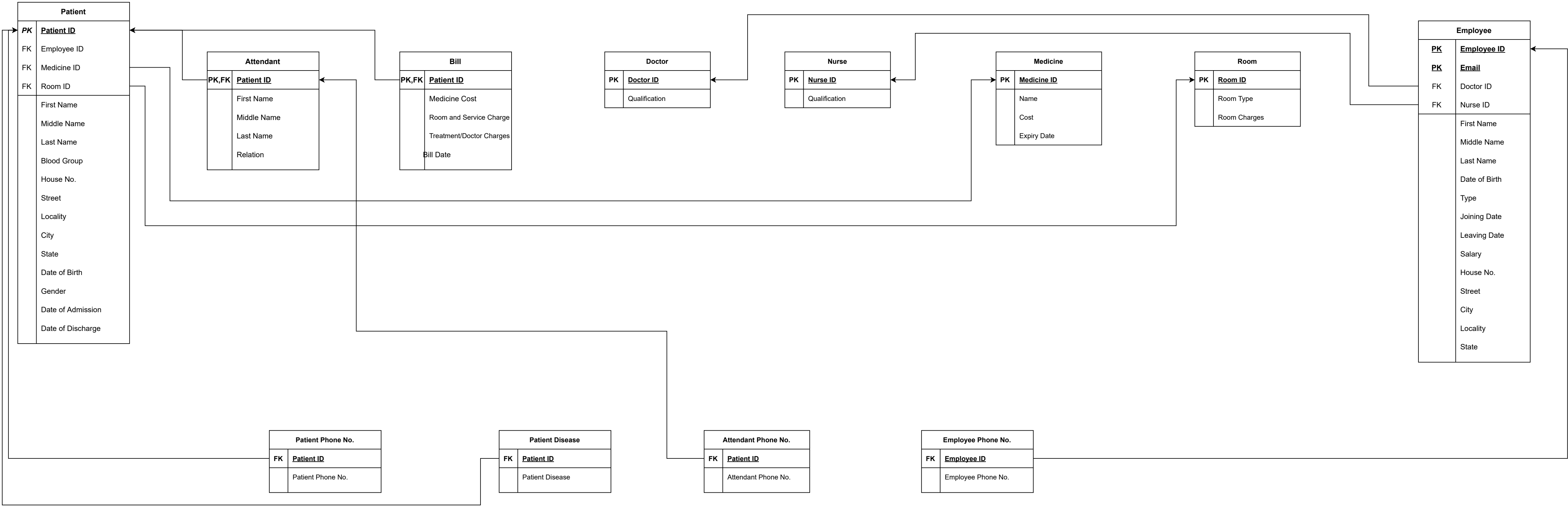


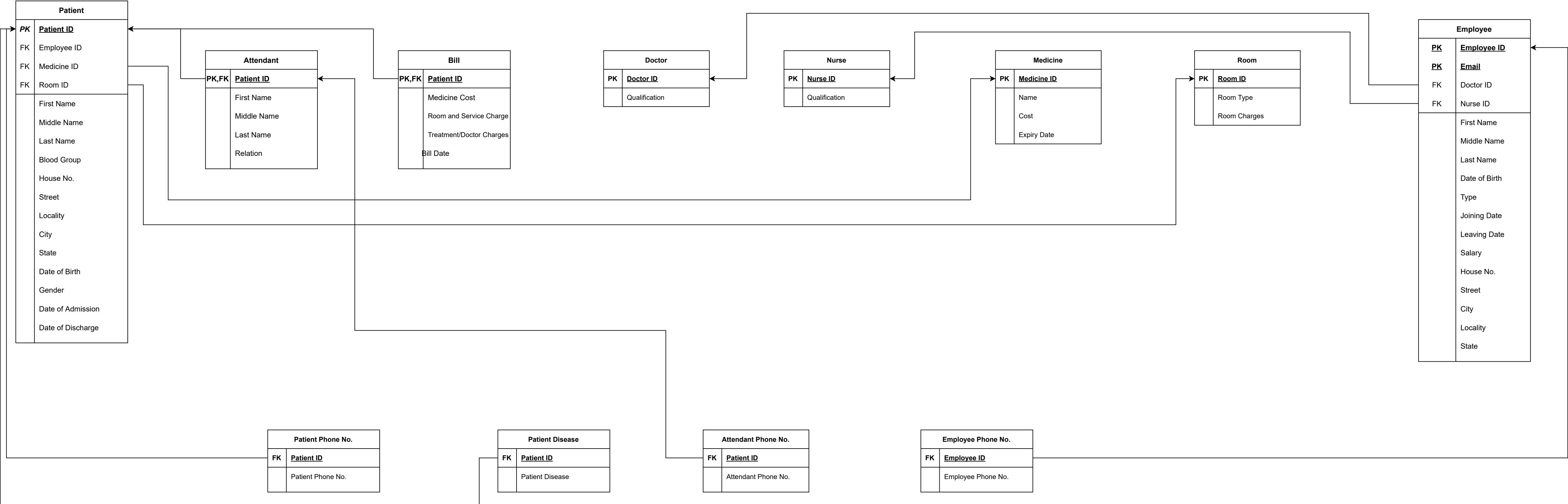
# ER to Relational Model

MiniWorld: Hospital Management System  
Team Name: Deoxyribonucleic Acid  
Team Members:  
a. Chandan Shrivastava - 2020101015  
b. Nachiket Patil - 2020101018  
c. Yash Bhatia - 2020101007



