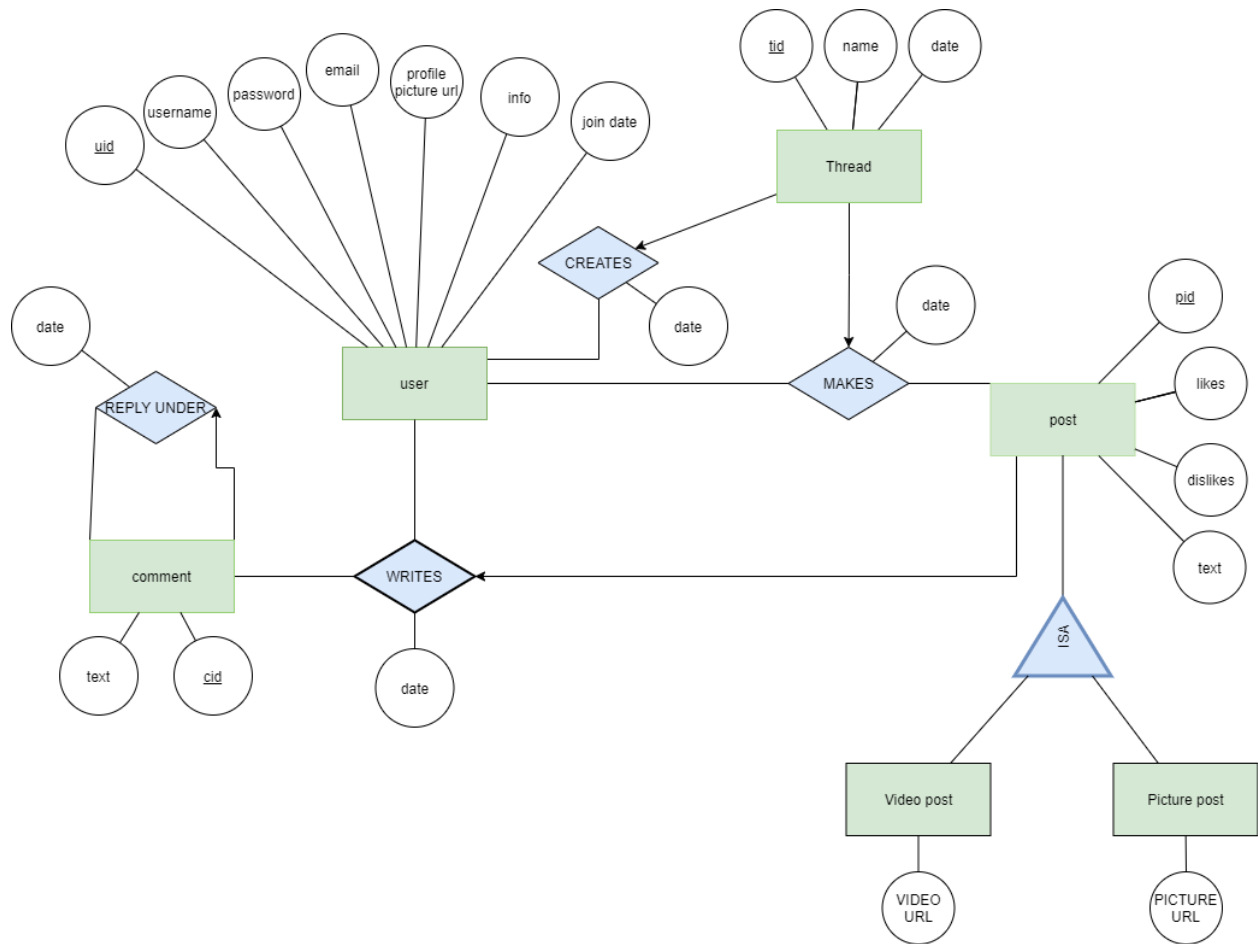


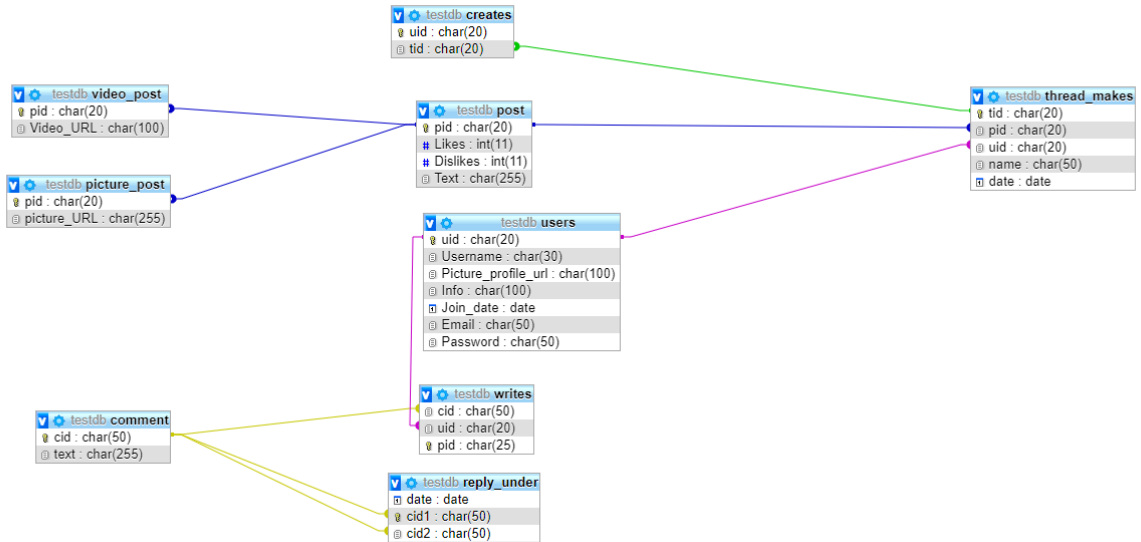
Baha Mert Ersoy 26414
Murat Karaca 26627
Cem Kaya 26440
Emre Can Eşki 26973

GROUP K

Our new ER model:



Relational Schema:



```
CREATE TABLE User(  
  
uid CHAR(20),  
Username CHAR(30),  
Picture_profile_url CHAR(100),  
Info CHAR(100),  
Join_date DATE,  
Email CHAR(50),  
Password CHAR(50)  
  
PRIMARY KEY(uid)  
)
```

```
CREATE TABLE Comment (  
  
cid CHAR(50) NOT NULL,  
text CHAR(255),  
  
PRIMARY KEY(cid)  
)
```

```
CREATE TABLE Post(  
  
pid CHAR(20) NOT NULL,  
Likes INTEGER,  
Dislikes INTEGER,  
Text CHAR(200),  
  
PRIMARY KEY(pid)  
)
```

```
CREATE TABLE Picture_Post(  
  
pid CHAR (20)  
Picture_URL CHAR(100),  
  
PRIMARY KEY (pid),  
FOREIGN KEY (pid) REFERENCES Post  
ON DELETE CASCADE ,  
ON UPDATE SET DEFAULT
```

)

CREATE TABLE Video_Post(

pid CHAR (20),

Video_URL CHAR(100),

PRIMARY KEY (pid),

FOREIGN KEY (pid) REFERENCES Post ,

ON DELETE CASCADE ,

ON UPDATE SET DEFAULT

)

CREATE TABLE Thread_Makes (

tid CHAR (20) NOT NULL,

pid CHAR (20) NOT NULL,

uid CHAR(20),

name CHAR(50),

