



Description and Assumptions:

A user represents a person.

A user could use multiple emails to log in.

A team contains information to benefit joiners to fit their needs.

A skin has its weapon type and its market price and its name.

A user could speak multiple languages.

A user could have one comment on another user until it update it.

A user could only have one rent transaction with another until it ends.

However, you are able to have transactions with others if you really want to rent multiple skins.

A user could join multiple teams, a team has multiple users.

A user could have multiple skins.

Relational Schema:

User(UserId:INT[PK], Sex:VARCHAR(10), Name:VARCHAR(10), Contact:VARCHAR(30), StudyField:VARCHAR(10), Credit:INT)

Login(Email:VARCHAR(30)[PK], Password:VARCHAR(30), UserId:INT[FK to User.UserId])

Teams(TeamId:INT[PK], FoundTime:Date, Founder:INT[FK to User.UserId], NumMenber:INT, Language: VARCHAR(30)[FK to Language.Name], Lowest_Rank:INT, Highest_Rank:INT)

Skin(SkinId[PK], WeaponType:VARCHAR(30), MarketPrice:Decimal, Credit_Suggest:INT, SkinName:VARCHAR(30))

Transaction(Lender:INT[PK][FK to User.UserId], Borrower:INT[PK][FK to User.UserId], SkinId:INT[FK to Skin.SkinId], StartTime:Date, EndTime:Date, CreditPledged:INT)

Comment(From:INT[PK][FK to User.UserId], To:INT[PK][FK to User.UserId], CommentDate:Date, Content:VARCHAR(100), Rating:INT)

Own(UserId:INT[PK]][FK to User.UserId], SkinId:INT[PK]][FK to Skin.SkinId)

Belong(UserId:INT[PK]][FK to User.UserId], TeamId:INT[PK]][FK to Skin.SkinId)