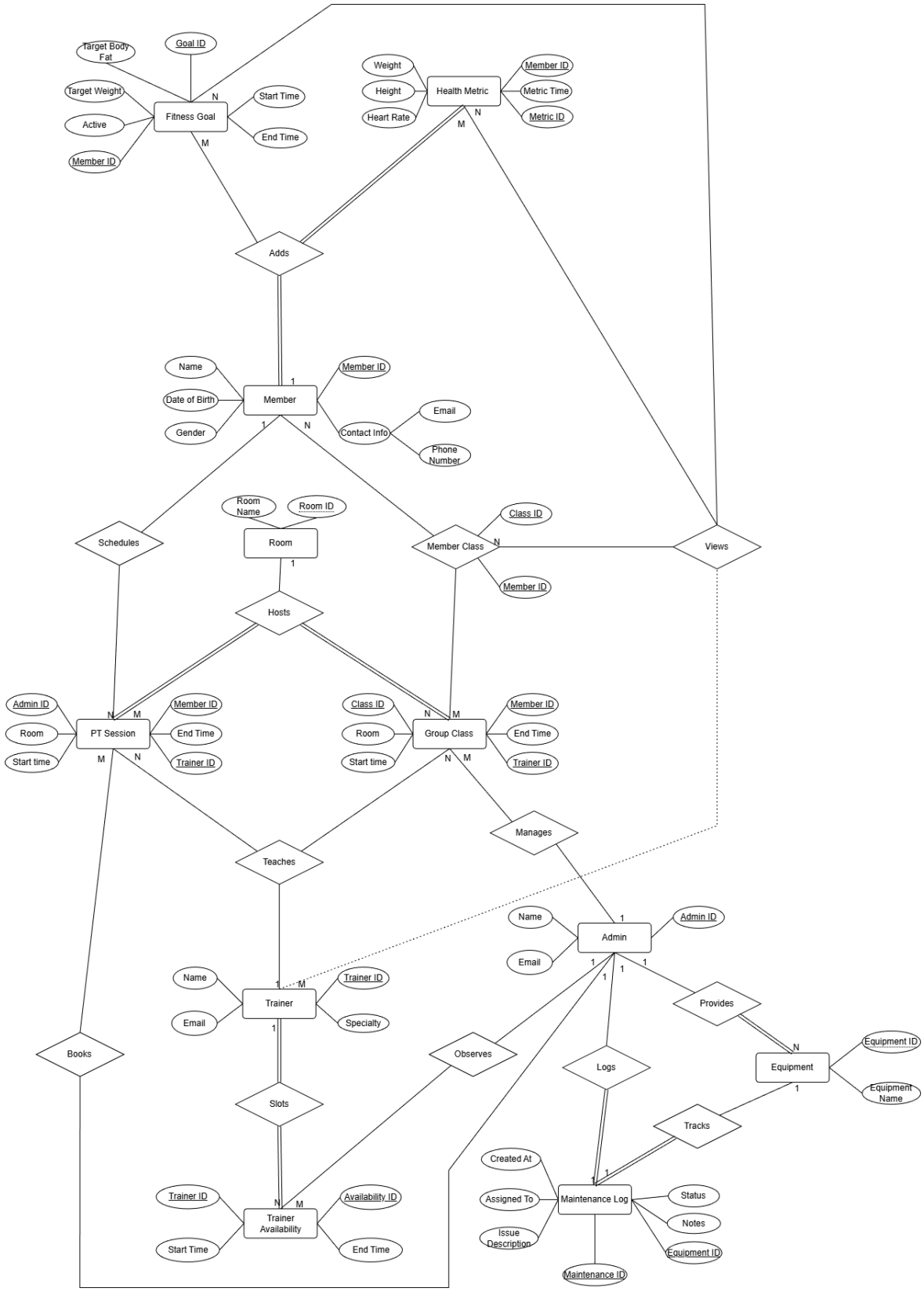
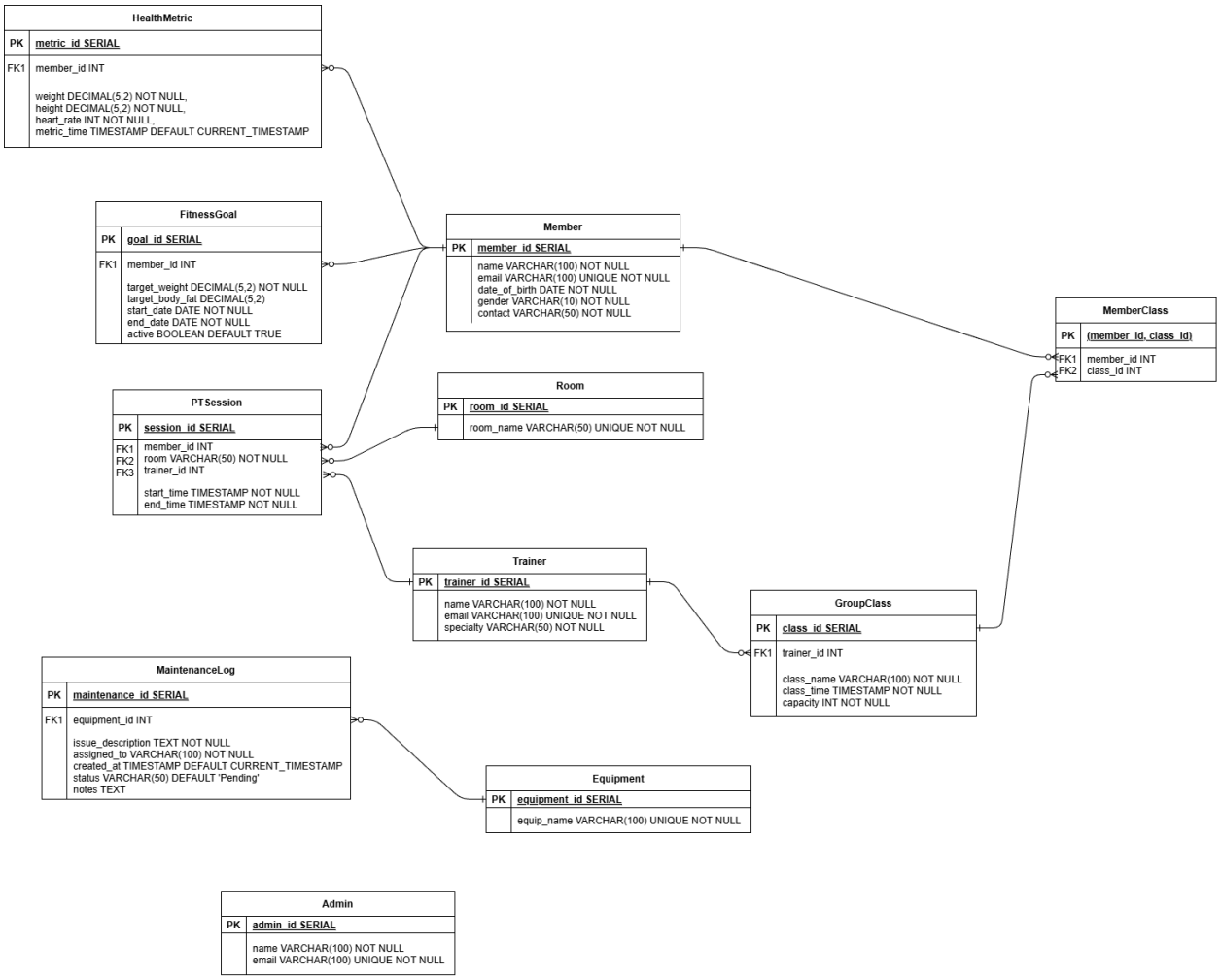
ER Model


Target Body Fat
Goal ID
Target Weight
Active
Member ID
Fitness Goal
Start Time
End Time
Weight
Height
Heart Rate
Health Metric
Member ID
Metric Time
Metric ID
Adds
Name
Date of Birth
Gender
Member
Member ID
Contact Info
Email
Phone Number
Schedules
Room Name
Room ID
Room
Member Class
Class ID
Member ID
Views
Hosts
Admin ID
Room
Start time
PT Session
Member ID
End Time
Trainer ID
Class ID
Room
Start time
Group Class
Member ID
End Time
Trainer ID
Manages
Teaches
Name
Email
Admin
Admin ID
Name
Email
Trainer
Trainer ID
Specialty
Provides
Books
Observes
Logs
Equipment
Equipment ID
Equipment Name
Slots
Tracks
Trainer ID
Start Time
Trainer Availability
Availability ID
End Time
Created At
Assigned To
Issue Description
Maintenance Log
Status
Notes
Equipment ID
Maintenance ID

Relationship Mapping



Normalization

- All tables have atomic columns. (1NF)
- No repeating. (1NF)
- All non-key attributes depend on PK (2NF)
  No transitive dependencies (3NF)

We can verify up to 3NF