DDL Script:

create schema "DAILYHUNT";

SET SEARCH_PATH TO "DAILYHUNT";

CREATE TABLE AdministrationDepartment(

DID INT NOT NULL,

DName VARCHAR(30) NOT NULL,

PRIMARY KEY (DID)

);

CREATE TABLE Staff (

StaffID INT NOT NULL,

StaffName VARCHAR(30) NOT NULL,

Address VARCHAR(100), DOB DATE,

DID INT,

MgrID INT,

PRIMARY KEY (StaffID),

FOREIGN KEY(DID) REFERENCES AdministrationDepartment(DID),

FOREIGN KEY(MgrID) REFERENCES Staff(StaffID)

);

CREATE TABLE LoggedUser(

UID INT,

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UName VARCHAR(30) NOT NULL,

Email VARCHAR(30),

PhoneNo BIGINT,

Password VARCHAR(25) NOT NULL,

Gender VARCHAR(10),

DOB DATE,

UBlockStatus BOOLEAN NOT NULL,

DID INT, PRIMARY KEY (UID),

FOREIGN KEY(DID) REFERENCES AdministrationDepartment(DID)

);



CREATE TABLE UnloggedUser(

UnID INT NOT NULL,

PRIMARY KEY (UnID)

);



CREATE TABLE Publisher (

PublisherID INT NOT NULL,

PublisherName VARCHAR(30) NOT NULL,

Email VARCHAR(25),

PhoneNo BIGINT,

Address VARCHAR(100),

PRIMARY KEY (PublisherID)
```

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);
CREATE TABLE UserPost(
PostID INT NOT NULL,
Title VARCHAR(50),
PostTime TIMESTAMP NOT NULL,
PBlockstatus BOOLEAN NOT NULL,
Genre VARCHAR(50),
Category VARCHAR(50),
DID INT,
UID INT NOT NULL,
PRIMARY KEY (PostID),
FOREIGN KEY(DID) REFERENCES AdministrationDepartment(DID),
FOREIGN KEY(UID) REFERENCES LoggedUser(UID)
);

CREATE TABLE PublisherPost(
PPostID INT NOT NULL,
Title VARCHAR(50),
PostTime TIMESTAMP NOT NULL,
PBlockstatus BOOLEAN NOT NULL,
Genre VARCHAR(50),
Category VARCHAR(50),
DID INT, UpdateTime TIMESTAMP,
PublisherID INT NOT NULL,
PRIMARY KEY (PPostID),
```

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    FOREIGN KEY(PublisherID) REFERENCES Publisher(PublisherID),

    FOREIGN KEY(DID) REFERENCES AdministrationDepartment(DID)

);


CREATE TABLE Advertisement(

    AdID INT NOT NULL,

    PaymentPerView INT NOT NULL,

    DID INT,

    AdvertisementCost INT NOT NULL,

    PRIMARY KEY (AdID),

    FOREIGN KEY(DID) REFERENCES AdministrationDepartment(DID)

);




CREATE TABLE Likes_1(

LikesID INT NOT NULL,

PostID INT,

 UID INT NOT NULL,

 PRIMARY KEY (LikesID),

 FOREIGN KEY(PostID) REFERENCES UserPost(PostID)

);



CREATE TABLE Likes_2(

LikesID INT NOT NULL,
```

```sql
PPostID INT,
 UID INT NOT NULL,
 PRIMARY KEY (LikesID),
 FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)
);




CREATE TABLE Comment_1(
CommentID INT NOT NULL,
Discription VARCHAR(300),
PostID INT,
UID INT NOT NULL,
 PRIMARY KEY (CommentID),
 FOREIGN KEY(PostID) REFERENCES UserPost(PostID)
);




CREATE TABLE Comment_2(
CommentID INT NOT NULL,
Discription VARCHAR(300),
PPostID INT,
 UID INT NOT NULL,
 PRIMARY KEY (CommentID),
 FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)
);
```

```sql
CREATE TABLE Share_1(

ShareID INT NOT NULL,

PostID INT,

 UID INT NOT NULL,

 PRIMARY KEY (ShareID),

 FOREIGN KEY(PostID) REFERENCES UserPost(PostID)

);


CREATE TABLE Share_2(

ShareID INT NOT NULL,

PPostID INT,

 UID INT NOT NULL,

 PRIMARY KEY (ShareID),

 FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)

