCEPTED(ID, jobID, Appsername ,Manusername,managerstatus**)**
  ACCEPTED.Manusername references MANAGER.username
  ACCEPTED.(ID,jobID,Appusername) references Application
 Constraint :Accepted is an attribute defined relation:APPLICATION.HRStatus

REJECTED(ID, jobID, Appsername**)**
Rejected.(ID,jobID,Appusername) references Application
 Constraint :Rejected is an attribute defined relation:APPLICATION.HRStatus

STAFFMEMBER(username, code,domain companyEmail, salary, dayOff, annualLeaves**)**
  STAFFMEMBER.username references USER.username,
 STAFFMEMBER.(code,domain) references DEPARTMENT

ATTENDANCE(username, **date,** timeOfStart, timeOfLeave**)**
  ATTENDANCE.username references STAFFMEMBER.username

EMAIL(ID, subject, body, timeStamp**)**

SEND(ID, usernameReceiver , usernameSender**)**
 SEND.usernamesender references STAFFMEMBER.username,
SEND.ID references EMAIL.ID,
SEND.usernamereceiver references STAFFMEMBER.username

REQUEST(ReqNum, username, HRusername requestDate, startDate, endDate,
leaveDays,Hrstatus, ManStatus**)**
  REQUEST.username references STAFFMEMBER.username,
  REQUEST.HRusername references HREMPLOYEE.username,
    Where REQUEST.leaveDays = REQUEST.startDate - REQUEST.endDate

MANAGERREQUESTREVIEW(ReqNum, username, usernameMang,reason)
  MANAGERREQUESTREVIEW.(ReqNum,username) references REQUEST,
 MANAGERREQUESTREVIEW.usernameMang references MANAGER.username

BUSINESSTRIP(ReqNum, username, destination, purpose**)**
  BUSINESSTRIP.(ReqNum, username,) references REQUEST

LEAVE(ReqNum, username, type**)**
  LEAVE.(ReqNum,username) references REQUEST

HREMPLOYEE(username**)**
  HREMPLOYEE.username references STAFFMEMBER.username

REQUESTHRREPLACE(ReqNum, username, usernameReplacing**)**
  REQUESTHRREPLACE.(ReqNum,username) references REQUEST,
  REQUESTHRREPLACE.usernameReplacing references HREMPLOYEE.username

ANNOUNCEMENT(ID, title, date, type, description, username**)**
  ANNOUNCEMENT.username references HREMPLOYEE.username

MANAGER(username, type**)**
  MANAGER.username references STAFFMEMBER.username

REQUESTMANGREPLACE(ReqNum, username, usernameReplacing**)**
  REQUESTMANGREPLACE.(ReqNum,username) references REQUEST,
REQUESTMANGREPLACE.usernameReplacing references MANAGER.username

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

REQUESTREGEREPLACE(<u>ReqNum, username, usernameReplacing</u>**)**
  REQUESTREGEREPLACE.(ReqNum,username) references REQUEST
 REQUESTREGEREPLACE.usernameReplacing references REGULAREMPLOYEE.username

PROJECT(<u>**name**</u>, Mandefineusername, startDate, endDate**)**
  PROJECT. Mandefineusername references MANAGER.username

PROJECTASSIGNMENT(<u>projName, usernameRegE, usernameMang</u>**)**
ProjectAssignment.projName references PROJECT.name,
ProjectAssignmen.usernameRegE references REGULAREMPLOYEE.username,
ProjectAssignmen.usernameMang references MANAGER.username

TASK(<u>**name**</u>, <u>ProjectName</u>, description, status, comments, deadline, usernameMang, usernameRegE**)**
 TASK.projectName references PROJECT.name,
TASK.usernameMang references MANAGER.username,
TASK.usernameRegE references REGULAREMPLOYEE.username

COMMENT(<u>**id**</u>,name, ProjectName ,username,content)
COMMENT.(name,ProjectName) references Task
COMMENT.username references STAFFMEMBER.USERNAME