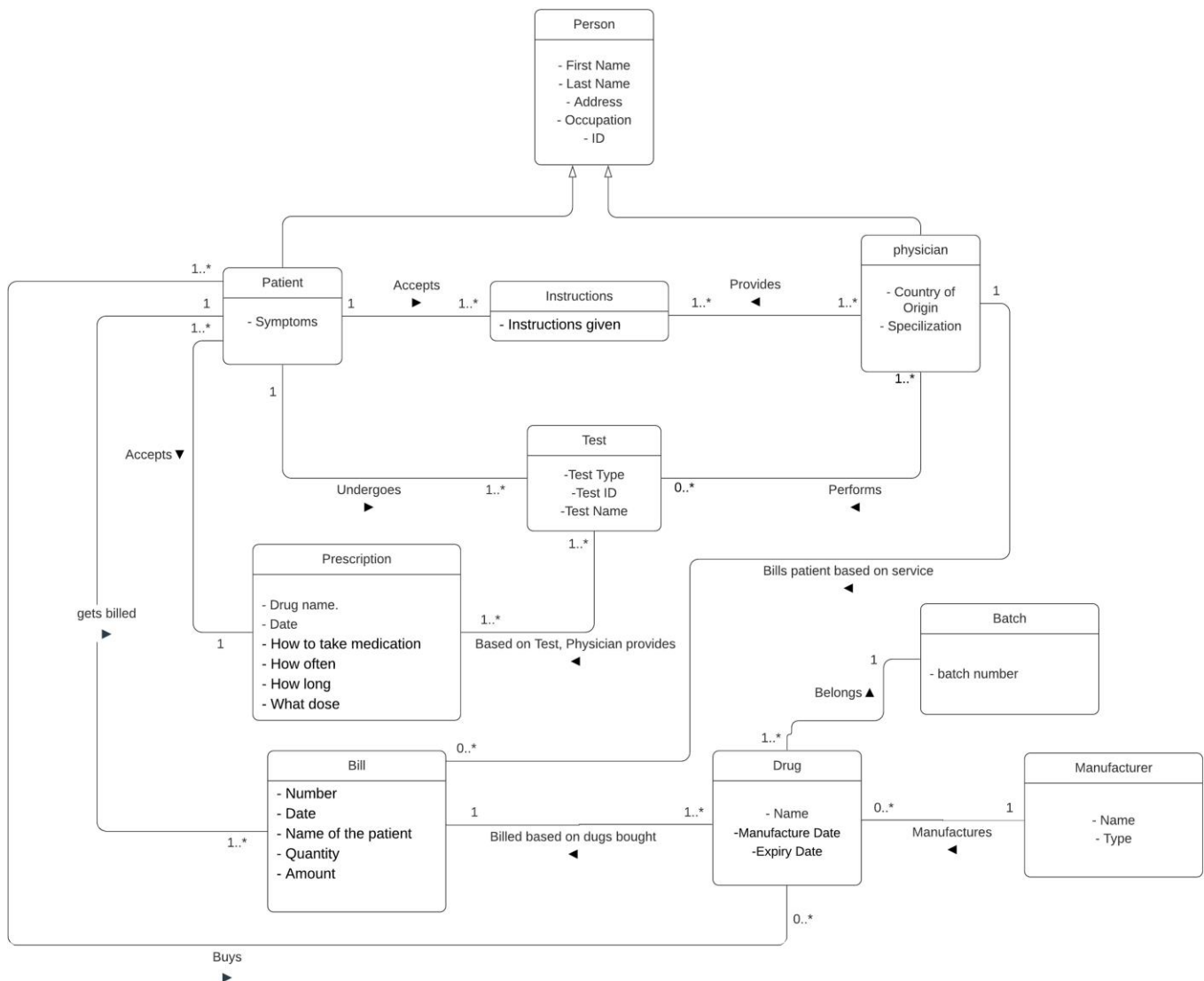


Assignment 1 – Amirthavarshini



Assumptions:

1. Patient and Doctor class are inherited from Person class.
2. Instructions are given to a patients but a patient can receive one or more instructions.
3. A Physician gives one or more instructions to patients and those instructions can be given by one or more Physician as well.
4. A Physician can perform 0 or more test and each test can be performed by 1 or more Physician.
5. One or more prescriptions can be given after a test, also a prescription can be given after conducting one or more test.
6. A prescription can be given to one or more patients but each patients have one prescription.
7. A prescription can be given after conducting more than one test also more than one prescription can be given after each test.
8. Patients buy drugs based on the prescription given by the Physician. A patient can buy zero or more drugs and a drug can be bought by one or more patients.
9. A patient can have multiple bills but one bill cant be given to more than one patient.
10. A Physician bills patient based on the service provided. He sometimes might not bill if its very minor service and sometimes provide more than 1 bill.
11. Manufacturer makes drugs and each drug has a batch to which it belongs. Batches have lot of drugs but each drug belongs to one batch.