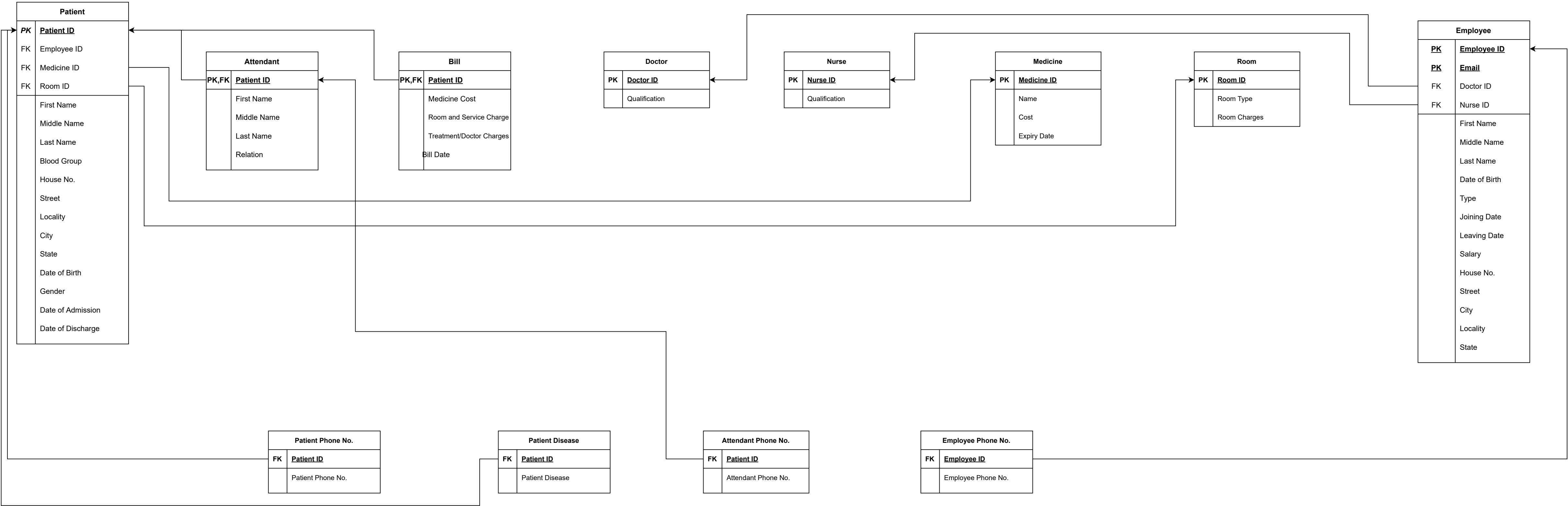
ER to Relational Model:  
1. It states that an attribute of a table cannot hold multiple values. It must hold only single-valued attribute.  
2. First normal form disallows the multi-valued attribute, composite attribute, and their combinations. So, It is broken in same table.

