Server side app need to support:

All type of Rest api call like: post,put, get , delete

All api will be documented with swagger

The app will use mongodb

Need to be able return 500 errors (open to suggestion how to do it )

The app will be home residence app

Example Json :

{

"Contacts":[

{

“id” : 123 ,

"FirstName": "Daria",

"Lastname": "Shalimov",

"Phonenumber": 0545454545,

"Appartmentnumber": 305,

"pets": ["dog"]

},

{

“id” : 4055 ,

"FirstName": "Lior",

"Lastname": "Levi",

"Phonenumber": 05453334545,

"Appartmentnumber": 405,

"pets": ["dog", "cat"]

}

]}

Example Json2 :

{

"Apartments":[

{

" ApartmentNumber": 304,

"City": "tel aviv ",

"street": “hamasger”,

“Building number”:100

"numberofrooms": 3,

“id” : 123 ,

“rent”:1000.343

},

{

" ApartmentNumber": 34,

"City": "Holon ",

"street": “eli cohen”,

"numberofrooms": 5,

“id” : 4055,

“rent”:5000

} ]

}

1. Need to have authorization call, with correct option that will return key that we will be able to use to next call. also error message to incorrect authorization , and also error if user try to enter the app without authorization (only admin user can do the calls )
2. Need to have more than 4 users – 2 admin and 2 not admin
3. The contact list can have only 1000 contacts, if user try to add 1001 contact , error message should be return

Calls

1. **Post calls** :
2. Add new user details: user should have: name, phone number, apartment number, pet(list). All fields are mandatory.
   1. if user is missing some filed , error message with filed name should return
   2. If user already exist should return error the user exist
   3. If the call is correct , the new user should be add to user list
3. Update call , also should be same as add new user , but will have some parameter will update like {original call}/update/{phone number} if the phone number is the same , it should update the existing user , if phone number not exist , should return error
4. Should be error if phone number is incorrect like 054666
5. User should be able to add one contact or contact list (more than one contact at the same call)
6. Post new apartment (same options and errors like post new contact call ) + also should work as update same as in contact
7. POST raze rent for a building ( the call need to receive some city , street and apartment number parameter and int parameter as percentage and according to it raze the apartment rent
8. POST Raze rent for apartment ( the call need to receive some int parameter as percentage and according to it raze the apartment rent

**Put call**:

Put call should be able add new user even if the phone number already exist in the system.

Put apartment for new

**Delete call:**

Should be delete option by phone number

If contact was deleted should return success message, if user trying delete with number that is not exist, should return error message

If there is more than one user with the same phone number, it should delete the first one and say to the user that there is more contacts with the same number

* + Delete apartment ( only admin can do it )
  + Delete building (only admin can delete building)- receive street , building number and city
  + Cannot delete apartment with residence ( need to check if the apartment number exist in the contact list )

**Get call :**

1. Get all contacts – return list of all contacts (each contact is an object type )
2. Get contact by filed ( should support all fields )- can be a list , if there is no such filed name should return error , if the filed name exist but not equal to the value should return employ list

GET {api call}/pet=qwerdcs 🡪 empty list

GET {api call}/petqqqq=dog 🡪 error message

1. if user search only one pet and contact have more than one pet it will return the contact

GET {api call}/pet=dog 🡪 can return user that have both cat and dog

1. Get list by some order, like abc for first name. or asc for apartment number
2. Get apartments by city/id/rent ( return array )