Business Rules:

1. Assume some patients may have same address, so each patient address has one or more patients.
2. Each patient will have one or more billing process which contains medical care expense.
3. Each patient’s billing process has one and only one payment history (take it into account entirely).
4. Payment history is designed to decide the status of one billing process.
5. Each patient will have one or more diagnostic records.
6. Assume each record may contain zero or one prescription, and the prescription is provided by, in this case, provider.
7. A provider maybe is a doctor, dentist or consultant. He or She will have zero or many prescriptions.
8. A provider has different roles based on the enterprise or department he worked for during the same time.
9. Provider-Roles is associated with provider and roles to give the details, so both provider and roles have multiple combination.
10. Assume every provider has at least one role.
11. Insurance company will have 1 or many insurance plans.
12. Each plan has one or more insurance company billing process.
13. Each patient may have 0 or more insurance company billing process.
14. Insurance company payment history works the same way as patient payment history.