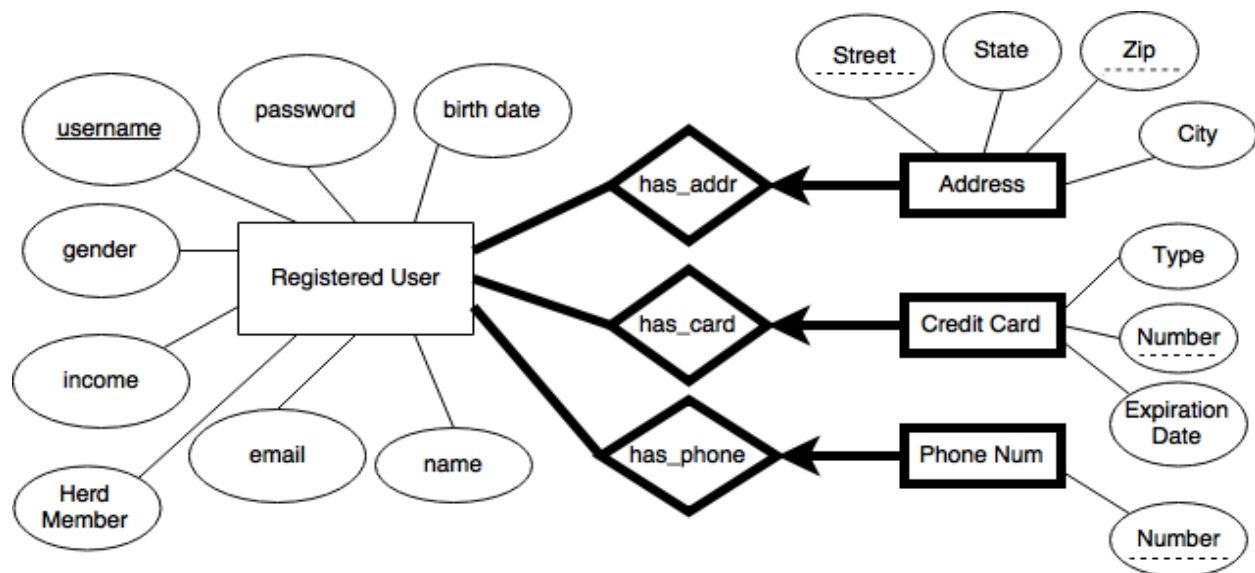


4. Registered Users



```
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),
    Password CHAR (20) NOT NULL,
    Date_of_Birth DATE,
    UNIQUE (Email, Username),
    PRIMARY KEY (Username)
);
```

```
CREATE TABLE User_Address
(
    Username CHAR(20),
    Street TEXT,
    Zipcode CHAR(10),
    PRIMARY KEY (Username, Street, Zipcode),
    FOREIGN KEY (Username) REFERENCES Registered_Users (Username)
        ON DELETE CASCADE,
    FOREIGN KEY (Zipcode) REFERENCES Zipcodes_Areas (Zipcode)
        ON DELETE CASCADE
);
```

```
CREATE TABLE Zipcodes_Areas
(
    Zipcode CHAR(10),
    City CHAR(20) NOT NULL,
    State CHAR(20) NOT NULL,
    PRIMARY KEY(Zipcode)
);
```

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

```
CREATE TABLE Phone_Number
(
    Username CHAR(20),
    Phone_Number CHAR(20),
    PRIMARY KEY (Username, Phone_Number),
    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	ZIP_Code

Zipcode Table

Zipcode	City	State

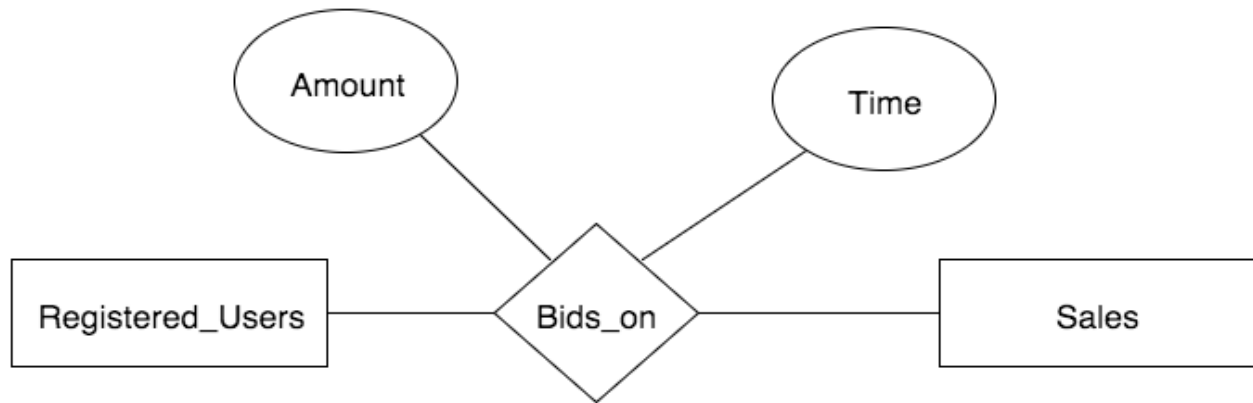
Credit Card Table

Username	Type	Number	Expiration_Date

Phone Number Table

Username	Number

9. Bidding



```
CREATE TABLE Bidding
(
    Username CHAR(20),
    ItemID CHAR(40),
    Amount INTEGER,
    Time TIMESTAMP,
    PRIMARY KEY (Username, ItemID)
    FOREIGN KEY (Username) REFERENCES Registered_Users (Username)
        ON DELETE CASCADE,
    FOREIGN KEY (ItemID) REFERENCES Items (IID)
        ON DELETE CASCADE
);
```