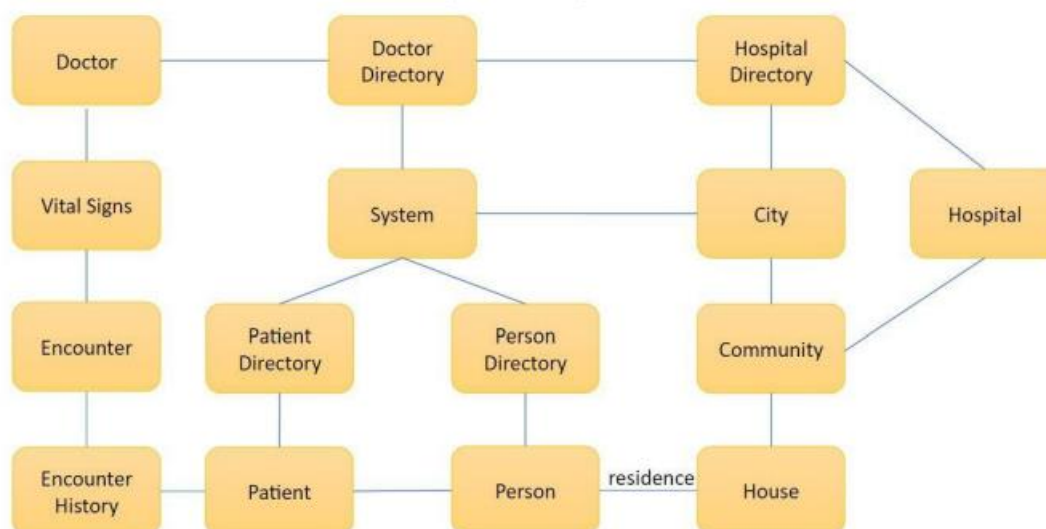**Lab 5 Multipage Application with Design Patters**

This is a group assignment – Group of 3

Deadline – 16/03/2022

Context

This application is a platform for people to find medical resources in different cities and communities. Encounter represent a visit to the doctor's office. The vital signs timeline is linked to the encounters. Each Encounter will have a single Vital Sign component.

Requirement

- **Implement an application based on the given model with Java swing.**
- **Patients can look for a doctor under the nearby hospitals.**
- **Doctors can diagnose and leave encounter records based on vital signs.**
- **Admins can modify hospitals under a community. A system admin can CRUD all data.**

- You're free to have extension design based on the given model, but you're not allowed to delete any element in the model.
- Your application is required to manage user data (CRUD).
- FYI: https://www.codecademy.com/articles/what-is-crud
- UI & UX will be considered as a part of grade.
- Data validation (non-null check, basic data type check)
- Design different roles of users in this application:(System administrator, patient, hospital administrator, community administrator, etc.)
- Draw a class diagram and write the description of your project. Put them in your README file.
- Collaborate on GitHub with peers. Submission details will be discussed in next week's class. Assignment demo is required.
- Mandatory: use 2 Design patterns implementation (any of your choice)
- Make sure project architecture hierarchy is done properly with nested packages segregated into ui and model.