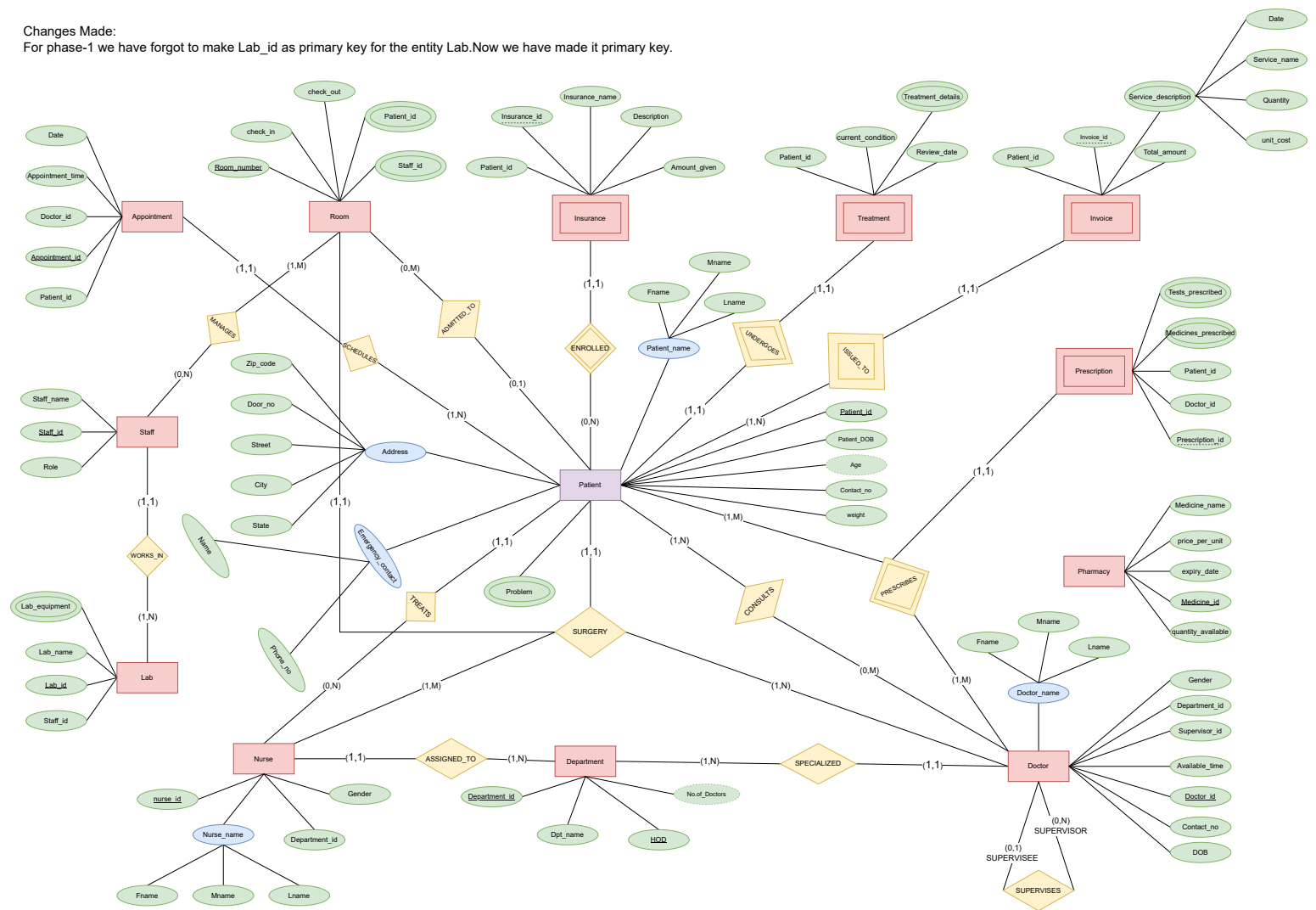Changes Made:
For phase-1 we have forgot to make Lab_id as primary key for the entity Lab.Now we have made it primary key.

We didn't name the subclass in the phase-1.We are naming it to "is a " now.As we have already drawn the ER diagram we are adding the subclass below.