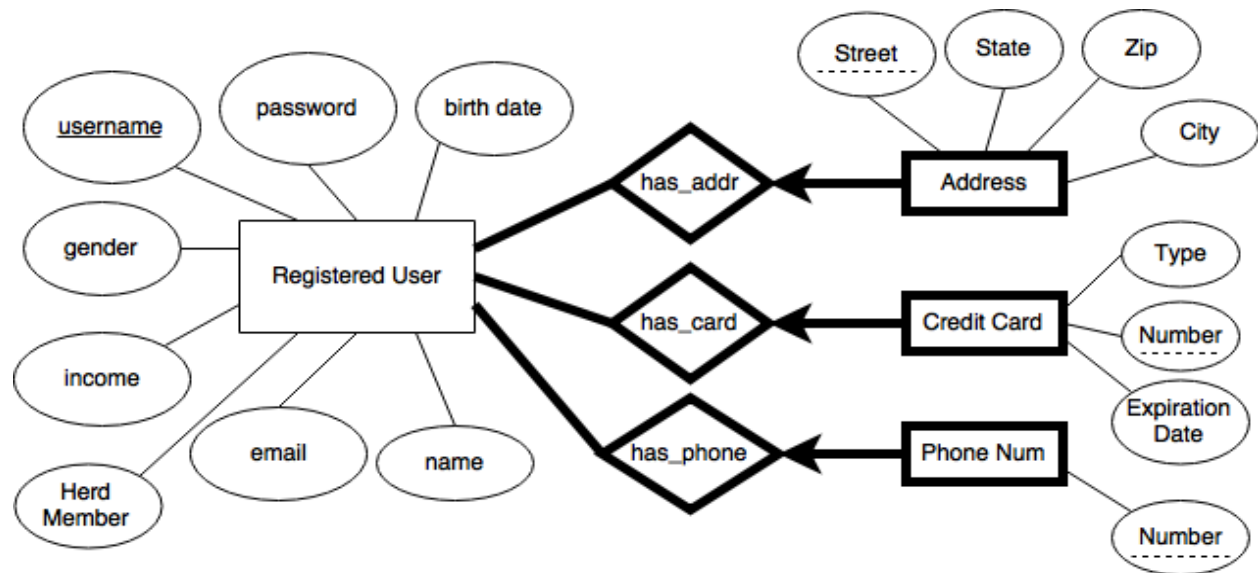


## 4. Registered Users



```
CREATE TABLE Registered_Users
```

```
(
```

```
    Name CHAR(30) NOT NULL,
    Email CHAR(50) NOT NULL,
    Herd_Member BIT,
    Income INTEGER,
    Gender CHAR(6),
    Username CHAR(20) NOT NULL,
    Password CHAR (20) NOT NULL,
    Date_of_Birth DATE,
    UNIQUE (email, username),
    PRIMARY KEY (username)
```

```
);
```

```
CREATE TABLE User_Address
```

```
(
```

```
    Username CHAR(20) NOT NULL,
    Street TEXT NOT NULL,
    State CHAR(20) NOT NULL,
    ZIP_Code INTEGER NOT NULL,
    City CHAR(20),
    PRIMARY KEY (Username),
    FOREIGN KEY (Username) REFERENCES Registered_Users (Username)
    ON DELETE CASCADE
```

```
);
```

```

CREATE TABLE Credit_Card
(
    Username CHAR(20) NOT NULL,
    Type CHAR(20) NOT NULL,
    Number INTEGER NOT NULL,
    Expiration_Date DATE NOT NULL,
    UNIQUE (number),
    PRIMARY KEY (Username),
    FOREIGN KEY (Username) REFERENCES Registered_Users (Username)
        ON DELETE CASCADE
);

```

```

CREATE TABLE Phone_Number
(
    Username CHAR(20) NOT NULL,
    Phone_Number INTEGER,
    PRIMARY KEY (Username),
    FOREIGN KEY (Username) REFERENCES Registered_Users (Username)
        ON DELETE CASCADE
);

```

### Registered Users Table

Username	Name	Email	Herd_Member	Income	Gender	Password	Date_of_Birth
	↑	↑	↑	↑	↑	↑	↑

### Address Table

Username	Street	State	ZIP_Code	City
	↑	↑	↑	↑

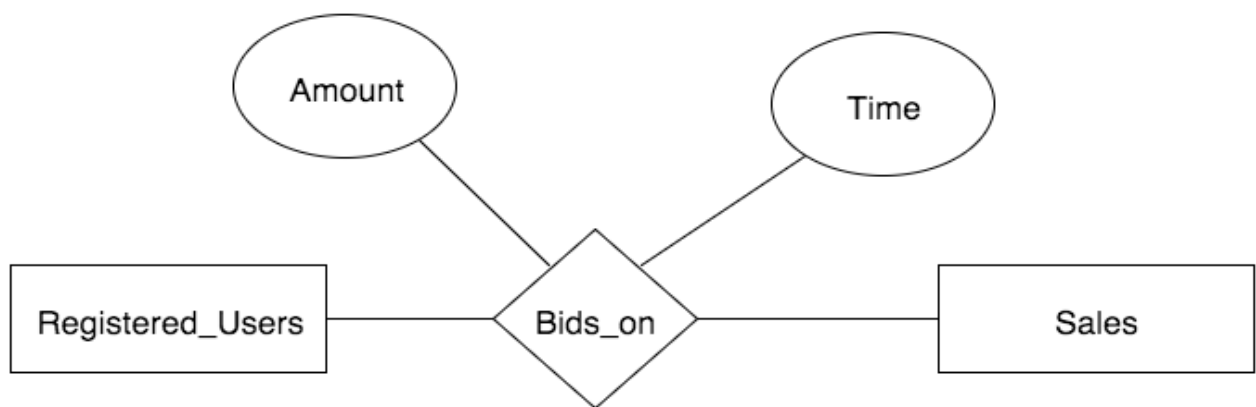
### Credit Card Table

Username	Type	Number	Expiration_Date
	↑	↑	↑

### Phone Number Table

Username	Number

## 9. Bidding



```
CREATE TABLE Bidding
(
    Username CHAR(20),
    Amount INTEGER,
    Time TIMESTAMP,
    PRIMARY KEY (Username)
    FOREIGN KEY (Username) REFERENCES Registered_Users (Username)
    ON DELETE CASCADE
);
```