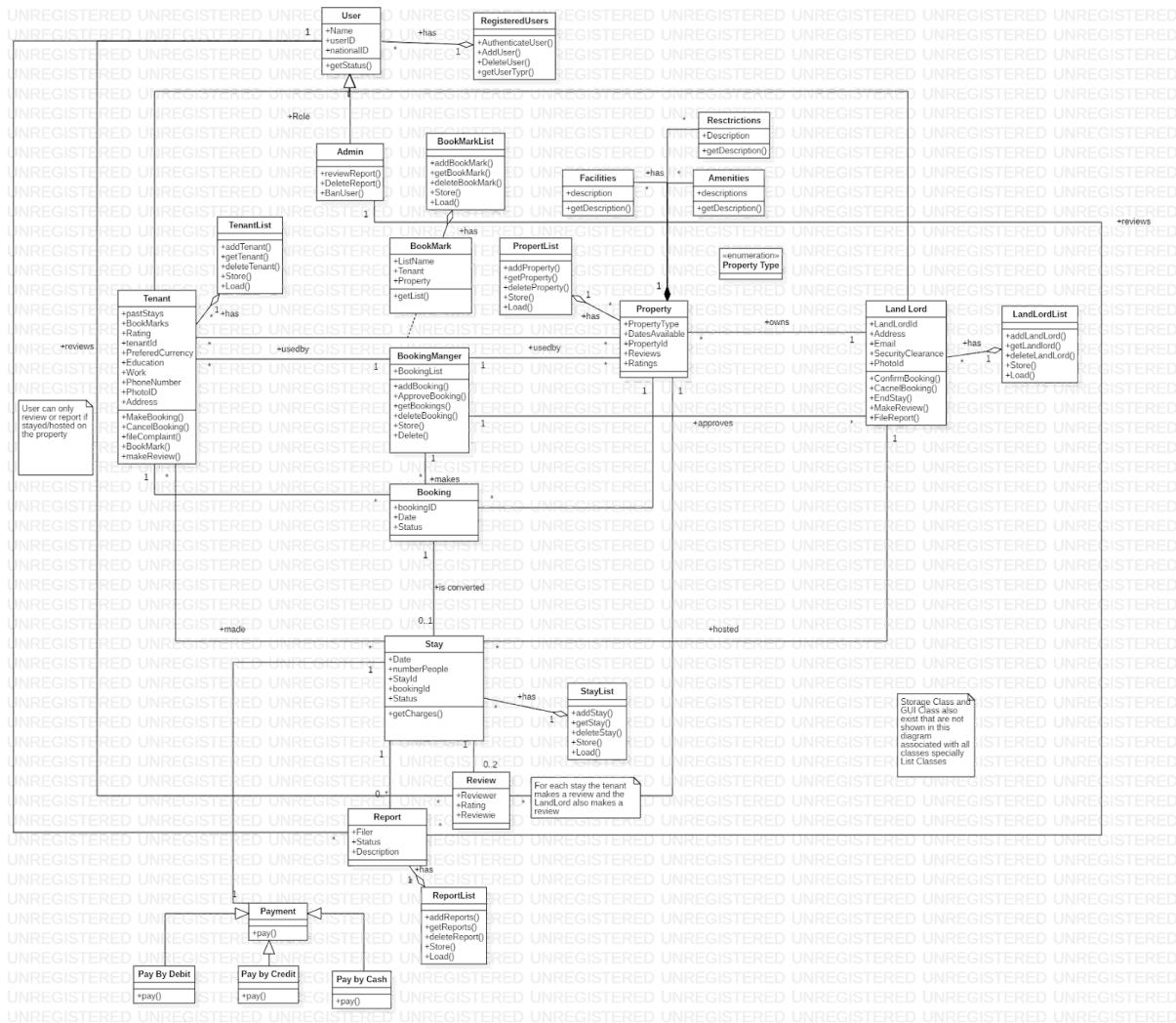


Air BnB

Phase 2

Class Diagram:



Description:

In our system all the classes can be divided into mainly three types of class.

- 1) GUI-Classes responsible for graphical interface
- 2) Storage-Classes responsible for storing the backup of the system
- 3) Business- Classes responsible for implementing the business logic of the system.

According to the description of the phase 2 only classes pertaining to the business logic.

Following is brief description of the essential responsibility of each class.

- User:Base class for tenant, admin, landlord.Holds common information for all three.
- Landlord: Holds basic information and actions of the Landlord of our system
- Tenants: Holds basic information and actions of the tenant of our system
- Admin:Here the admin is only responsible to handle reports and complaints;taking appropriate action when necessary.In our system the admin only steps in when there is a problem between the tenant and the Landlord
- Property :Holds the basic information and associated actions for a property in our system.There are couple of classes such as facilities , amenities and restrictions that define a property
- BookMark:Holds information about the property that a tenant wants to review later
- Bookings: Holds information about the booking made by the tenant for a specific property and specific information.The class is also created for bookings that are not approved the status flag signifies if the booking has been confirmed or not
- Stay:Holds information for the actual stay made by a tenant.The payment , review , and report classes are all associated with this class, that give information about the stay.The stay class represents a successful exchange of service between the tenant and the landlord
- Booking Manager: Is a class that controls and carries out all the actions associated with booking and cancelling a booking.It also stores the list of all the booking currently made in the system.The class acts as a mediator for all associated actions of booking.

