ISYS2410

Assignment 1

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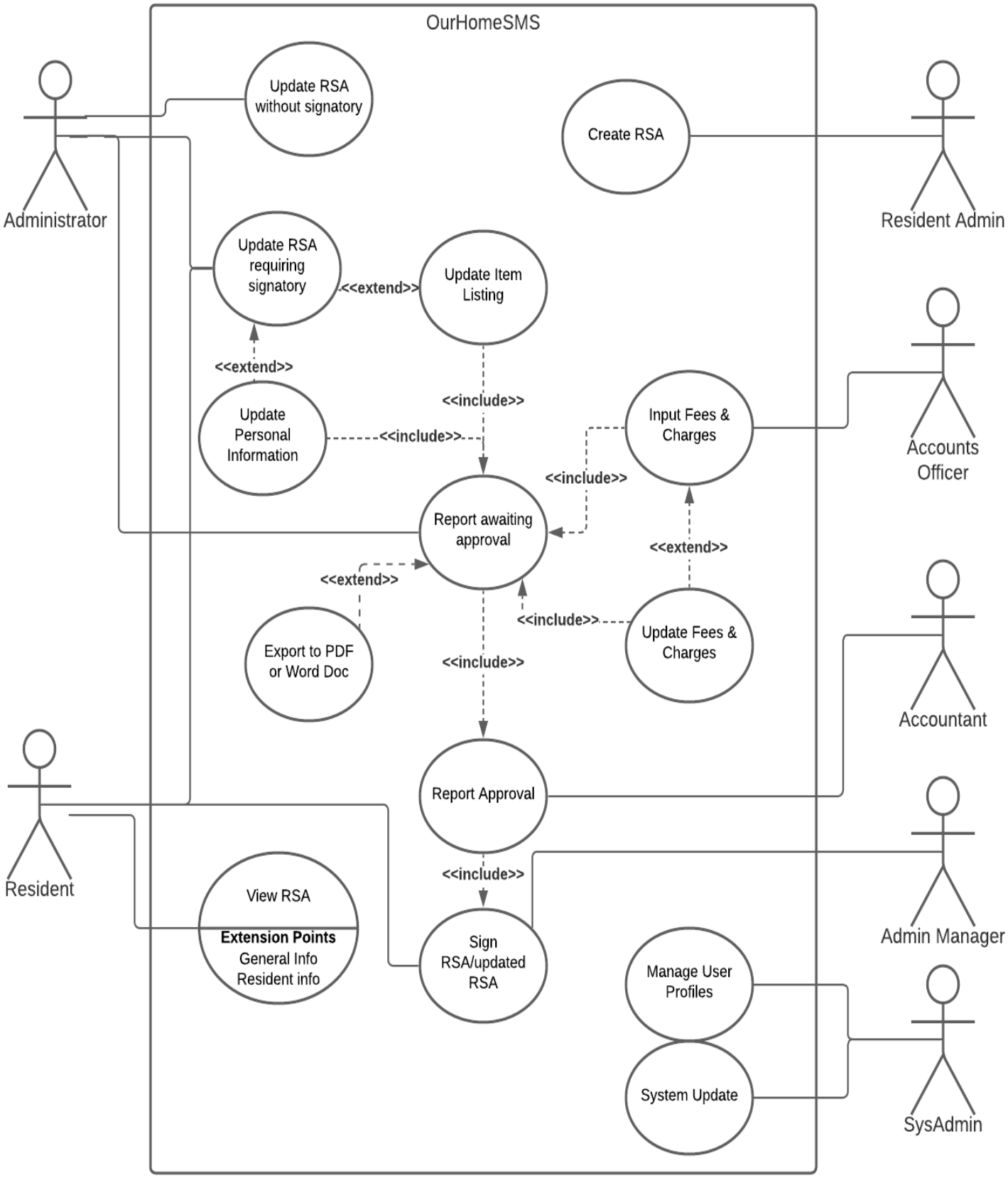
Task 1 OurHomeSMS use case diagram



Task 2 class A textual description

Use case name:	Update RSA requiring signatory
Version	1.0
Goal	Update information on the RSA
Summary	Updates are made to the original RSA to include or exclude any changes made by the resident. These can require approval or proof other can be bypassed and changed without approval.
Actors	Resident
Pre-condition	Resident has current RSA
Triggers	Resident enters new information into the provided tablet requesting change to the RSA
Basic course of events	1. The Actor selects a section from the RSA information to be updated 2. The System displays which information is to be amended 3. The Actor updates personal information 4. The Actor updates financial items 5. The Actor requests to vacate 6. The Actor updates health information 7. The system updates the RSA to include new information
Alternate paths	AP3.1 The admin requires verification of name change or any other relevant information requiring proof 3.1.1 The actor attaches proof document AP 4.1 The admin requires proof of value to the items added and inspection of item. 4.1.1 The actor attaches proof document (receipt) and picture of item in question in residence. AP 5.1 The admin requires any proof of major medication changes 5.1.1 The actor provides Dr. proof of new regiment.
Post-conditions	Information is updated after approval or declined if requirements are not met the RSA is amended to suite the new information gathered.
Business Rules	Any information that changes a legal item shall require written documentation as proof to change e.g. Name, medication. All items over a certain value should also be proofed from receipts and evidence of existence.
Notes	Sections changeable without repercussions should be listings readably changeable including phone numbers however should be checked to ensure are valid numbers. Fields should be marked that require proofing within application; proof should be verified as uploaded prior to any information sent. Should have a set value of item that can be included in the spreadsheet anything under should not be deemed as a “valuable” to reduce database system.

