

## Exercise in English to UML

Give a UML diagram that encodes the following functionality of a health facility database

- Clients are identified by SSN and Name
- Client blood pressures and weights are optionally recorded
- Client meals are optionally recorded
- Meals are composed of component foods (dishes), and these foods are associated with food label info
- Foods can be composed of other foods
- Client exercise activity is optionally recorded
- Exercise activities can be aerobic, strength, and flex
- Aerobic exercise can be on an in-facility machine (for which data like pulse rate can be automatically recorded) or not