- Registered Users: Is the class that holds registration credentials for all users and is responsible for registering, logging and deleting users

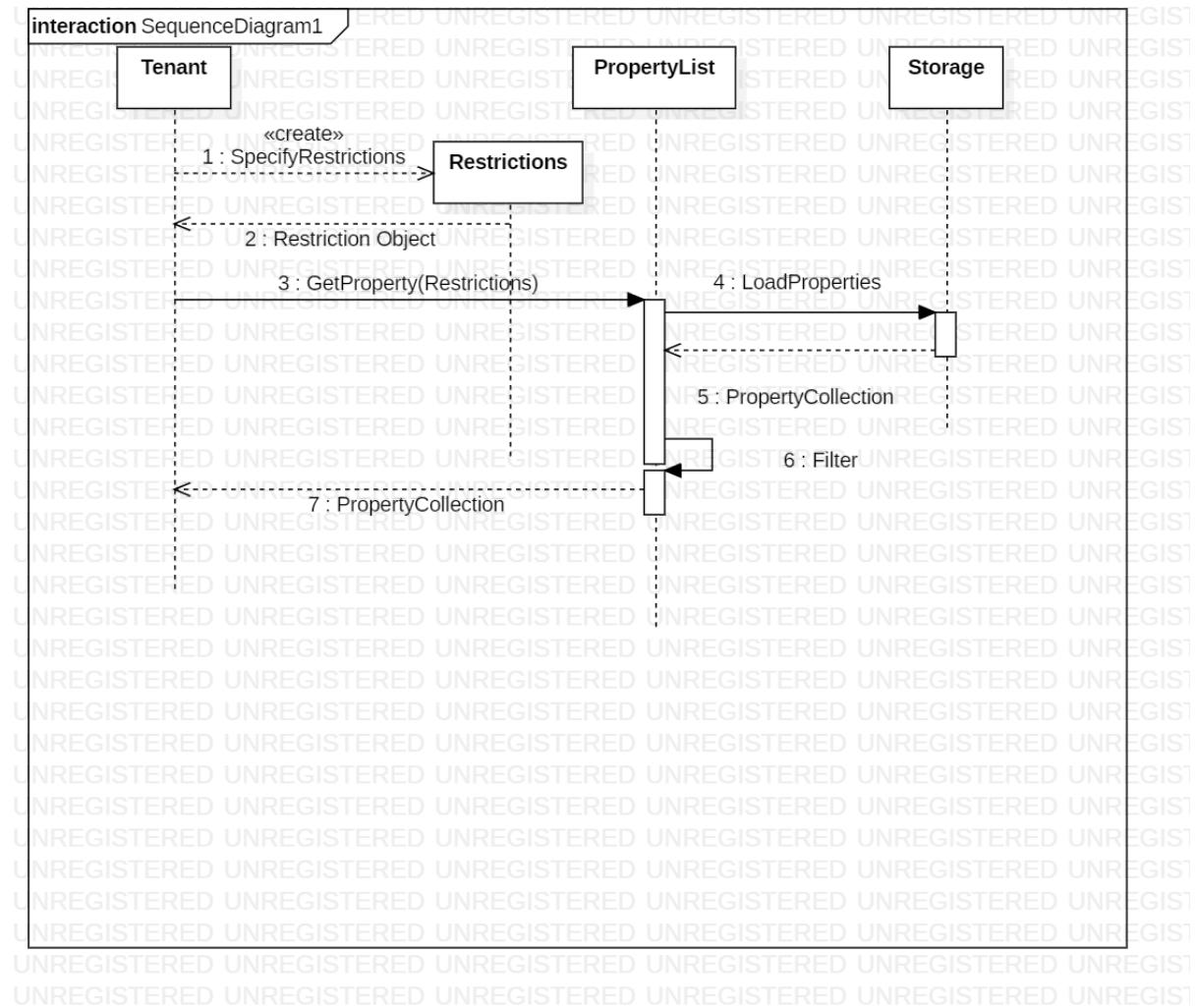
Additionally the following classes are also associated with the business logic of the system but these classes act as the mediator with the database and are responsible for maintaining the collections of their respective classes. These classes include:

