

Abstract geometric lines in the top left corner of the page, consisting of several overlapping, irregular polygons and lines in black.

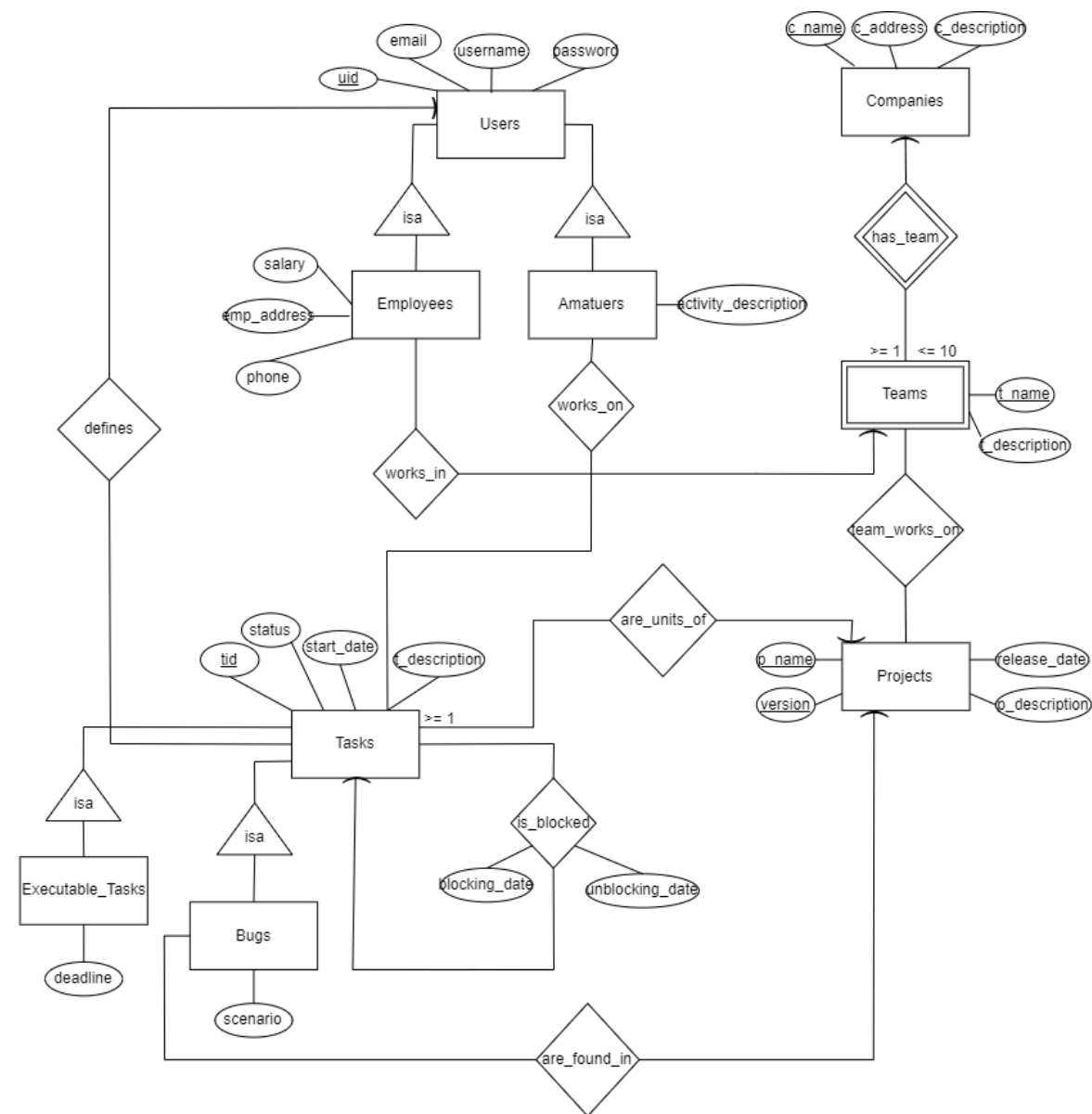
# Бази от данни - практикум

Тема No 21 – Управление на проекти

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Факултетен номер: 3MI0700022