date DATE,

PRIMARY KEY (tid), //Because it has participation constraint and weak entity,

FOREIGN KEY (pid) REFERENCES Post

ON DELETE CASCADE,

ON UPDATE SET DEFAULT,

FOREIGN KEY (uid) REFERENCES User

ON DELETE NO ACTION

ON UPDATE SET DEFAULT

)

CREATE TABLE Writes (

cid CHAR (50) NOT NULL,

uid CHAR (20) NOT NULL,

pid CHAR (25) NOT NULL,

PRIMARY KEY (pid),

FOREIGN KEY (cid) REFERENCES Comment,

```
FOREIGN KEY (uid) REFERENCES User ,  
    ON DELETE NO ACTION,  
    ON UPDATE SET DEFAULT  
FOREIGN KEY (pid) REFERENCES Post
```

```
)
```

```
CREATE TABLE Creates(  
uid CHAR(20) NOT NULL, //Because one to one  
tid CHAR(20) NOT NULL,
```

```
PRIMARY KEY (uid),  
FOREIGN KEY (tid) REFERENCES Thread_Makes  
    ON DELETE NO ACTION,  
    ON UPDATE SET DEFAULT,
```

```
)
```

```
CREATE TABLE REPLY_UNDER(  
date DATE,  
cid1 CHAR(50) NOT NULL,  
cid2 CHAR(50) NOT NULL,
```

```
PRIMARY KEY(cid1),  
FOREIGN KEY(cid1) REFERENCES Comments  
    ON DELETE NO ACTION,  
    ON UPDATE SET DEFAULT,  
FOREIGN KEY(cid2) REFERENCES Comments  
    ON DELETE NO ACTION,  
    ON UPDATE SET DEFAULT
```

```
)
```