);


CREATE TABLE CanReport_1 (

PostID INT,

UID INT NOT NULL,

PRIMARY KEY (PostID, UID),

FOREIGN KEY(PostID) REFERENCES UserPost(PostID),
```

FOREIGN KEY(UID) REFERENCES LoggedUser(UID));

CREATE TABLE CanReport_2 (

UID INT NOT NULL,

PPostID INT,

PRIMARY KEY (UID, PPostID),

FOREIGN KEY(UID) REFERENCES LoggedUser(UID),

FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)

);

CREATE TABLE Report_1 (

ReportID INT NOT NULL,

RType VARCHAR(30) NOT NULL,

RTime TIMESTAMP NOT NULL,

DID INT,

PostID INT,

UID INT NOT NULL,

PRIMARY KEY (ReportID),

FOREIGN KEY(DID) REFERENCES AdministrationDepartment(DID),

FOREIGN KEY(PostID, UID) REFERENCES CanReport_1(PostID, UID)

);

CREATE TABLE Report_2 (

ReportID INT NOT NULL,

RType VARCHAR(30) NOT NULL,

```sql
RTime TIMESTAMP NOT NULL,

 DID INT,

PPostID INT,

UID INT NOT NULL,

PRIMARY KEY (ReportID),

FOREIGN KEY(DID) REFERENCES AdministrationDepartment (DID),

FOREIGN KEY(PPostID, UID) REFERENCES CanReport_2(PPostID, UID)

);


CREATE TABLE View_Un_1 (

ViewTime TIMESTAMP NOT NULL,

PostID INT,

UnID INT NOT NULL,

PRIMARY KEY (ViewTime, UnID, PostID),

FOREIGN KEY(PostID) REFERENCES UserPost(PostID),

FOREIGN KEY(UnID) REFERENCES UnloggedUser(UnID)

);


CREATE TABLE View_Un_2 (

ViewTime TIMESTAMP NOT NULL,

UnID INT NOT NULL, PPostID INT,

PRIMARY KEY (ViewTime, UnID, PPostID),

FOREIGN KEY(UnID) REFERENCES UnloggedUser(UnID),

FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)

);
```

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CREATE TABLE View_L_1 (

ViewTime TIMESTAMP NOT NULL,

PostID INT,

UID INT NOT NULL,

PRIMARY KEY (PostID, UID, ViewTime),

FOREIGN KEY(PostID) REFERENCES UserPost(PostID),

FOREIGN KEY(UID) REFERENCES LoggedUser(UID)

);


CREATE TABLE View_L_2 (

ViewTime TIMESTAMP NOT NULL,

UID INT NOT NULL,

PPostID INT,

PRIMARY KEY (UID, PPostID, ViewTime),

FOREIGN KEY(UID) REFERENCES LoggedUser(UID),

FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)

);


CREATE TABLE Author (

AuthorName VARCHAR(30),

PPostID INT NOT NULL,

PRIMARY KEY(PPostID, AuthorName),

FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)

);
```

```sql
CREATE TABLE Contains (

PPostID INT NOT NULL,

AdID INT NOT NULL,

PRIMARY KEY (PPostID, AdID),

FOREIGN KEY(AdID) REFERENCES Advertisement(AdID),

FOREIGN KEY(PPostID) REFERENCES PublisherPost(PPostID)

);


CREATE TABLE Follow (

UID1 INT NOT NULL,

UID2 INT NOT NULL,

PRIMARY KEY (UID1, UID2),

FOREIGN KEY(UID1) REFERENCES LoggedUser(UID),

FOREIGN KEY(UID2) REFERENCES LoggedUser(UID)

);


CREATE TABLE DealWith(

PublisherID INT,

DID INT,

PRIMARY KEY(PublisherID, DID),

FOREIGN KEY(PublisherID) REFERENCES Publisher(PublisherID),

FOREIGN KEY(DID) REFERENCES AdministrationDepartment(DID)

);
```

```
CREATE TABLE Follow2 (

UID INT NOT NULL,

PublisherID INT NOT NULL,

PRIMARY KEY(UID, PublisherID),

FOREIGN KEY(UID) REFERENCES LoggedUser(UID),

FOREIGN KEY(PublisherID) REFERENCES Publisher(PublisherID)

);
```