

! General note: // or /* are comments to help everyone understand better. Not needed in final version

! Blue ink means questions:

- Should we have a function to check out the house, when renting period is done?
- Should responseToRequest function accepts Request vector instead?

System
// Admin info - username: string - password: string /* Access to all member and house info*/ - members: vector<*Member> - houses: vector<*House>
// Save all data -saveMembers() -saveHouses() // View all stored data - viewMembers() - viewHouses()

App requires admin, so I think we should implement this class

Add password, resume and viewLeasedHouseList functions

Guest
+ viewHouseDetail(*House) + register() No attributes needed

Member
// Personal info - username: string - password: string // For user login - fullName: string - phone: string // Credit point - creditPoint: int // = 500 By default // Owned house - *house: House - ownedHouseRating: vector <*Rating> // Occupier review - occupierRating : vector <*Rating>
// Lease activity & resume + lease(*Member) -> +credit points if success + resume + responseToRequest(&Request) // System displays house list suitable for occupier (availability, credit points, occupier-rating). Then, occupier can view house details) + viewLeasedHouseList(vector<*House>) + viewHouseDetail(*House) + viewReview(*House) // Request approved before occupy + request(*House) + occupy(*House) -> - credit points if success

House
// General info - location: string - desc: string // House review - houseRatingScore: vector<*Rating> - comments: vector<*Comments> - requests: vector<*Request> // House lease details - monthStart: int - monthEnd: int - consumingPointsPerDay: int - minOccupierRating: int
+ method(type): type

Why month?

Add comment bc we need to know the comment content

Rating
- value: int - author: *Member
+ method(type): type

Comment
- house: *House - comment: string - author: *Member
+ method(type): type

What does the "status" mean here? To check if request approved or not?

Request
- house: *House - requester: *Member - status: int
+ method(type): type