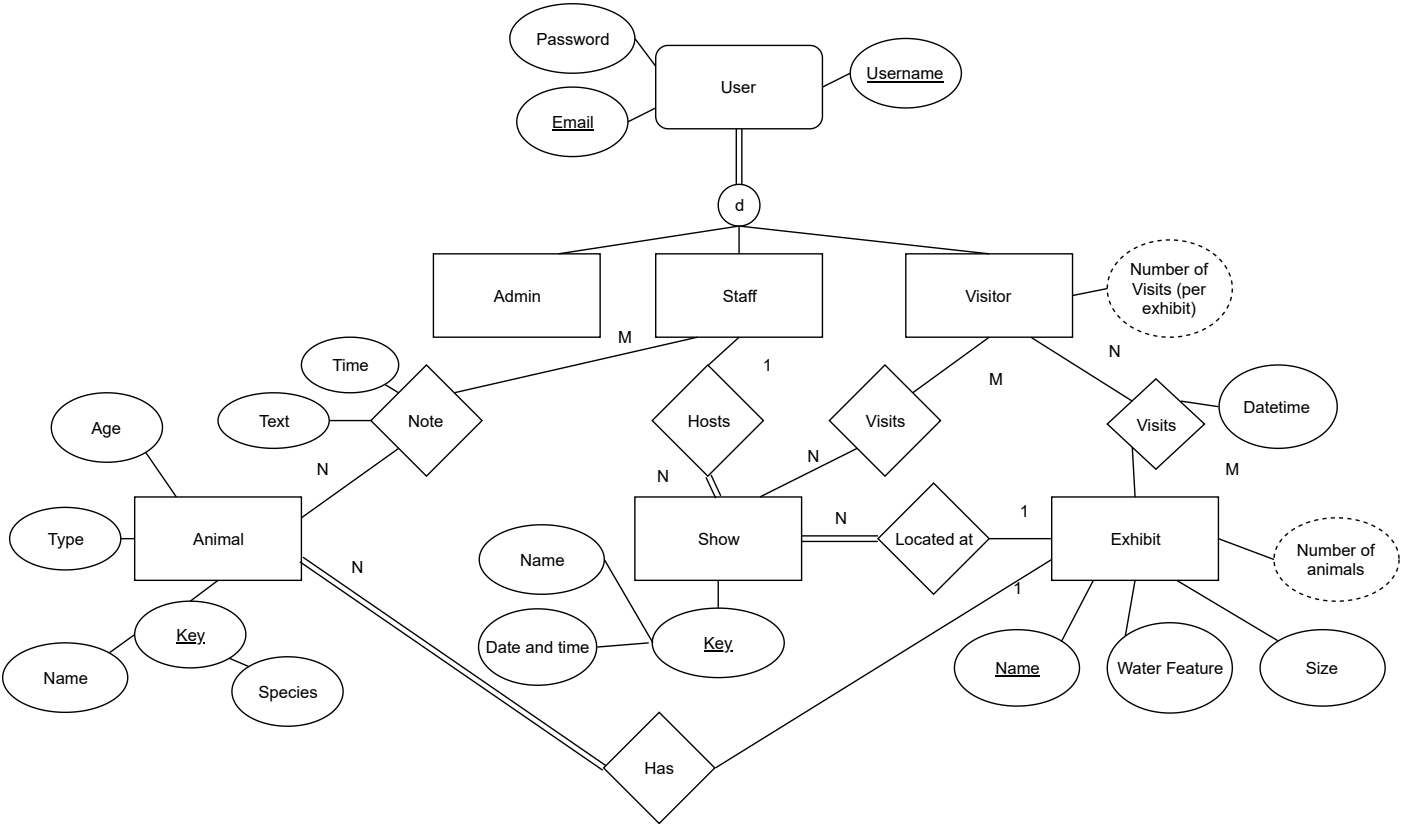# TEAM NUMBER 41

Phase 2

Ndeyanta Jallow (njallow6)
Christian Hughey (chughey3)
Preston Akwule (pakwule3)
Omega Haileyesus (ohaileyesus3)
Ayo Yoyin (ayoyin3)