# E/R диаграма на модела



# Релационни схеми

***Users*** (uid: int ( $\geq 0$ ), email: string (320), username: string (10), password: string (64))

***Users\_Employees*** (uid: int ( $> 0$ ), email: string (320), username: string (10), password: string (64), salary: double ( $> 0.0$ ), emp\_address: string (100), phone: string ( $\geq 10 \ \&\& \leq 13$ ), team\_id: int ( $> 0$ ))

***Users\_Amateurs*** (uid: int ( $> 0$ ), email: string (320), username: string (10), password: string (64), activity\_description: string (350))

***Tasks*** (tid: int ( $> 0$ ), status: string (10 – unfinished), start\_date: date ( $\geq 01.01.2023$ ), tdescription: string (350), uid: int ( $> 0$ ), project\_id: int ( $> 0$ ), btid: int ( $> 0$ ))

***Executables*** (tid: int ( $> 0$ ), deadline: date ( $\geq 01.01.2023$ ))

***Bugs*** (tid: int ( $> 0$ ), scenario: string (600), project\_id: int ( $> 0$ ), blocking\_date: date ( $\geq 01.01.2023$ ), unblocking\_date: date ( $\geq$  blocking\_date))

***Companies*** (cid: int ( $> 0$ ), cname: string (50), caddress: string (100), cdescription: string (500))

***Teams*** (team\_id: int ( $> 0$ ), cid: int ( $> 0$ ), tname: string (50), tdescription: string (350))

***Projects*** (project\_id: int ( $> 0$ ), pname: string (50), version: string (20), release\_date: date ( $\geq 01.01.2023$ ), pdescription: string (350))

