Assumptions

1. Employee, Nurse and Physician has Subtype-Supertype hierarchy. Employee is the supertype and nurse and physician are subtype.
2. Employee, Nurse and Physician shows disjoints constraint with partial specialization.

3. One surgery may or may not be available at any hospital.
4. One drug may or may not be available in any prescription.
5. There are some nurses who might have not pre-examine any patient. So, it is optional many.
6. There are some physicians might not have diagnosed any patients. So, it is optional many.
7. Schedule is an associative entity because there is a ternary interaction between hospital, surgery and visit.
8. Drug Interaction is an associative entity because there is a unary relationship with Drug entity.