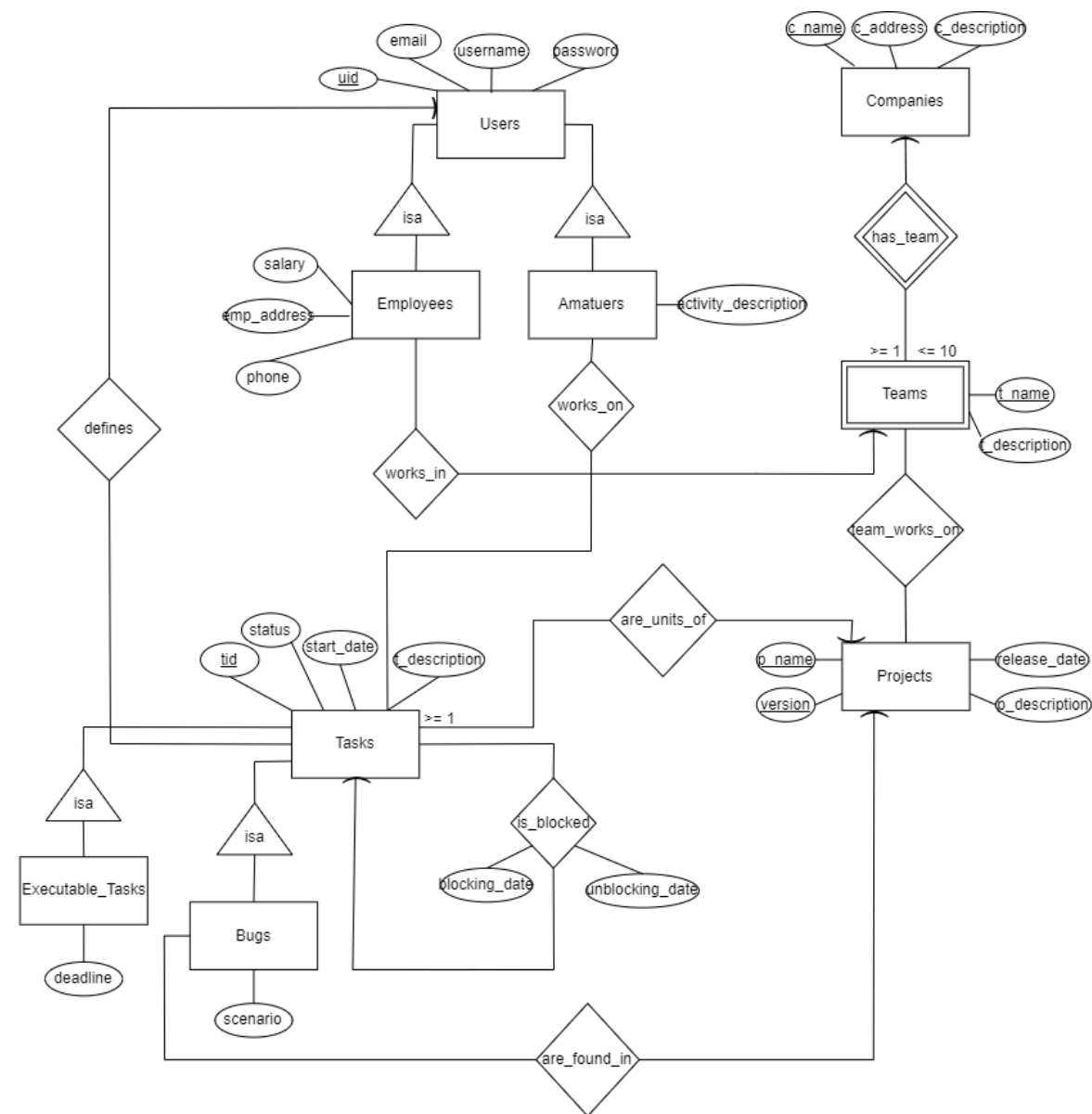# Бази от данни - практикум

Тема No 21 – Управление на проекти

Изготвил: Петя Личева

Факултетен номер: 3MI0700022

E/R диаграма на модела

Релационни схеми

Users (<u>uid</u>: int (>= 0), email: string (320), username: string (10), password: string (64))

Users_Employees (<u>uid</u>: int (> 0), email: string (320), username: string (10), password: string (64), salary: double (> 0.0), emp_address: string (100), phone: string (>= 10 && <= 13), team_id: int (> 0))

Users_Amateurs (<u>uid</u>: int (> 0), email: string (320), username: string (10), password: string (64), activity_description: string (350))

Tasks (<u>tid</u>: int (> 0), status: string (10 – unfinished), start_date: date (>= 01.01.2023), tdescription: string (350), uid: int (> 0), project_id: int (> 0), btid: int (> 0))

Executables (<u>tid</u>: int (> 0), deadline: date (>= 01.01.2023))

Bugs (<u>tid</u>: int (> 0), scenario: string (600), project_id: int (> 0), blocking_date: date (>= 01.01.2023), unblocking_date: date (>= blocking_date))

Companies (<u>cid</u>: int (> 0), cname: string (50), caddress: string (100), cdescription: string (500))

Teams (<u>team_id</u>: int (> 0), cid: int (> 0), tname: string (50), tdescription: string (350))

Projects (<u>project_id</u>: int (> 0), pname: string (50), version: string (20), release_date: date (>= 01.01.2023), pdescription: string (350))

WorksOn (<u>uid</u>: int (> 0), <u>tid</u>: int (> 0))