# 1st Normal Form



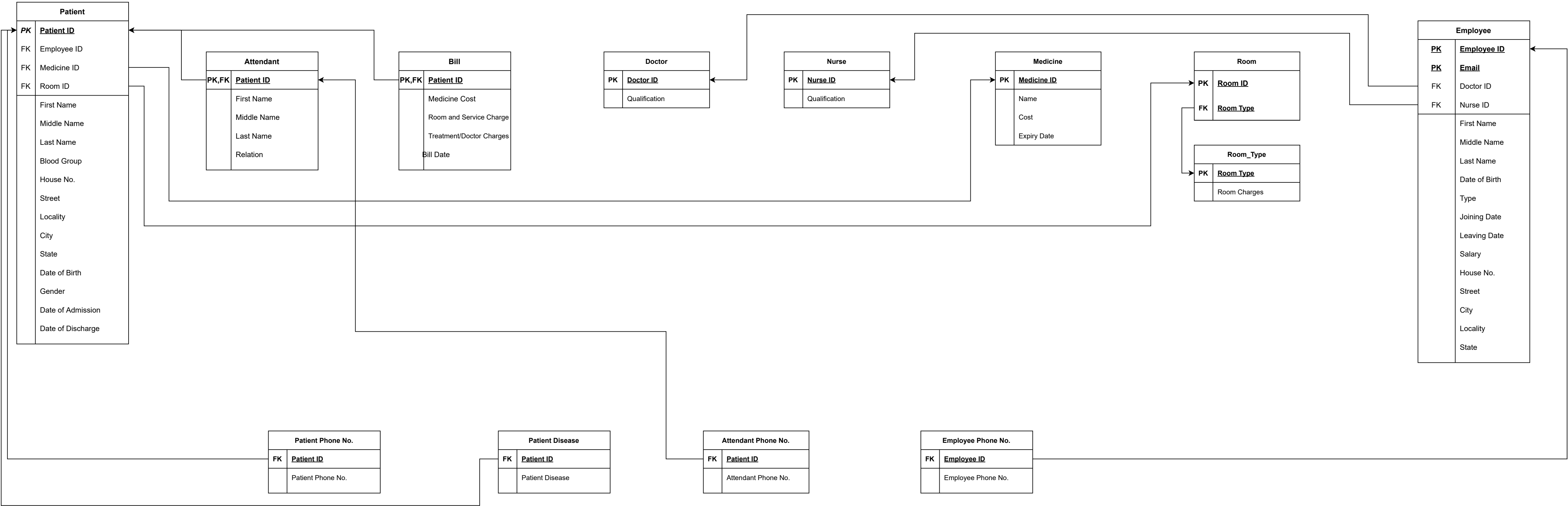
- In 1NF:
1. A relation will be 1NF if it contains an atomic value.
  2. It states that an attribute of a table cannot hold multiple values. It must hold only single-valued attribute.
  3. First normal form disallows the multi-valued attribute, composite attribute, and their combinations. So, It is broken in same table.

# 2nd Normal Form (Same as 1st Normal Form)



**2NF is same as 1NF** because:  
1. All non-key attributes are fully functional dependent on the primary key

# 3rd Normal Form



**In 3NF:**  
1. A relation will be in 3NF if it is in 2NF and not contain any transitive partial dependency.

**Changes made:**  
Entity Room is broken into two parts because Room Charges and Room Type is related to each other which violates 3NF condition