

Design Document

Group 4 - Communications

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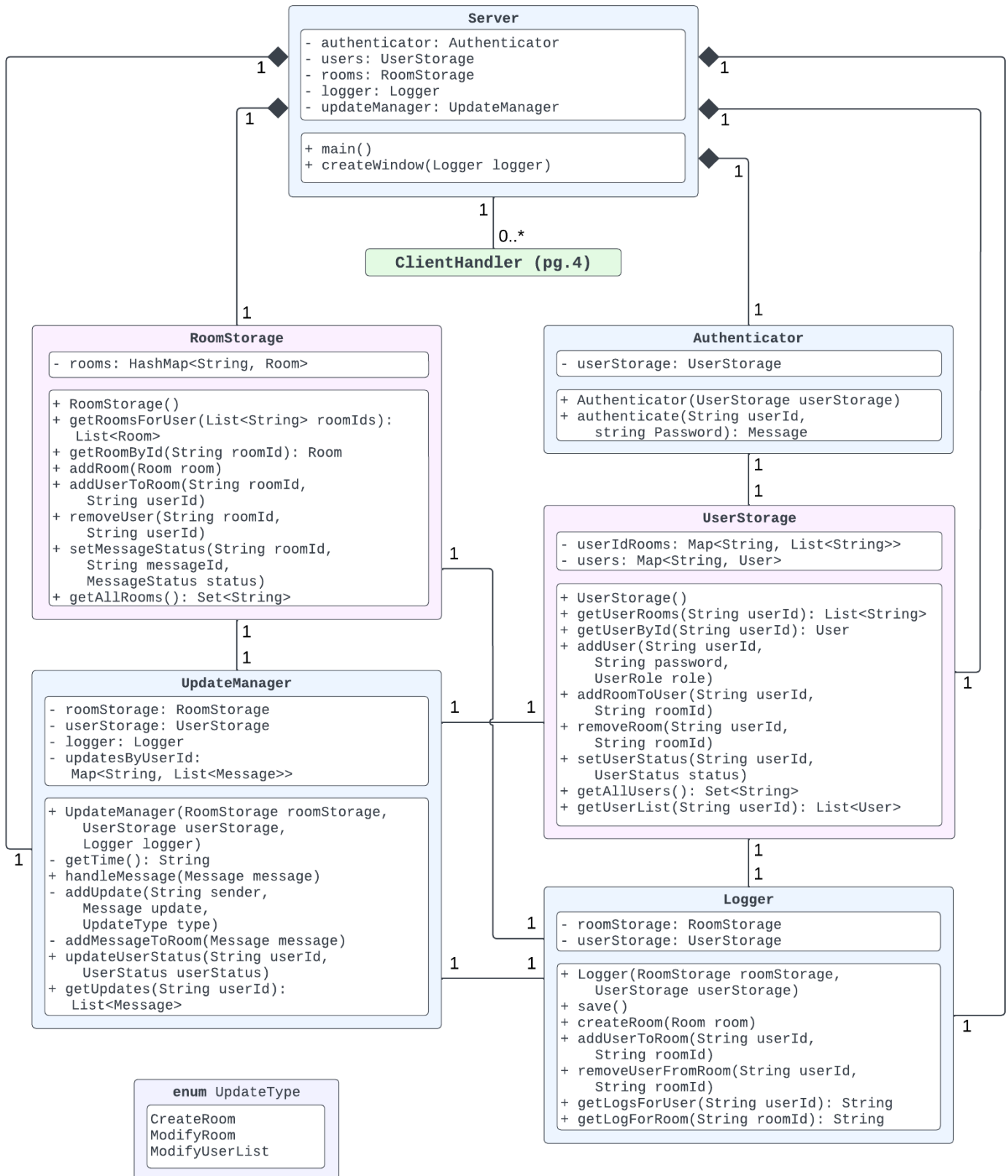
Jagjot Nijjar