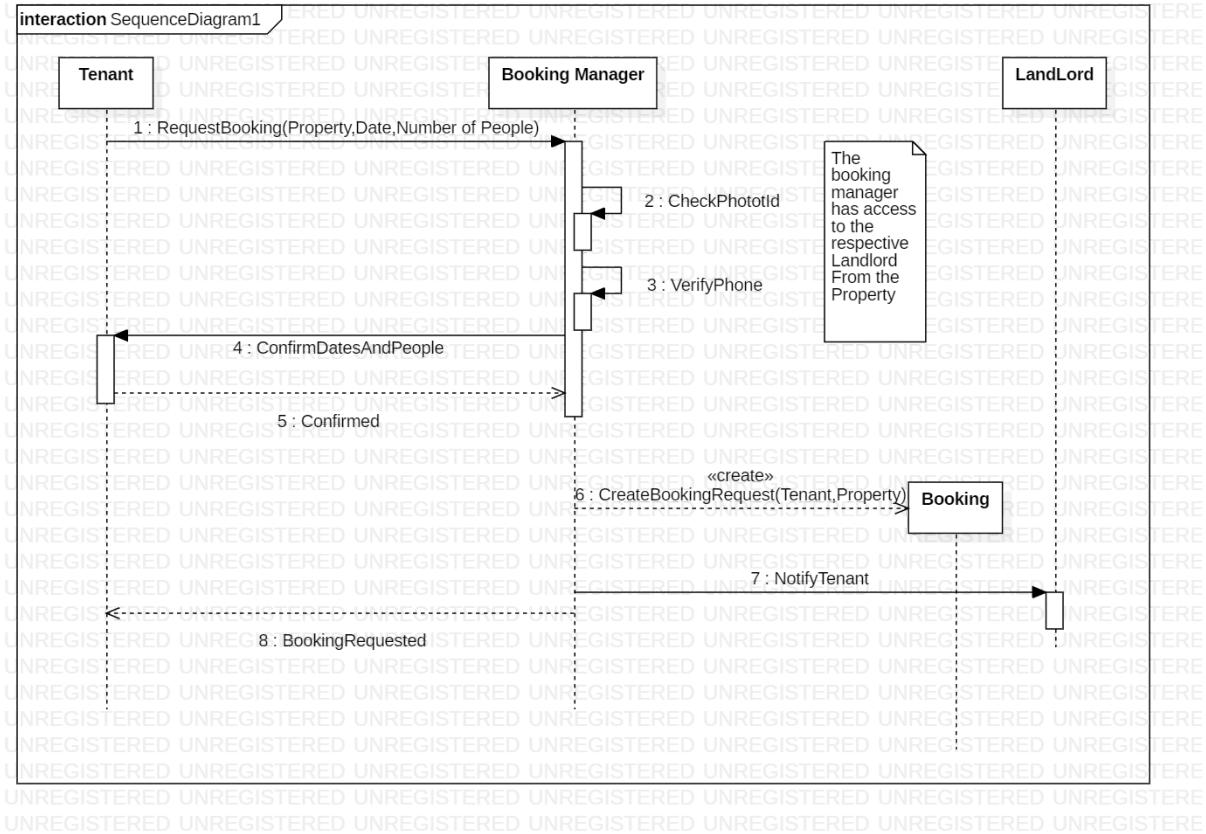
- RegisteredUsers
- TenantList
- LandLordList
- PropertyList
- BookMarkList
- StayList
- ReportList

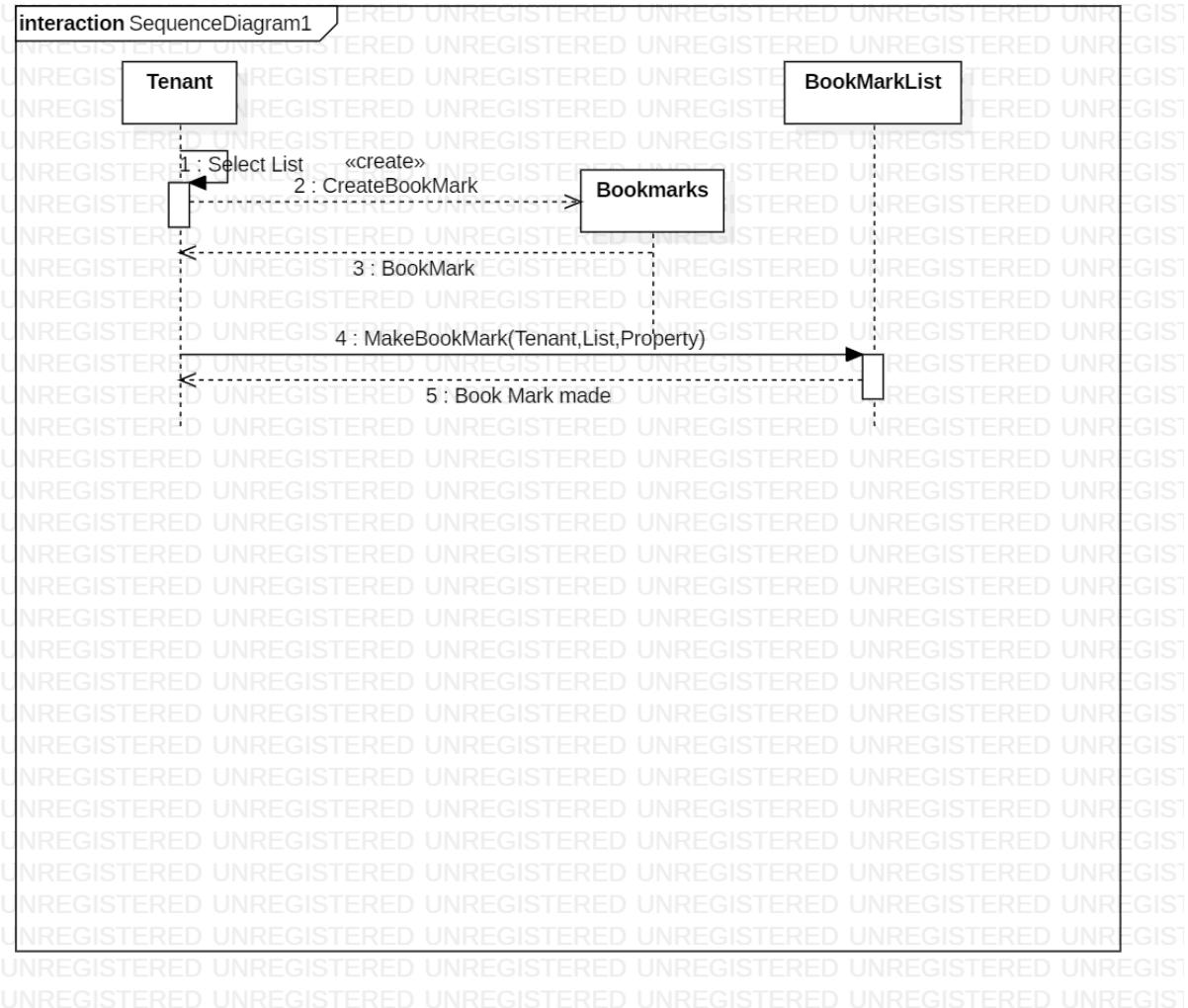
Sequence Diagram(Individual Contribution):

(NOTE: If an individual's diagram is not matching the above class diagram he is to be held responsible in his/her individual capacity not bearing any affect on the groups design decisions.)

