



Here is the ER diagram I made. I would suggest looking at user and moving from there. User is a member, trainer or admin. Members have the ability to alter their goals, health metrics and register for sessions. Trainer is able to manage their schedule, view the training sessions they are running and view member accounts but not alter them. The admin staff can create schedules for bookings and training sessions and manage equipment. It doesn't say it specifically in the specs but I made the admin staff manage the admin system that in the specs, says it generates invoices. The admin system can access member information to see how many sessions they attended to calculate their invoice. Lmk if you have any questions about relationships. I'm also going to send the diagram itself because I figure things will change whether its variables in the entities, the relationships or the entities themselves which I figured I wouldn't think off unless I was creating the database. Fyi, primary keys are underlined and

foreign keys are not listed because in an ER model, any foreign keys are not shown, they are kind of implied.