Install [PostgreSQLLinks to an external site.](https://www.postgresql.org/" \t "_blank) on your personal computer system. On the PostgreSQL server, create the following database in Fourth Normal Form.

You are asked to create a database for an Exercise Gym that wants to track its members, the exercises equipment they use, and the services they offer.  The Gym has two locations in the thriving metropolis of Rolla, MO.

Members have a name, address, membership level, membership standing, home gym, balance, billing date,  monthly billing amount, age, birthdate.  The membership standing is used to denote if they are delinquent or a member in good standing.  The home gym is the location where the member signed up for membership.  There are three membership levels; Pro Member, Amateur Member, and Beginner Member.  Members pay a different rate depending on member level and home gym.  The Gym would also like to track the last time the member used the Gym and at which location that was.

Exercise equipment have a type of equipment, purchase date, manufacturer, manufacturer support number, warranty status, warranty date.  You can have multiple exercise equipment of the same type, but each one might have a different warranty date.  Equipment can be bought in sets, or individually, and equipment bought at the same time can be sent to different locations.  Equipment of the same type may have different manufacturers.  For example, SCHWINN, NordicTrack, and Nautilus all manufacture Exercise bikes.

Services can have a name, location, membership level, and room the service is offered in.  The services at one location may not be the same at the other location.  Most Services are offered in a tiered structure where some services are offered Beginner Members.  Amateur Members are offered the same services the Beginner Members are offered plus additional services. Pro Members are offered the same services the Amateur Members are offered plus additional services.  Some of the services are fee based and are not offered to any level, but members who pay a fee may be allow to use them.  These services will need to have a fee recorded in the database.

When you create the database tables, be sure to define primary keys, and foreign key relationships as part of the table creation.

Once you have completed the database:

1. Populate the database with enough data to show the database is in Fourth Normal Form.
2. Submit a script file with all the DDL and DML commands required to recreate the database.  The script needs to be named with the following format cs5300-fs2022-<userid>-p01.sql