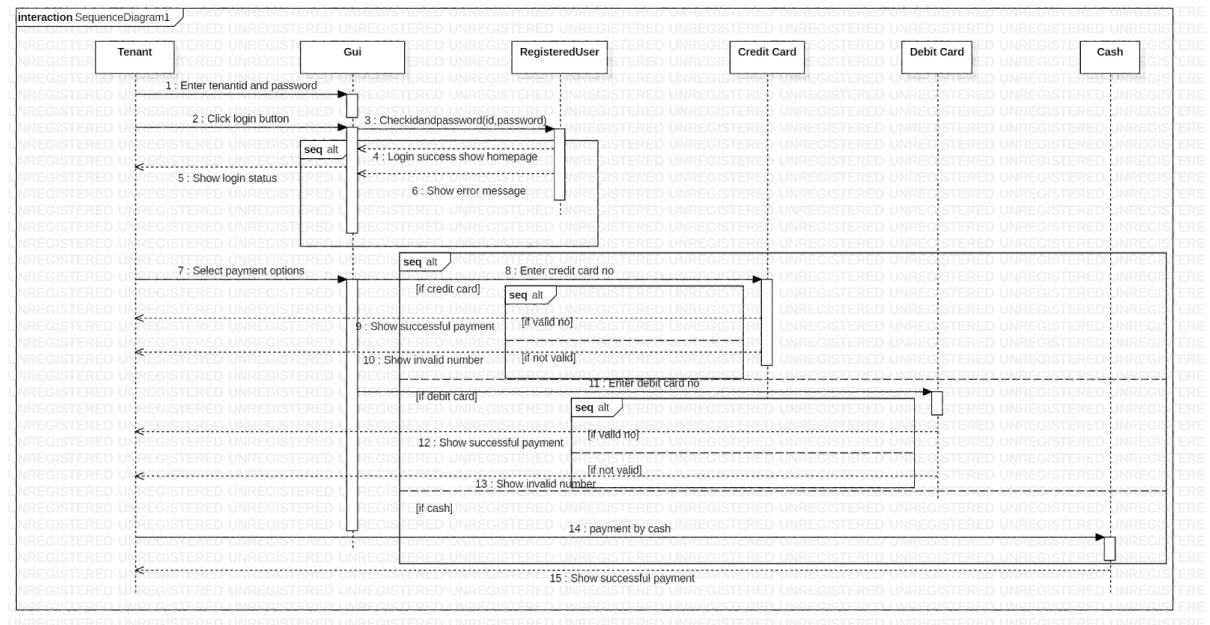
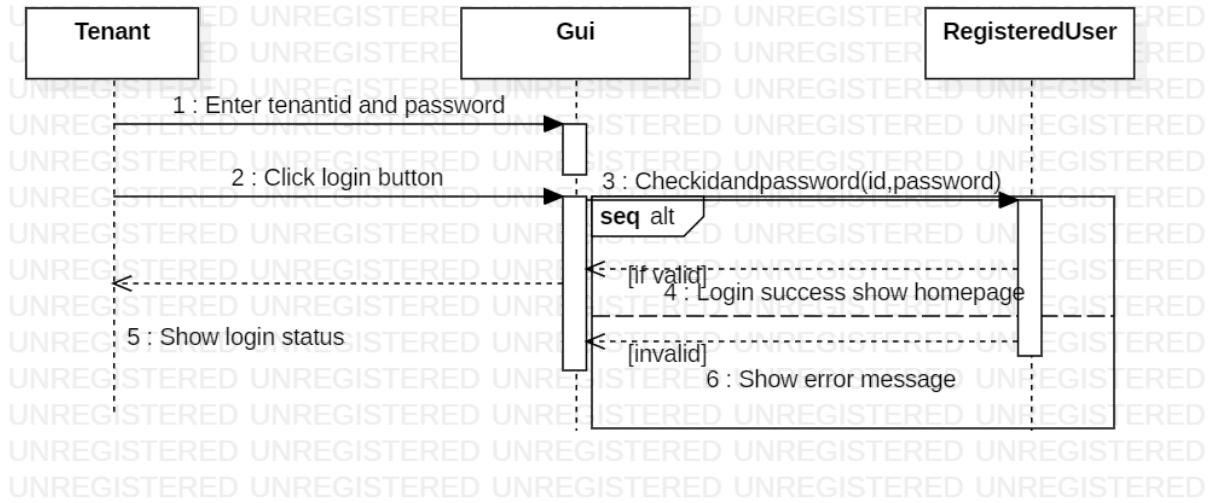
Nashit Bin Mashkoor