Admin

Username	Email	Password

Visitor

Username	Email	Password

Staff

Username	Email	Password

Note

StaffEmail	NoteTime	NoteText	AnimalName	AnimalSpecies

ShowVisits

VisitorEmail	ShowName	Date and Time

ExhibitVisits

VisitorEmail	ExhibitName	Datetimes

Show

ShowName	Date and Time	ExhibitName

Animal

AnimalSpecies	AnimalName	Age	AnimalType	ExhibitName

Exhibit

ExhibitName	Water Feature	Size

Hosts

StaffEmail	ShowName	Date and Time
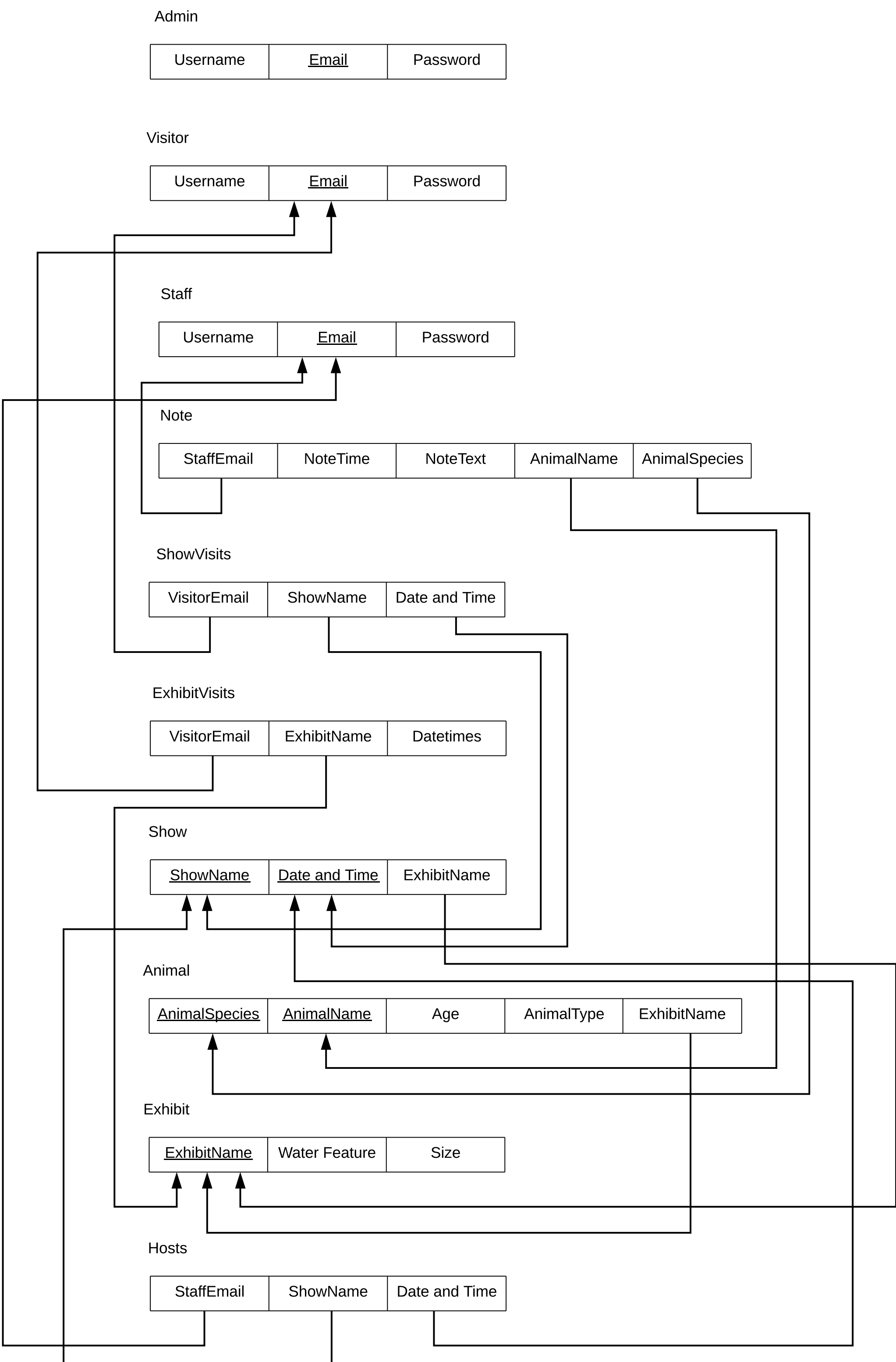
```
CREATE TABLE Admin(
        Username varchar(255) UNIQUE NOT NULL,
        Email varchar(255) NOT NULL,
        Password varchar(255) NOT NULL,
        PRIMARY KEY (Email)
);

CREATE TABLE Visitor(
        Email varchar(255) NOT NULL,
        Username varchar(255) UNIQUE NOT NULL,
        Password varchar(255) NOT NULL,
        PRIMARY KEY (Email)
);

CREATE TABLE Note(
        StaffEmail varchar(255),
        NoteTime varchar(255),
        NoteText varchar(255),
        AnimalName varchar(255),
        AnimalSpecies varchar(255),
        FOREIGN KEY (StaffEmail) REFERENCES Staff(Email)
                ON DELETE CASCADE
                ON UPDATE CASCADE
        FOREIGN KEY (AnimalName, AnimalSpecies) REFERENCES Animal(AnimalName,
        AnimalSpecies)
                ON DELETE CASCADE
                ON UPDATE CASCADE
);

CREATE TABLE Staff(
        Email varchar(255) NOT NULL,
        Username varchar(255) UNIQUE NOT NULL,
        Password varchar(255) NOT NULL,
        PRIMARY KEY (Email)
);

CREATE TABLE Hosts(
        StaffEmail varchar(255) ,
        ShowName varchar(255),
        DateAndTime varchar(255),
        FOREIGN KEY (StaffEmail) REFERENCES Staff(Email)
                ON DELETE CASCADE
                ON UPDATE CASCADE
```

```sql
        FOREIGN KEY (ShowName) REFERENCES Show(ShowName)
                ON DELETE CASCADE
                ON UPDATE CASCADE
        FOREIGN KEY (DateAndTime) REFERENCES Show(DateAndTime)