TeamsWorkOn (<u>team_id</u>: int (> 0), <u>project_id</u>: int (> 0))
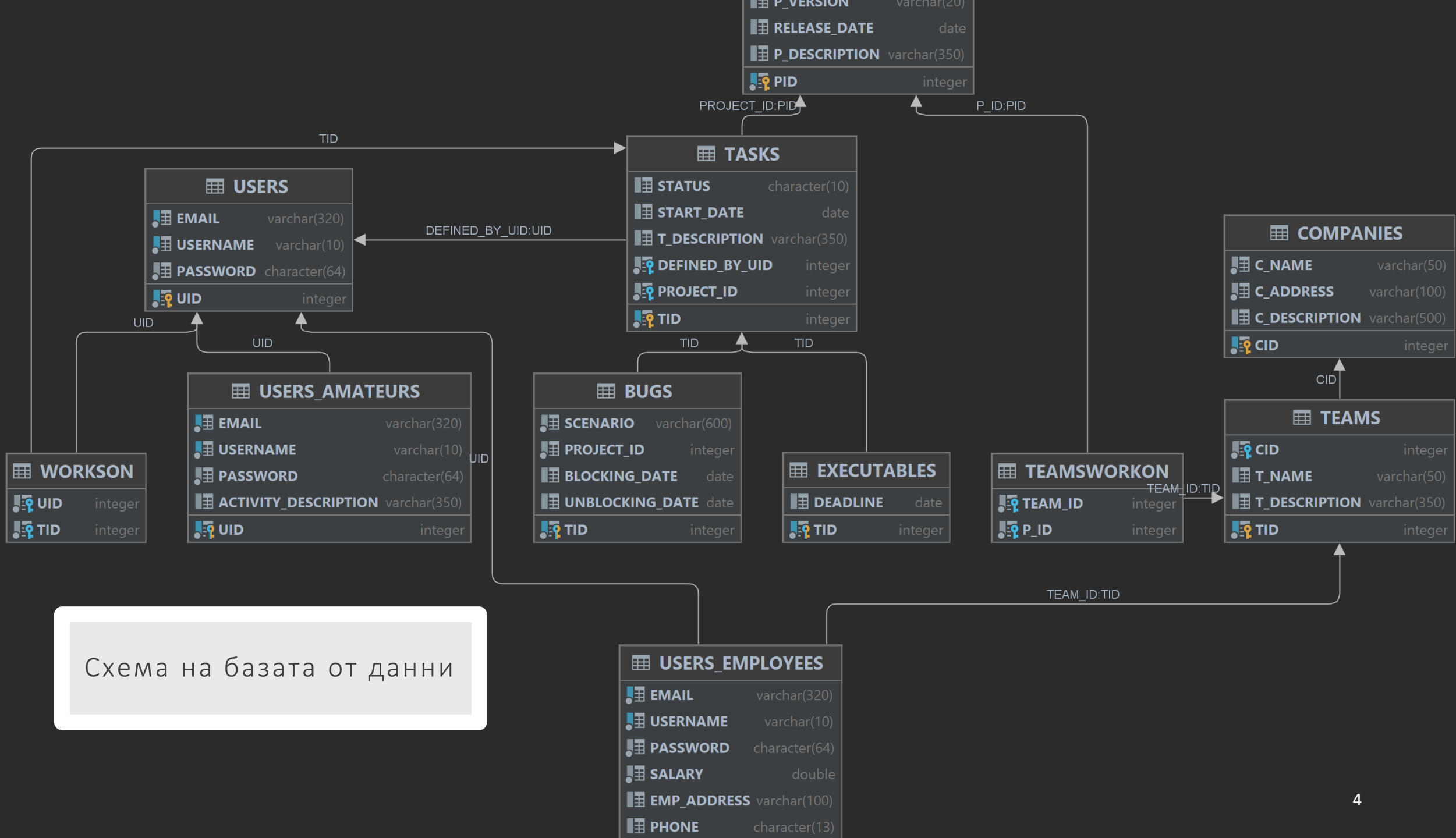
Схема на базата от данни

```sql
CREATE VIEW "Employees" AS
SELECT FN3MI0700022.USERS_EMPLOYEES.EMAIL,
       FN3MI0700022.USERS_EMPLOYEES.USERNAME,
       FN3MI0700022.USERS_EMPLOYEES.EMP_ADDRESS,
       FN3MI0700022.USERS_EMPLOYEES.PHONE,
       FN3MI0700022.USERS_EMPLOYEES.SALARY,
       FN3MI0700022.TEAMS.T_NAME,
       FN3MI0700022.COMPANIES.C_NAME
FROM FN3MI0700022.USERS_EMPLOYEES, FN3MI0700022.TEAMS, FN3MI0700022.COMPANIES
WHERE FN3MI0700022.USERS_EMPLOYEES.TEAM_ID = FN3MI0700022.TEAMS.TID AND
      FN3MI0700022.TEAMS.CID = FN3MI0700022.COMPANIES.CID;


SELECT * FROM "Employees" WHERE C_NAME = 'Nexus Dynamics';
```

Views

Views

```
CREATE VIEW "Tasks" AS
SELECT * FROM FN3MI0700022.EXECUTABLES
WHERE DEADLINE > CURRENT_DATE;


SELECT * FROM "Tasks";
DROP VIEW "Tasks";
```

```
select * from FN3MI0700022.BUGS
where BUGS.UNBLOCKING_DATE > BUGS.BLOCKING_DATE
```

Views

Приложение за достъп до базата

Приложение за достъп до базата