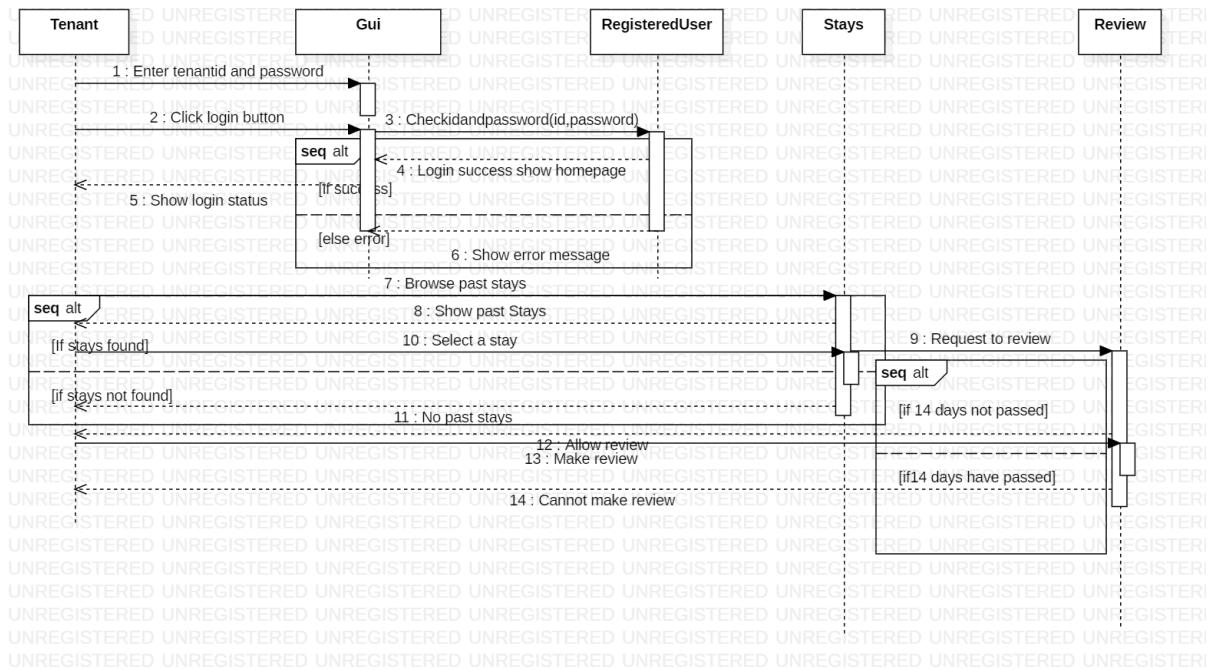




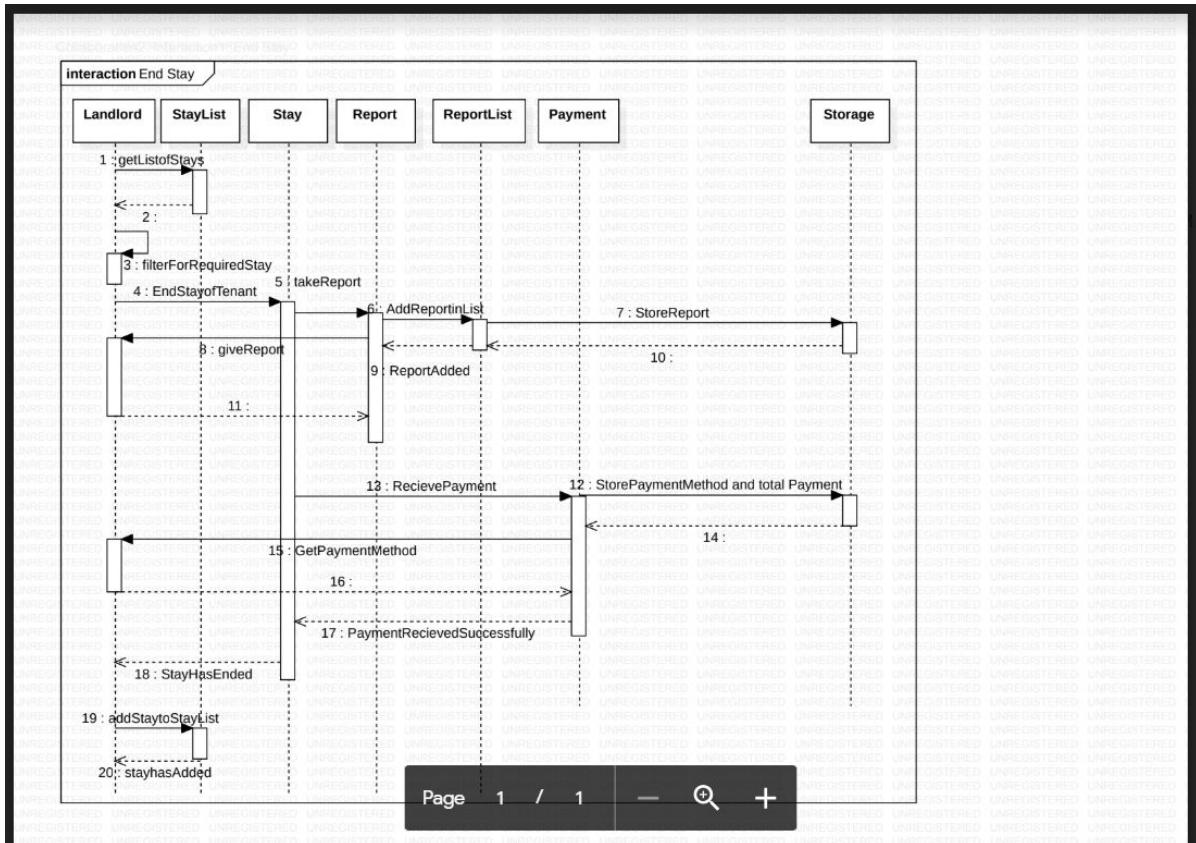


