**1NF**

User{user\_id(PK),username(PK),email,password,gender,num\_of\_trip}

Trip{trip\_id(PK),starting\_date,ending\_date }

Trip\_location{trip\_id(FK:Trip),location(PK)}

Rating{rating\_id(PK),location,service,gentility,comment ,user\_id(FK:User)}

Country{country\_name(PK)}

City{city\_id(PK),city\_name, country\_name(FK:Country)}

Hospital{hospital\_id(PK),hospital\_name,rank,foundation\_year,city\_id(FK:city)}

Doctor{emp\_id(PK),age,years\_of\_experience}

Doctor\_Language {emp\_id(FK:Doctor),language(PK)}

Doctor\_Name {emp\_id(FK:Doctor),first(PK),last(PK)}

Surgeon{emp\_id(FK:Doctor),num\_of\_suregeries}

Surgeon\_speciality{emp\_id(FK:Doctor),speciality(PK)}

Practitioner{emp\_id(FK:Doctor)}

Research\_Hospital{ hospital\_id(FK: Hospital),research\_topic,research\_num}

Research\_Hospital\_ResearchTopic{ hospital\_id(FK: Hospital),research\_topic(PK)}

Public\_Hospital{ hospital\_id(FK: Hospital)}

Public\_Hospital\_Dept{ hospital\_id(FK: Hospital),department (PK)}

Private\_Hospital{ hospital\_id(FK: Hospital)}

Private\_Hospital\_Fee{ hospital\_id(FK: Hospital),service\_fee(PK)}

Reserves{user\_id(FK:User),trip\_id(FK:Trip)}

Consits\_of{ trip\_id(FK:Trip),hospital\_id(FK:Hospital)}

Includes{ trip\_id(FK:Trip),country\_name(FK:Country)}

Has{ hospital\_id(FK: Hospital), emp\_id(FK:Doctor)}

WorksFor{ hospital\_id(FK: Hospital), emp\_id(FK:Doctor)}

2NF

3NF