

```
CREATE TABLE Users(  
    uid CHAR(11),  
    name CHAR(20),  
    email CHAR(20),  
    city CHAR(20),  
    timeZone CHAR(20),  
    PRIMARY KEY (uid));
```

```
CREATE TABLE Lists(  
    name CHAR(20),  
    uid CHAR(11) NOT NULL,  
    PRIMARY KEY (uid, name),  
    FOREIGN KEY (uid) REFERENCES Users  
    ON DELETE CASCADE);
```

```
CREATE TABLE tweets(  
    tdate DATE,  
    text TEXT NOT NULL,  
    uid CHAR(11) NOT NULL,  
    PRIMARY KEY (uid, text), (unsure about this part, but uid doesn't seem like enough to  
be a primary key)  
    FOREIGN KEY (uid) REFERENCES Users  
    ON DELETE CASCADE);
```

```
CREATE TABLE hashtags(  
    term CHAR(20),  
    PRIMARY KEY(term));
```

```
CREATE TABLE URLs(  
    shortURL CHAR(30),  
    longURL CHAR(100),  
    PRIMARY KEY(shortURL));
```

```
CREATE TABLE Bot(  
    uid CHAR(11) NOT NULL,  
    PRIMARY KEY (uid),  
    FOREIGN KEY(uid) REFERENCES Users  
    ON DELETE CASCADE);
```

```
CREATE TABLE Blue(  
    uid CHAR(11) NOT NULL,  
    cardno INTEGER,  
    PRIMARY KEY (uid),  
    FOREIGN KEY(uid) REFERENCES Users
```

ON DELETE CASCADE);

```
CREATE TABLE Gray(  
    uid CHAR(11) NOT NULL,  
    vdate DATE,  
    PRIMARY KEY (uid),  
    FOREIGN KEY(uid) REFERENCES Users  
    ON DELETE CASCADE);
```

```
CREATE TABLE follows(  
    uid CHAR(11),  
    started DATE???,  
    PRIMARY KEY (uid),  
    FOREIGN KEY (uid) REFERENCES Users);
```

```
CREATE TABLE includes(  
    name CHAR(20),  
    uid CHAR(11),  
    PRIMARY KEY (name, uid)  
    FOREIGN KEY (name) REFERENCES Lists,  
    FOREIGN KEY (uid) REFERENCES Users);
```

```
CREATE TABLE mentionsH(  
    term CHAR(20),  
    tdate DATE,  
    PRIMARY KEY (term, tdate),  
    FOREIGN KEY (term) REFERENCES hashtags,  
    FOREIGN KEY (tdate) REFERENCES tweets);
```

```
CREATE TABLE mentionsU(  
    shortURL CHAR(30),  
    tdate DATE,  
    PRIMARY KEY (shortURL, tdate),  
    FOREIGN KEY (shortURL) REFERENCES URLs,  
    FOREIGN KEY (tdate) REFERENCES tweets);
```

```
CREATE TABLE replto(  
    tdate DATE,  
    PRIMARY KEY (tdate),  
    FOREIGN KEY(tdate), REFERENCES tweets);
```

```
CREATE TABLE retweets(  
    rdate DATE,  
    uid CHAR(11),
```

```
tdate DATE,  
PRIMARY KEY (uid, tdate),  
FOREIGN KEY(uid), REFERENCES Users,  
FOREIGN KEY(tdate), REFERENCES tweets);
```

Notes:

- Didn't include "creates" because it should be implicit from Lists (I think)

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