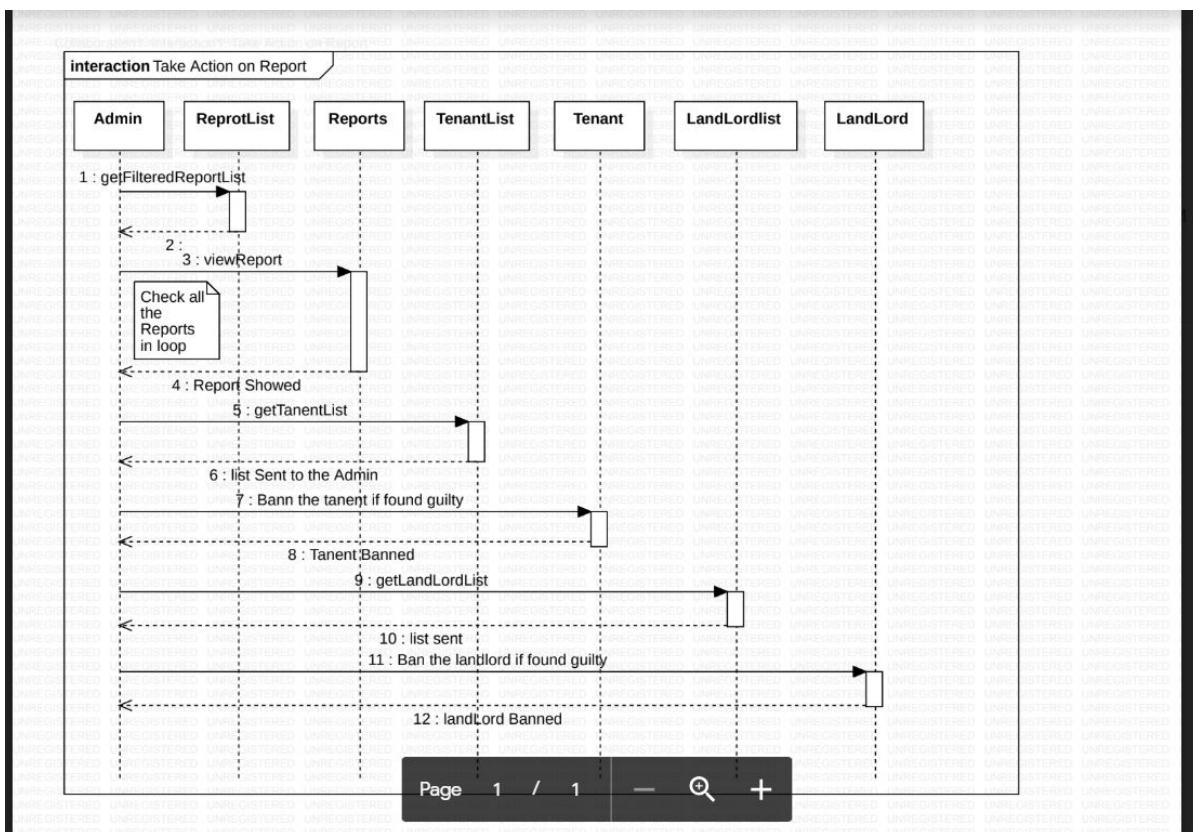
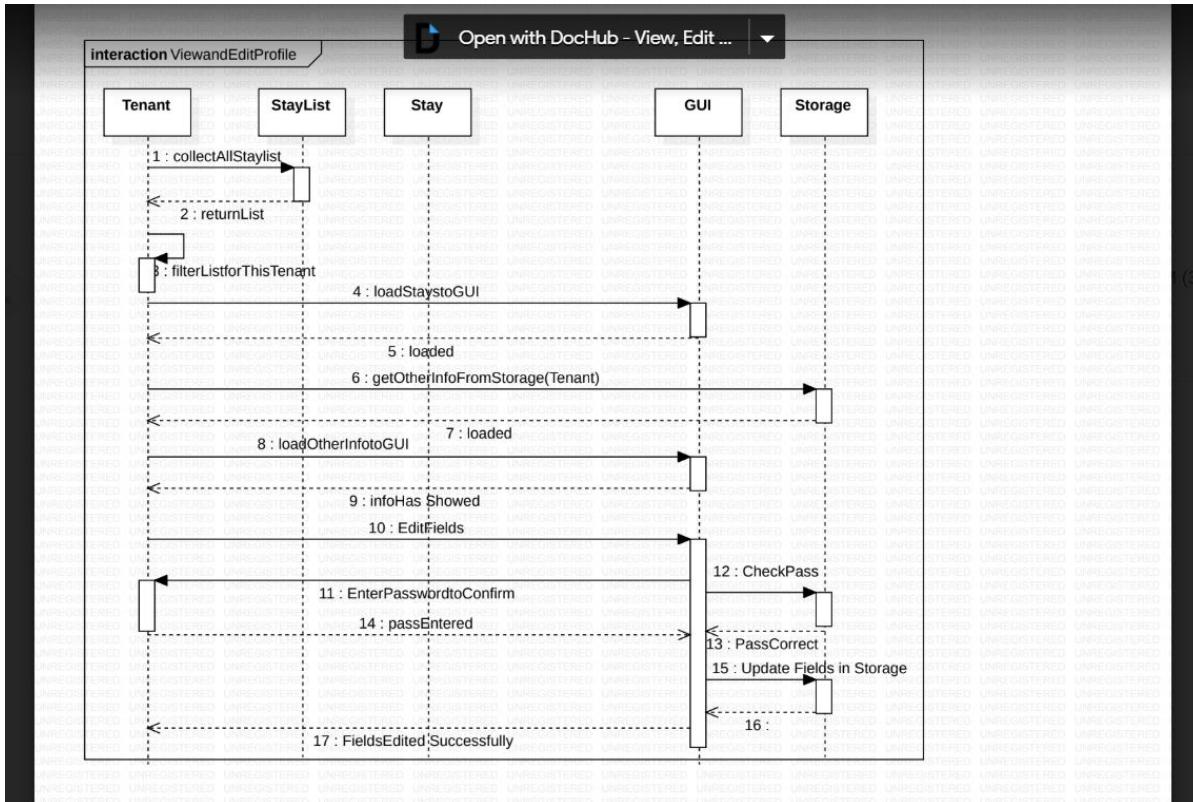
Zain Arshad