***WorksOn*** (uid: int ( $> 0$ ), tid: int ( $> 0$ ))

***TeamsWorkOn*** (team\_id: int ( $> 0$ ), project\_id: int ( $> 0$ ))

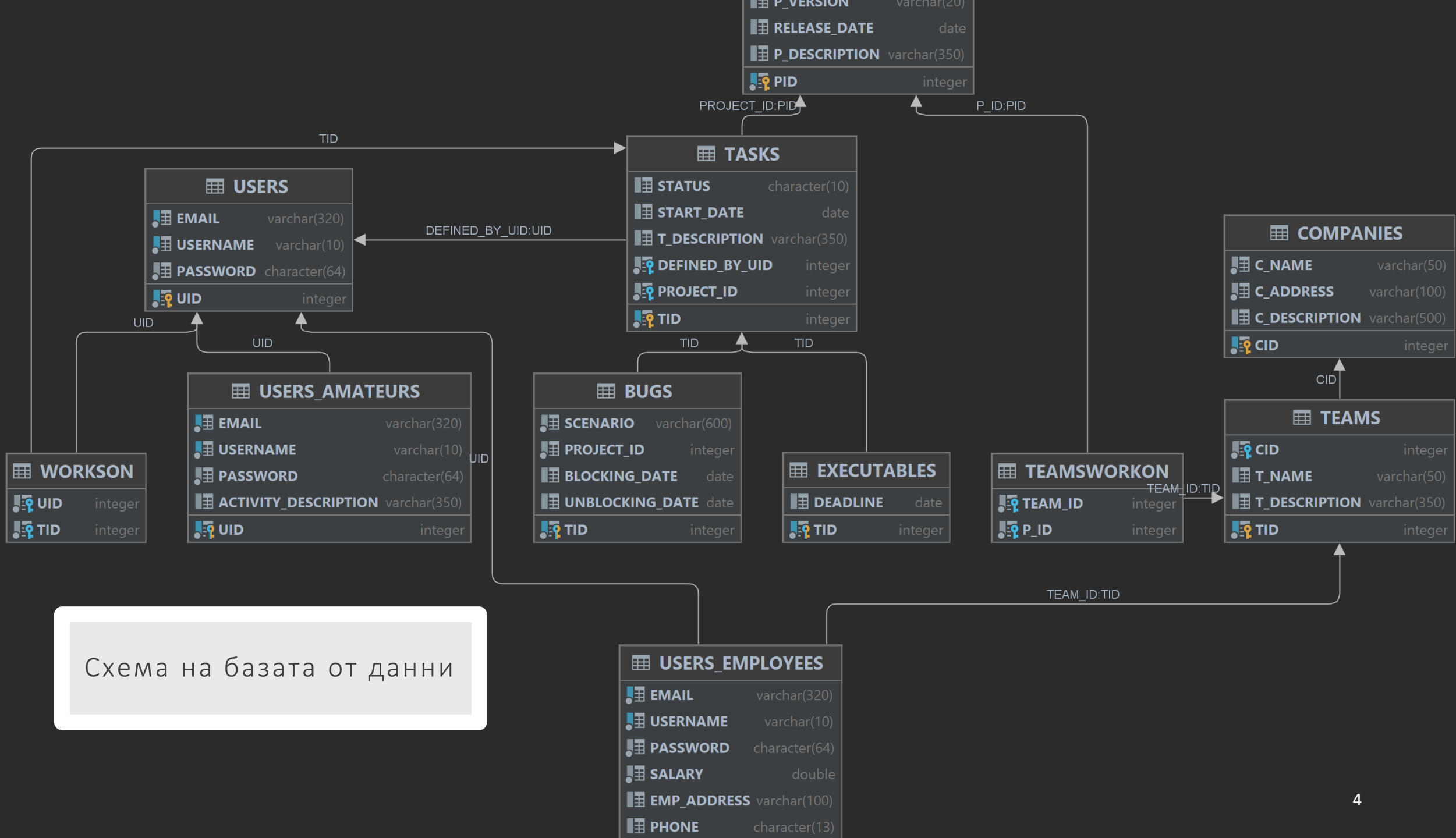


Схема на базата от данни

```
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

```
UID  EMAIL  USERNAME  PASSWORD
6    tempuser999@gmail.com  jollyjane  letmein321
7    phantomemail@protonmail.com  boldbob  mydogspot29
8    unrealaddress@yahoo.com  crazykyle  8675309jk
9    fictionalaccount@gmail.com  happyharry  flymetothemoon
10   unrealuser23@outlook.com  zippyzoie  abcde12345
11   21 someone@gmail.com  someone  myPass!123
```

ProjectManagementApp

Choose a command to be executed!

MENU:

1. SELECT
2. INSERT
3. DELETE
4. EXIT

INSERT

someone@gmail.com

someone

myPass!123

INSERT INTO FN3MI0700022.USERS (EMAIL, USERNAME, PASSWORD) VALUES ('someone@gmail.com','someone','myPass!123')

Successfully inserted!

```
Welcome to Project Management DataBase!
Choose a command to be executed!
MENU:
1. SELECT
2. INSERT
3. DELETE
4. EXIT
```

SELECT

1	fakeemail1@yahoo.com	coolguy56	abcd1234
2	wtpfakeemail@gmail.com	hotsauce	qwertyuiop
3	notreal@email.co.uk	lilypad44	password123
4	dummyaddress@outlook.com	speedy423	ilovemom1
5	fictitiousemail@yahoo.com	cloudberry	123456789

# Приложение за достъп до базата

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```
Welcome to Project Management DataBase!  
Choose a command to be executed!  
MENU:  
1. SELECT  
2. INSERT  
3. DELETE  
4. EXIT  
  
DELETE  
someone  
DELETE FROM FN3MI0700022.USERS WHERE FN3MI0700022  
Successfully deleted!
```

```
Welcome to Project Management DataBase!  
Choose a command to be executed!  
MENU:  
1. SELECT  
2. INSERT  
3. DELETE  
4. EXIT  
  
EXIT  
  
Process finished with exit code 0  
|
```

# Приложение за достъп до базата

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