

Abstract geometric lines forming various polygons and shapes in the top left corner of the page.

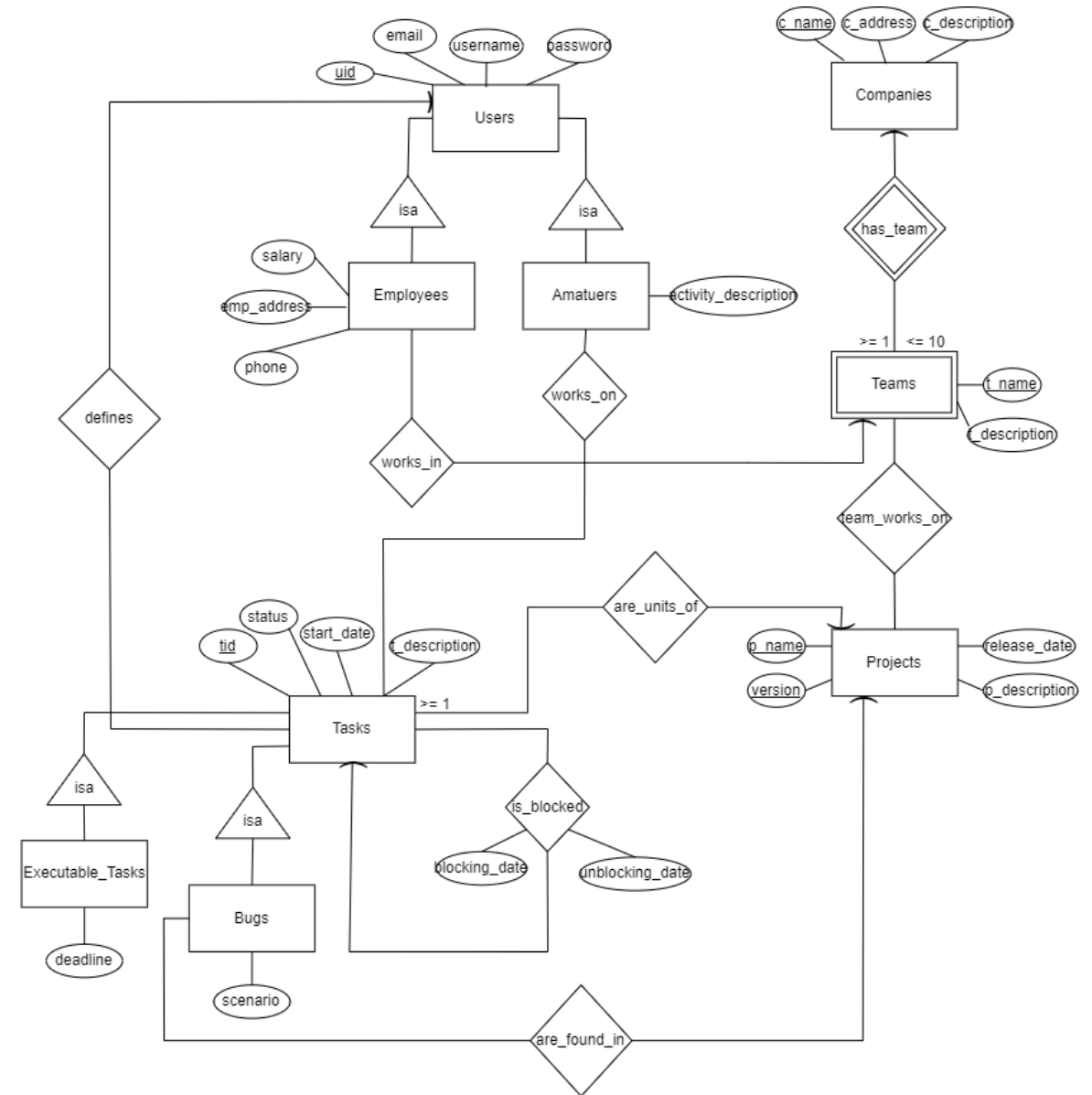
Бази от данни - практикум

Тема No 21 – Управление на проекти

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Факултетен номер: 3MI0700022

E/R диаграма на модела



Релационни схеми

Users (uid: int (≥ 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))