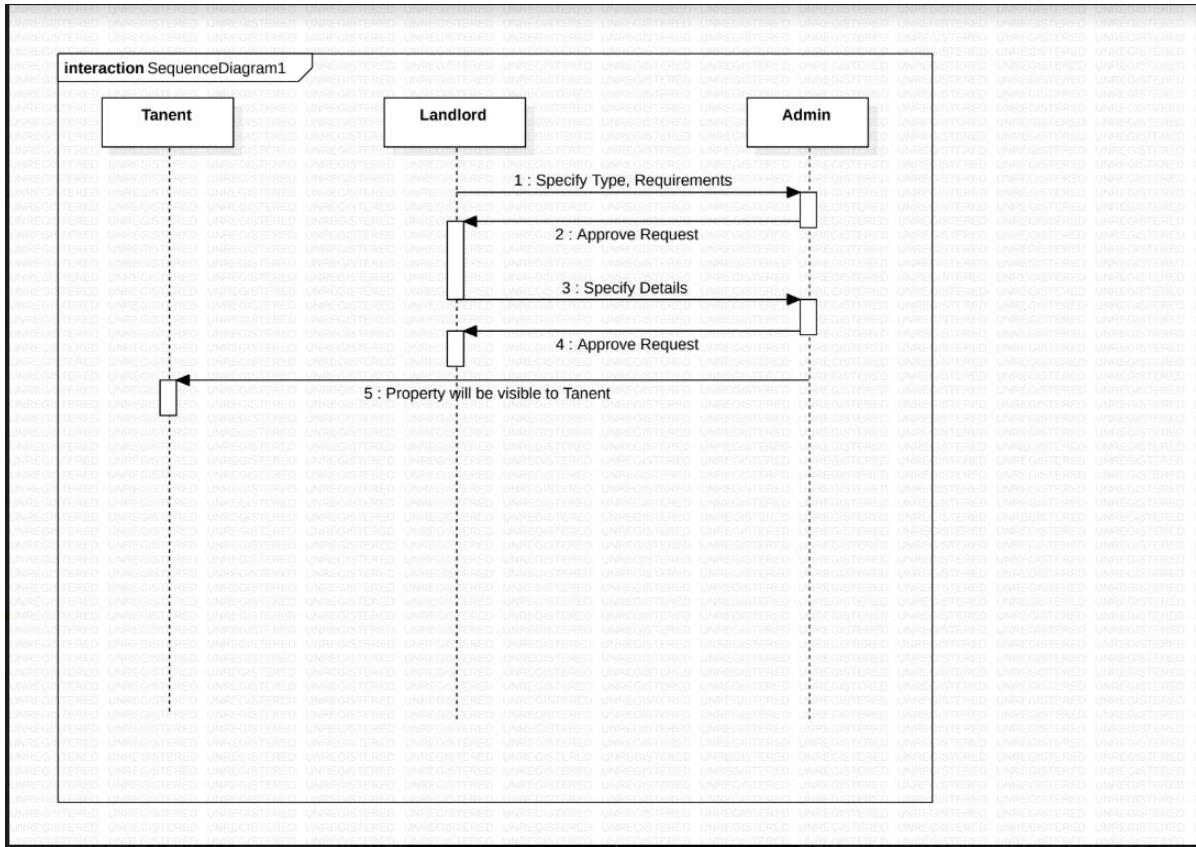


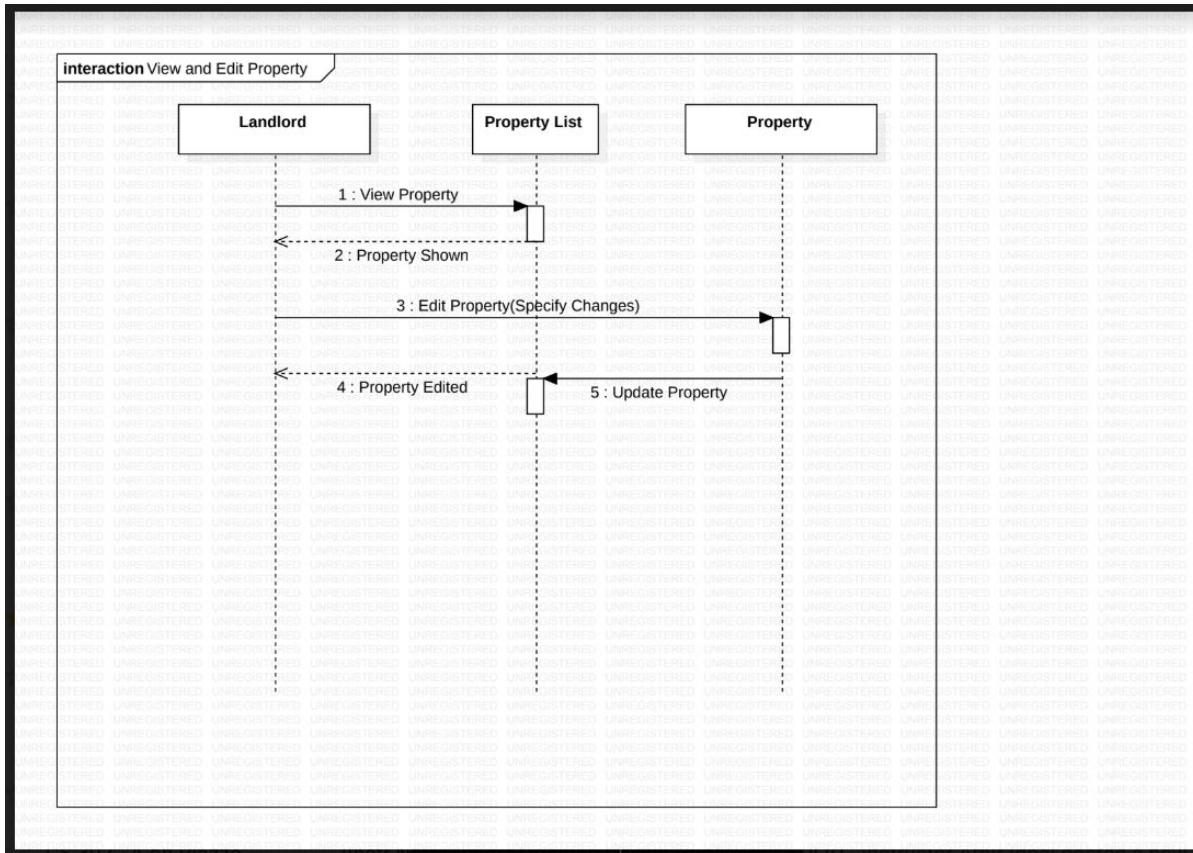