Task 3 class A Develop requirements

1. Performance
1.1 The system should run smoothly on tablet device henceforth minimal system memory should be sought after.
1.2 System transfer packets will be minimal to allow for the lowest internet connection speeds.

Performance is the efficiency of the program/application to do its tasks. It relates to how quick the response times, recovery times, resource usage is allocated. Since this is a tablet device the transfer of data to amend the database should be limited in a way in which the device can use it at 100% rate without penalty even while multiple resources are in use on the device.

2. Implementation
2.1 The system shall be coded in a multi-language compatible format
2.1.1 The system shall be coded in a way to be client transferable to iOS for future compatibility if devices were to be BYO or changed.
2.2 The system shall be readably updateable and easy to maintain

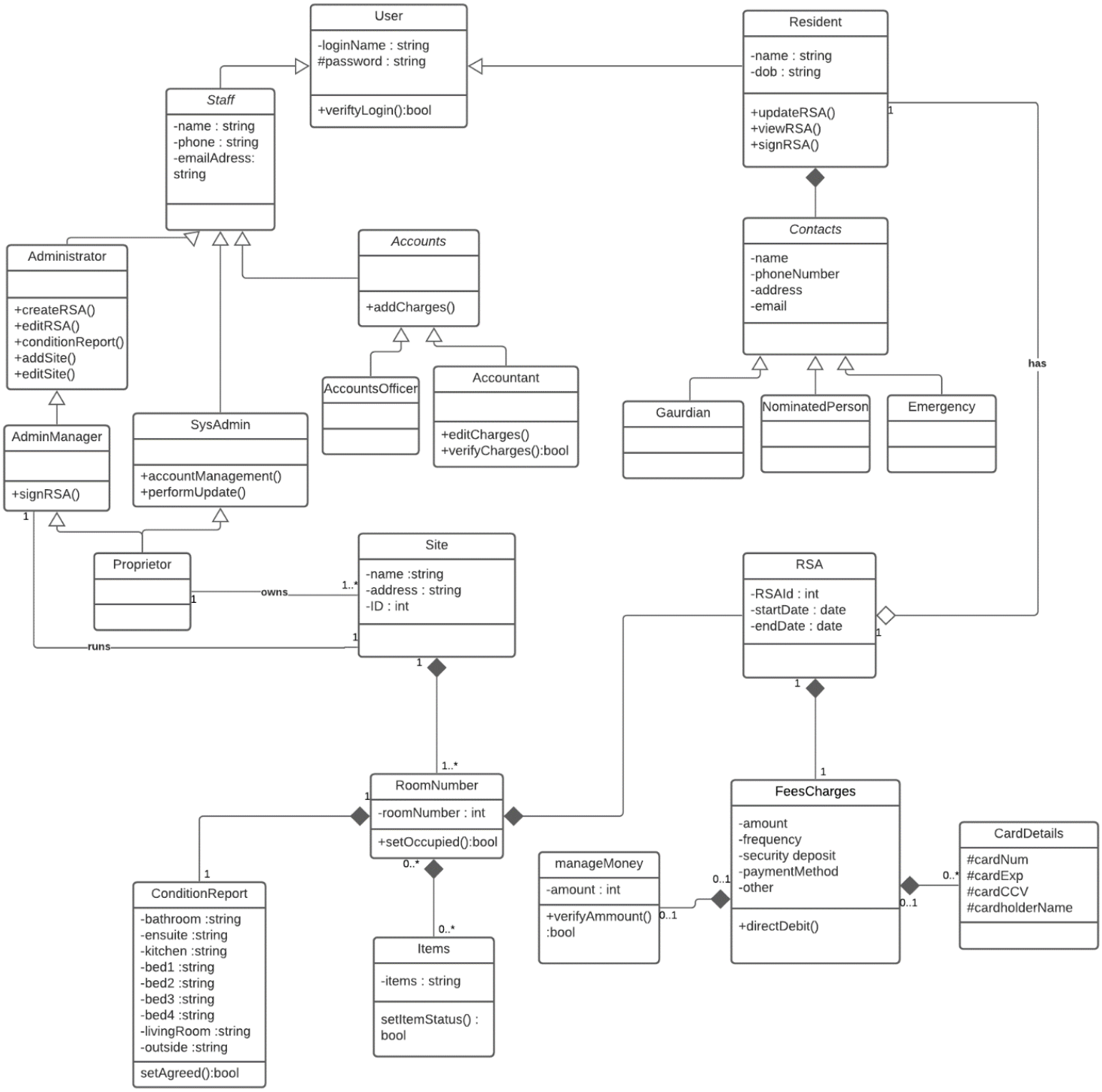
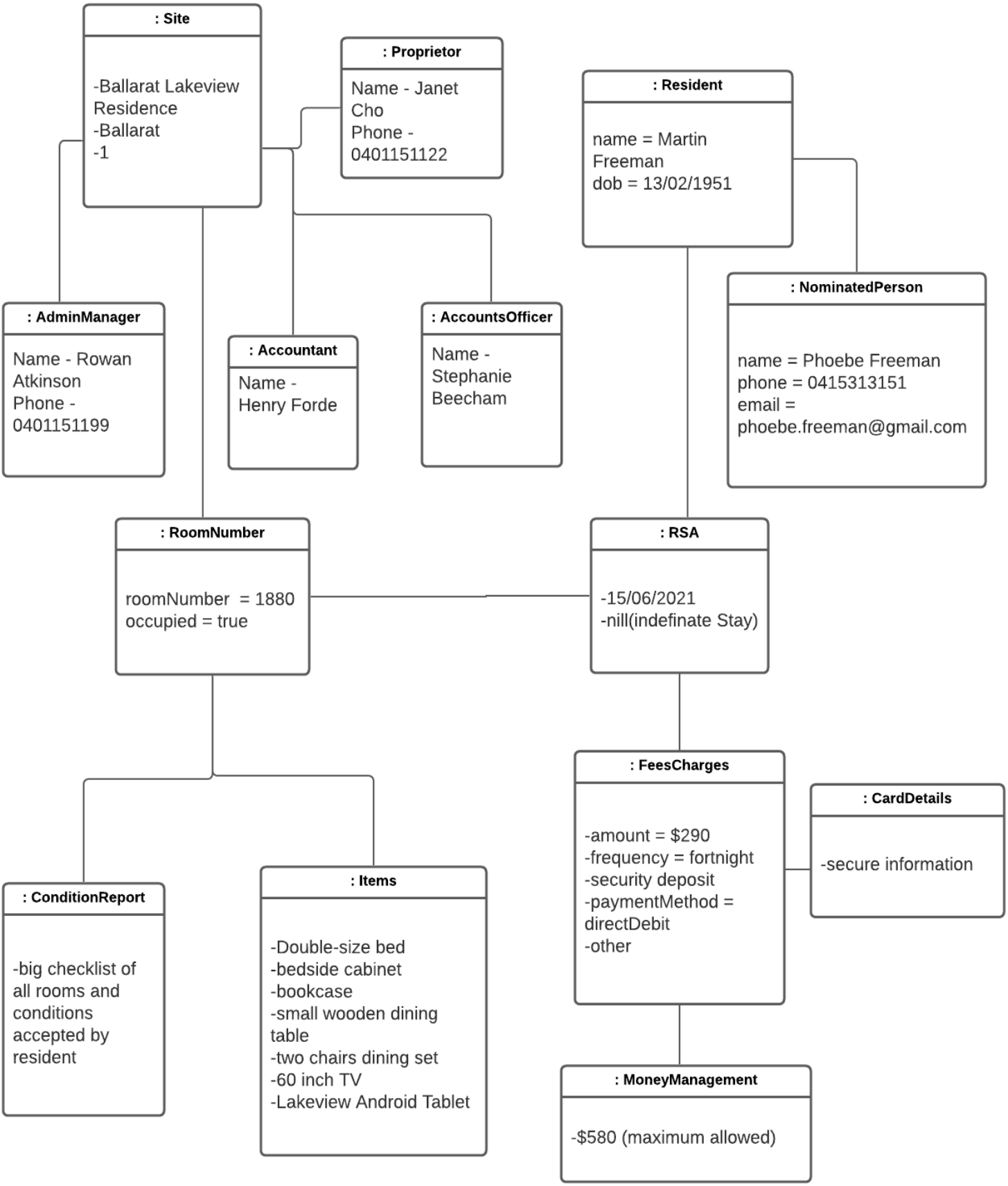
Implementation is how the software is written to coexist with the hardware they are run on, the operation and maintenance of this software also. If the current system is coded to suite only the current setup which is android and has to be completely recoded if a change of device was implemented later. In this case a universal compiler to work on both mainframes should be sought at the beginning to allow for expansion later also allowing everyone to access it on there own device. There is nothing worse than a Android/iOS specific application reaching 100% users should be the main focus.

3. Other than accounts/admin
3.1 SysAdmin(not inclusive as admin per guideline) as a super account should have unlimited access in its entirety.
3.1.1 login shall be protected from any other user.
3.1.2 Extra functionalities bypassing restrictions shall be within this scope.

3.2 Resident will be able to view information specific to them
3.2.1 Resident should be locked out of everything other than their information.
3.2.2 The system should recognize any unwilling changes made with the option to undo changes as not everyone is tech savvy and mistakes will be made.

3.3 Proprietor shall have all access that Admin and SysAdmin
3.3.1 Proprietor should not have access to software coding or updating although stated unless otherwise qualified with knowledge to do so.
3.3.2 System shall not allow any changes to be made without adhering to restrictions of the code for SRS

Task 4 OurHomeSms Class diagram



Task 5 object Diagram