

Schema - Synergy Space

Relations:

- User(username, password, displayName, email, type, pID)
- Profile(pID, firstname, lastname, occupation, birthdate, gender, homeAddress, homeNumber, cellNumber, description)
- Building(bID, address, city, country, capacity, buildingPhoneNum)
- Feedback(FID, bID, subject, rater, rating, comments)
- BuildingRating(RID, bID, tenant, rating, comments)
- NetWork(userName, friend)
- Owns(owner, bID)
- Renting(bID, tenant)
- Listed(bID, owner, startPrice, datePosted)
- Lease(LID, bID, tenant, owner, startDate, expiryDate, totalCost)

INTEGRITY CONSTRAINTS:

Feedback[subject] \subseteq User[username]
Feedback[rater] \subseteq User[username]
BuildingRating[tenant] \subseteq User[username]
Network[username] \subseteq User[username]
Network[friend] \subseteq User[username]
Renting[tenant] \subseteq User[username]
Listed[owner] \subseteq User[username]
Lease[tenant] \subseteq User[username]
Lease[owner] \subseteq User[username]
User[pID] \subseteq Profile[pID]
Feedback[bID] \subseteq Building[bID]
BuildingRating[bID] \subseteq Building[bID]
Owns[bID] \subseteq Building[bID]
Renting[bID] \subseteq Building[bID]
Listed[bID] \subseteq Building[bID]
Lease[bID] \subseteq Building[bID]

User[type] = {owner, tenant}

Feedback[Rating] = {0~10}

Building[Rating] = {0~10}