

Job_Seeeker(username, password, personal_email, birth_date, first_name, middle_name, last_name, age, experience_years)

where: Job_Seeeker.age = current_date - Job_Seeeker.birth_date

Staff_member(username, password, personal_email, birth_date, first_name, middle_name, last_name, age, salary, company_email, day_off, total_no_of_leaves, , experience_years, Department_code, Department_Company, Job)

where: Staff_member.age = current_date - Staff_member.birth_date

Staff_member(Department_code, Department_Company) *references* Department
Staff_member.Job *references* Job.Jid

Staff_member_previous_jobs(Staff_member, previous_job_titles)

Staff_member_previous_jobs.Staff_member *references* Staff_member.username

Job_seeker_previous_jobs(Job_seeker, previous_job_titles)

Job_seeker_previous_jobs.Job_seeker *references* Job_Seeeker.username

HR_employee(username)

HR_employee.username *references* Staff_member.username

Manager(username, type)

Manager.username *references* Staff_member.username

Regular_employee(username)

Regular_employee.username *references* Staff_member.username

Employee_assignment(Manager, Employee, project_company, project_name)

Employee_assignment.Manager *references* Manager.username

Employee_assignment.Employee *references* Regular_employee.username

Employee_assignment.(project_company, project_name) *references* Project

Project(company, name, start_date, end_date, defining_Manager)

Project.defining_Manager *references* Manager.username

Project.company *references* Company_profile.email

Task(name, company, project, description, deadline, Employee, defining_Manager,
status, comment)

Task.defining_Manager *references* Manager.username

Task.Employee *references* Regular_employee.username

Task.(company, project) *references* Project

Application(applicant, Aid, score, status, checking_HR_employee,
job)

Application.applicant *references* Job_Seeeker.username

Application.checking_HR_employee *references* HR_employee.username

Application.Job *references* Job.Jid

Accepted_applications(applicant, Aid, checking_manager, manager_response)

Accepted_applications(applicant, Aid) *references* Application

Accepted_applications.checking_manager *references* Manager.username

Accepted_applications is a predicate-defined relation: Application.status

Job(Jid, title, short_description, detailed_description, number_of_vacancies,
application_deadline, salary, working_hours, minimum_experience_years)

Job_create(Jid, Department_code, Department_Company,

HR_employee)

Job_create.Jid *references* Job.Jid

Job_create(Department_code, Department_Company) *references* Department

Job_create.HR_employee *references* HR_employee.username

Interview_questions(Qid, question, answer, Job)

Interview_questions.Job *references* Job.Jid

Company_profile(email, name, address, domain_name, type, vision ,
field_of_spec)

phone_num(email,num)

phone_num.email *references* Company_profile.email

Department(Company_code, name)

Department.Company *references* Company_profile.email

Announcement (annID, type, description, title, date, company, maker)

Announcement.Company *references* Company_profile.email

Announcement.maker *references* HR_employee.username

Attendance (staffID, date, start_time, end_time)

Attendance.staffID *references* Staff_member.username

HR_checks_Attendance(HRID, staffID, date)

HR_checks_Attendance.HRID *references* HR_employee.username

HR_checks_Attendance(staffID,date) *references* Attendance

send_email(sender, recipient, timestamp, body, subject)

send_email.sender *references* Staff_member.username

send_email.recipient *references* Staff_member.username

Request(Rid, start_date, end_date, total_no_of_leaves, request_date,
replacement_employee, staff_Member, manager_reviewed_by, hr_approving,

HR_status, reason)

where: total_no_of_leaves = end_date - start_date

Request. hr_approving *references* HR_employee.username

Request.replacement_employee *references* Staff_Member.username

Request.staff_Member *references* Staff_Member.username

Request.reviewed_by *references* Manager.username

LeaveRequest(Rid,type)

LeaveRequest.Rid *references* Request.Rid

BuisnussRequest(Rid, trip_destination, purpose)

BuisnussRequest.Rid *references* Request.Rid