

Changes made to the initial ERD :-

The VitalSigns associative entity has an attribute recorded amount, this is done to avoid the redundant entry of normal amount and vitalName in VitalSignDetails as every time a new record is created it is required to turn in the recorded amount. By changing this recorded amount of vital sign can be stored without any additional redundancy.

Instead of having only the Prescription and Medicine Details entity, we have introduced a new associative entity Prescription\_Medicine which will have both Prescription ID and Medicine ID along with the associated dosage and quantity for the medicines. This helps to have these relationships in 3NF maintaining individual list of medicines and their prices in the Medicine Details entity and then just include the respective medicines required in particular prescription in the Prescription\_Medicine entity.