Zulqarnain Haider

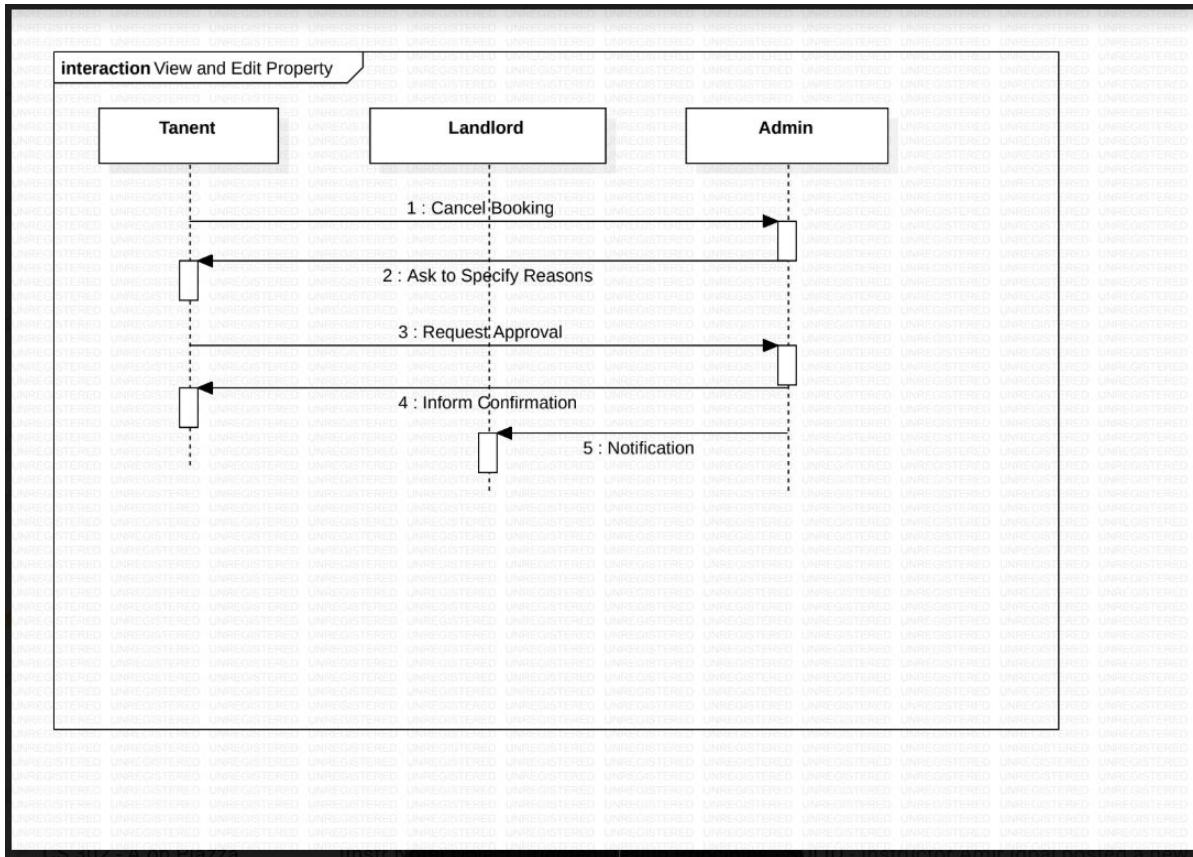




Abu Bakar Siddique







Abbas Ahsan