                ON DELETE CASCADE
                ON UPDATE CASCADE
);

CREATE TABLE ShowVisits(
        VisitorEmail varchar(255) NOT NULL,
        ShowName varchar(255) NOT NULL,
        DateAndTime varchar(255) NOT NULL,
        FOREIGN KEY (VisitorEmail) REFERENCES Visitor(Email)
                ON DELETE CASCADE
                ON UPDATE CASCADE
        FOREIGN KEY (ShowName) REFERENCES Show(ShowName)
                ON DELETE CASCADE
                ON UPDATE CASCADE
        FOREIGN KEY (DateAndTime) REFERENCES Show(DateAndTime)
                ON DELETE CASCADE
                ON UPDATE CASCADE
);

CREATE TABLE ExhibitVisits(
        VisitorEmail varchar(255) NOT NULL,
        ExhibitName varchar(255) NOT NULL,
        DateTimes DATETIME NOT NULL,
        FOREIGN KEY (VisitorEmail) REFERENCES Visitor(Email)
                ON DELETE CASCADE
                ON UPDATE CASCADE
        FOREIGN KEY (ExhibitName) REFERENCES Exhibits(ExhibitName)
                ON DELETE CASCADE
                ON UPDATE CASCADE
);

CREATE TABLE Show(
        ShowName varchar(255) NOT NULL,
        DateAndTime varchar(255) NOT NULL,
        ExhibitName varchar(255) NOT NULL,
        PRIMARY KEY(ShowName, DateAndTime)
        FOREIGN KEY (ExhibitName) REFERENCES Exhibits(ExhibitName)
                ON DELETE CASCADE
                ON UPDATE CASCADE
```

```
);

CREATE TABLE Exhibits(
        ExhibitName varchar(255) NOT NULL,
        WaterFeature BOOLEAN DEFAULT NULL,
        Size int NOT NULL,
        PRIMARY KEY(ExhibitName)
);

CREATE TABLE Animal(
        AnimalSpecies varchar(255) NOT NULL,
        AnimalName varchar(255) NOT NULL,
        Age int NOT NULL,
        AnimalType varchar(255) NOT NULL,
        ExhibitName varchar(255) NOT NULL,
        PRIMARY KEY(AnimalSpecies, AnimalName)
        FOREIGN KEY (ExhibitName) REFERENCES Exhibits(ExhibitName)
                ON DELETE CASCADE
                ON UPDATE CASCADE
);
```