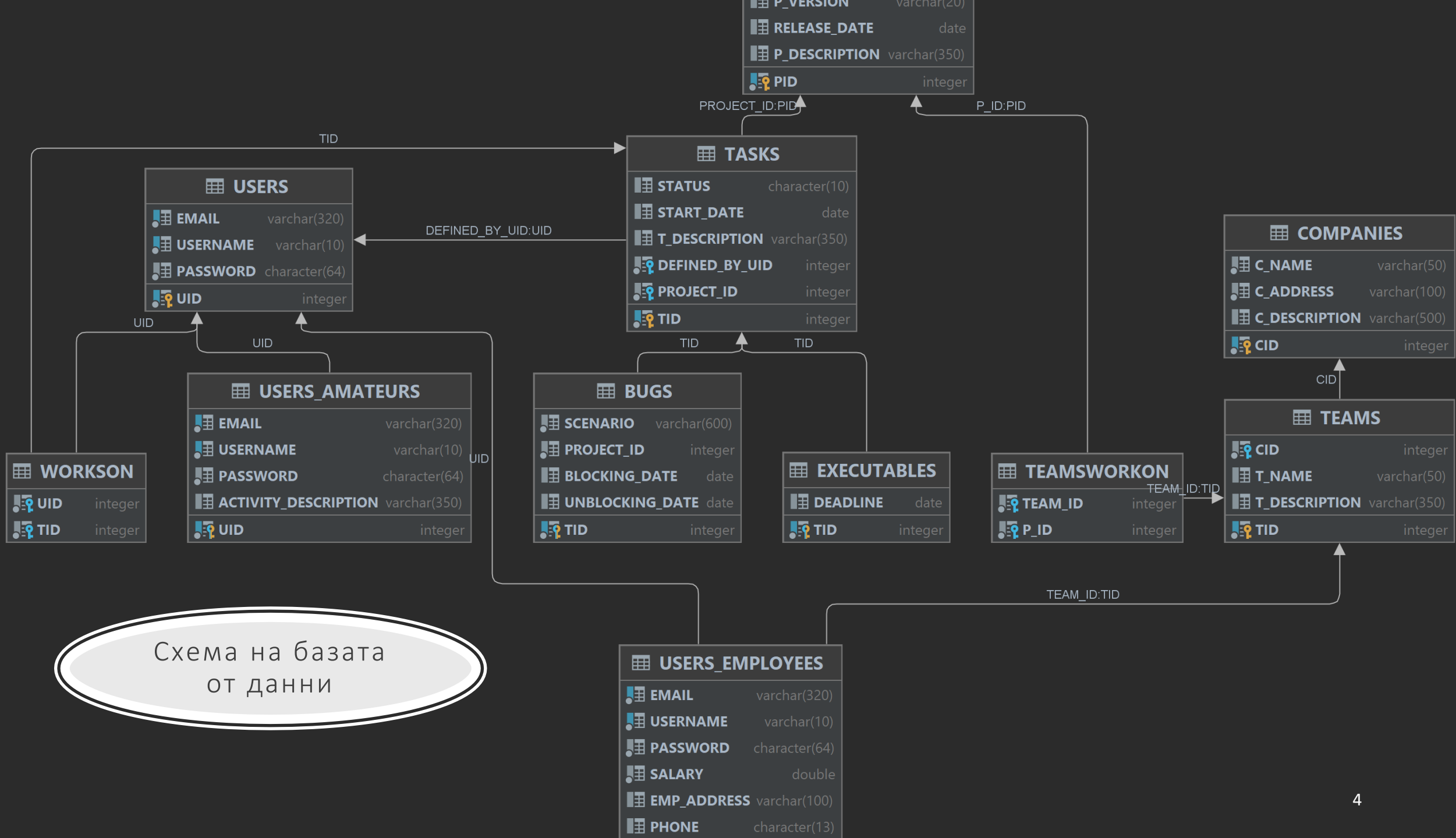


Схема на базата
от данни

```
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";
```

```
CREATE VIEW "Bugs" AS
SELECT * FROM "Bugs"
WHERE FN3MI0700022."Bugs".UNBLOCKING_DATE > FN3MI0700022."Bugs".BLOCKING_DATE;

SELECT * FROM Bugs;
INSERT INTO Bugs(SCENARIO, PROJECT_ID, BLOCKING_DATE, UNBLOCKING_DATE)
VALUES('new bug scenario', 10, '2023-04-22', '2023-05-31');
SELECT * FROM Bugs;
```

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


```
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