Account (**UserName**, Password, OnlineState)

Profile (**Username**, Email, Telephone, ImageLink, NickName, Visible)

Message (**MessageID**, Message, TimeStamp, Read)

Group(**GroupName**, FounderName, Description, ImageLink)

Contact(**ContactID**, This\_UserName, Contact\_UserName)

ContactRequest(**RequestID**, From\_UserName, To\_ UserName)

SendingSinge(**SingleID**, Account\_Sender, Account\_Receiver, MessageID)

SendingGroup(**GroupID**, Account\_UserName, GroupName, MessageID)

MemberOf(**MemberID**, Account\_UserName, GroupName)

Profile [Username](PK) ⊆ Account[UserName](PK)

Contact [This\_UserName](FK) ⊆ Account[UserName](PK)

Contact [Contact\_UserName](FK) ⊆ Account[UserName](PK)

ContactRequest [From\_UserName](FK) ⊆ Account[UserName](PK)

ContactRequest [To\_ UserName](FK) ⊆ Account[UserName](PK)

Group [FounderName](FK) ⊆ Account[UserName](PK)

SendingSinge[Account\_Sender](FK) ⊆ Account[UserName](PK)

SendingSinge[Account\_Receiver](FK) ⊆ Account[UserName](PK)

SendingSinge[MessageID](FK) ⊆ Message[MessageID](PK)

SendingGroup[Account\_UserName](FK) ⊆ Account[UserName](PK)

SendingGroup[MessageID](FK) ⊆ Message[MessageID](PK)

SendingGroup[Group\_Name](FK) ⊆ Group [GroupName](PK)

MemberOf[Account\_UserName](FK) ⊆ Account[UserName](PK)

MemberOf[GroupName](FK) ⊆ Group [GroupName](PK)