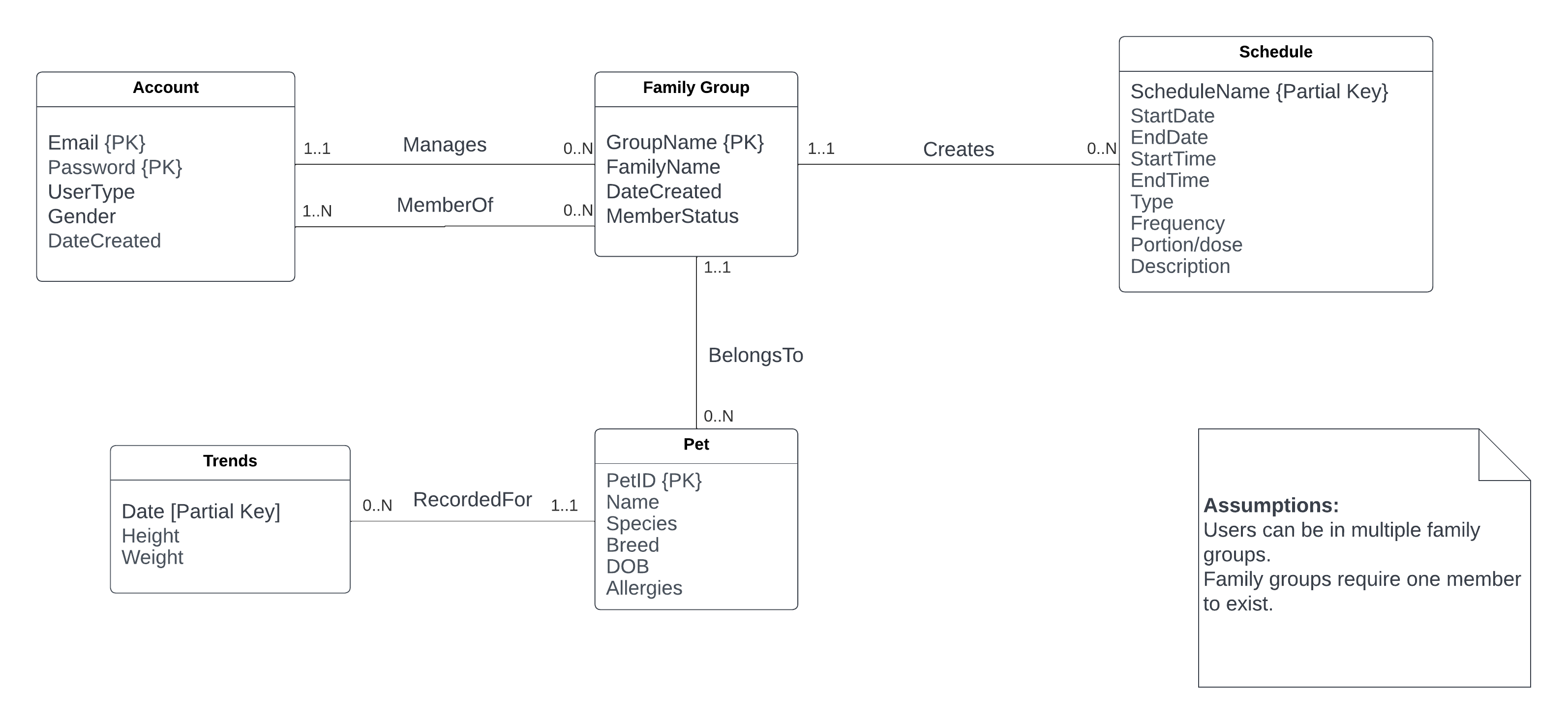
# ERD:



# Schema:

## Step 1: Map entities

Account (Email, Password, UserType, Gender, DateCreated)

Member\_Of (Email\*, Password\*, GroupName\*)

Family\_Group (GroupName, FamilyName, DateCreated, MemberStatus)

Schedule (GroupName\*, ScheduleName, StartDate, EndDate, StartTime, EndTime, Type, Frequency, Portion/dose, Description)

Pet (PetID, Name, Species, Breed, DOB, Height, Weight, Allergies)

Trends (PetID\*, Date, Height, Weight)

## Step 2: Map relationships

Account (Email, Password, UserType, Gender, DateCreated)

Member\_Of (Email\*, Password\*, GroupName\*)

Memberships (UserID\*, GroupName\*)

Family\_Group (GroupName, FamilyName, DateCreated, MemberStatus, AdminUserID\*)

Schedule (GroupName\*, ScheduleName, StartDate, EndDate, StartTime, EndTime, Type, Frequency, Portion/dose, Description)

Pet (PetID, Name, Species, Breed, DOB, Height, Weight, Allergies, GroupName\*)

Trends (PetID\*, Date, Height, Weight)

## Step 3&4: Map multivalued attributes and higher degree relationships

[ERD has none so skip these steps.]

## Final Schema:

Account (Email, Password, UserType, Gender, DateCreated)

Member\_Of (Email\*, Password\*, GroupName\*)

Memberships (UserID\*, GroupName\*)

Family\_Group (GroupName, FamilyName, DateCreated, MemberStatus, AdminUserID\*)

Schedule (GroupName\*, ScheduleName, StartDate, EndDate, StartTime, EndTime, Type, Frequency, Portion/dose, Description)

Pet (PetID, Name, Species, Breed, DOB, Height, Weight, Allergies, GroupName\*)

Trends (PetID\*, Date, Height, Weight)