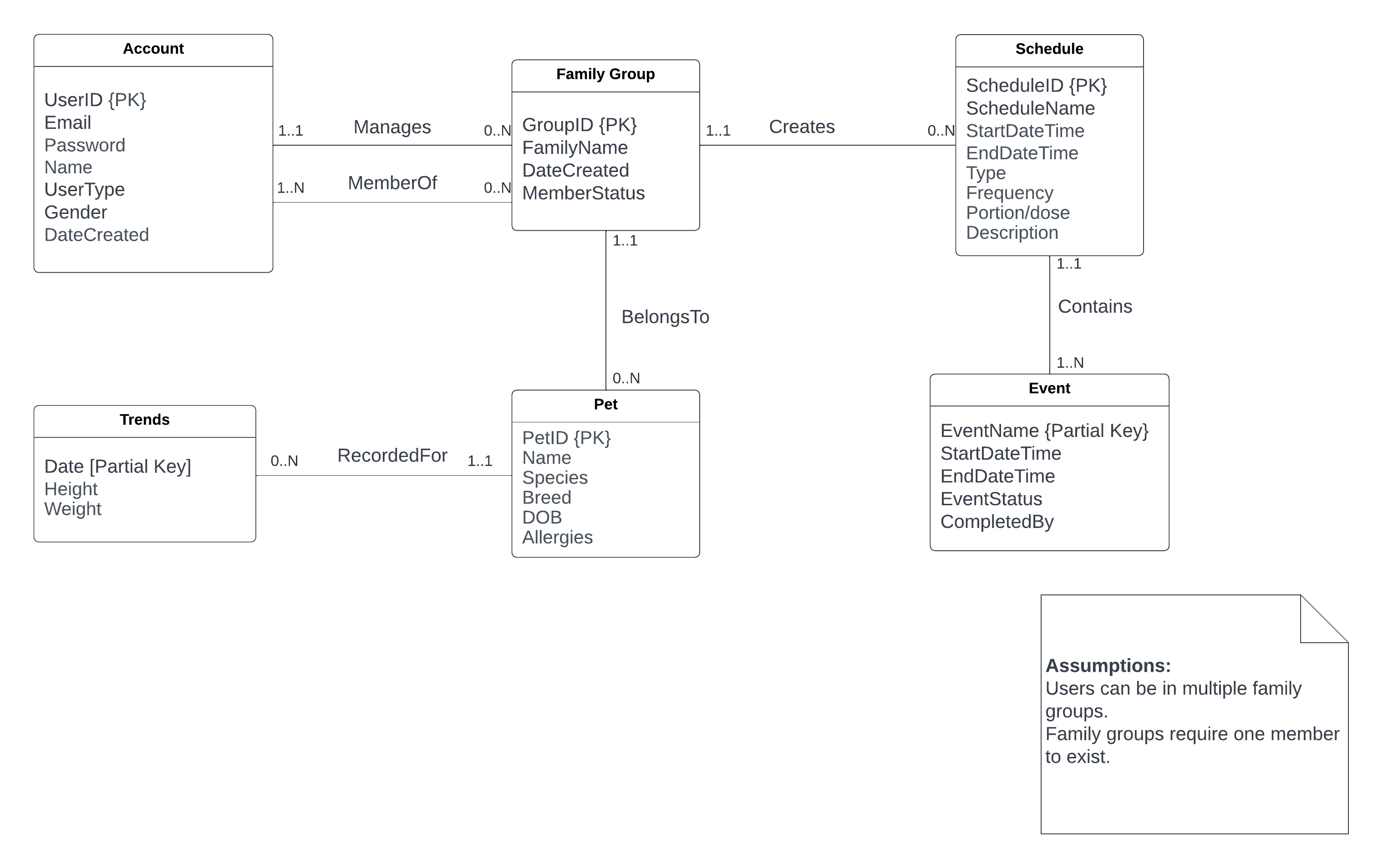
# ERD:



# Schema:

## Step 1: Map entities

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

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

Schedule (ScheduleID, ScheduleName StartDateTime, EndDateTime, Type, Frequency, Portion/dose, Description)

Event (ScheduleID\*, EventName, StartDateTime, EndDateTime, EventStatus, CompletedBy)

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

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

## Step 2: Map relationships

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

Membership (UserID\*, GroupID\*)

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

Schedule (ScheduleID, ScheduleName, StartDateTime, EndDateTime, Type, Frequency, Portion/dose, Description, GroupName\*)

Event (ScheduleID\*, EventName, StartDateTime, EndDateTime, EventStatus, CompletedBy)

Pet (PetID, Name, Species, Breed, DOB, Allergies, GroupID\*)

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 (UserID, Email, Password, Name, UserType, Gender, DateCreated)

Membership (UserID\*, GroupID\*)

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

Schedule (ScheduleID, ScheduleName, StartDateTime, EndDateTime, Type, Frequency, Portion/dose, Description, GroupID\*)

Event (ScheduleID\*, EventName, StartDateTime, EndDateTime, EventStatus, CompletedBy)

Pet (PetID, Name, Species, Breed, DOB, Allergies, GroupID\*)