Kosta Nikolaou

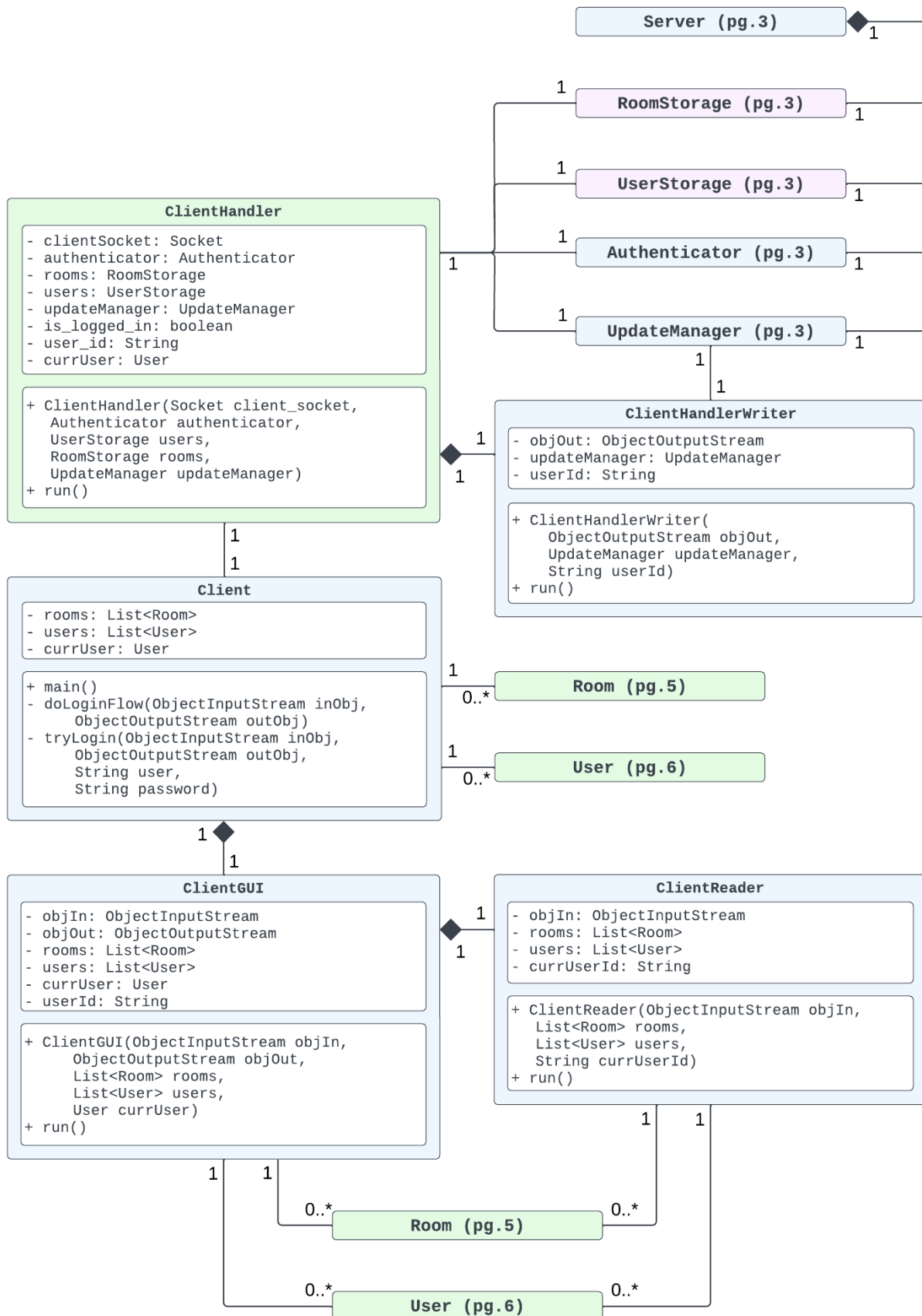
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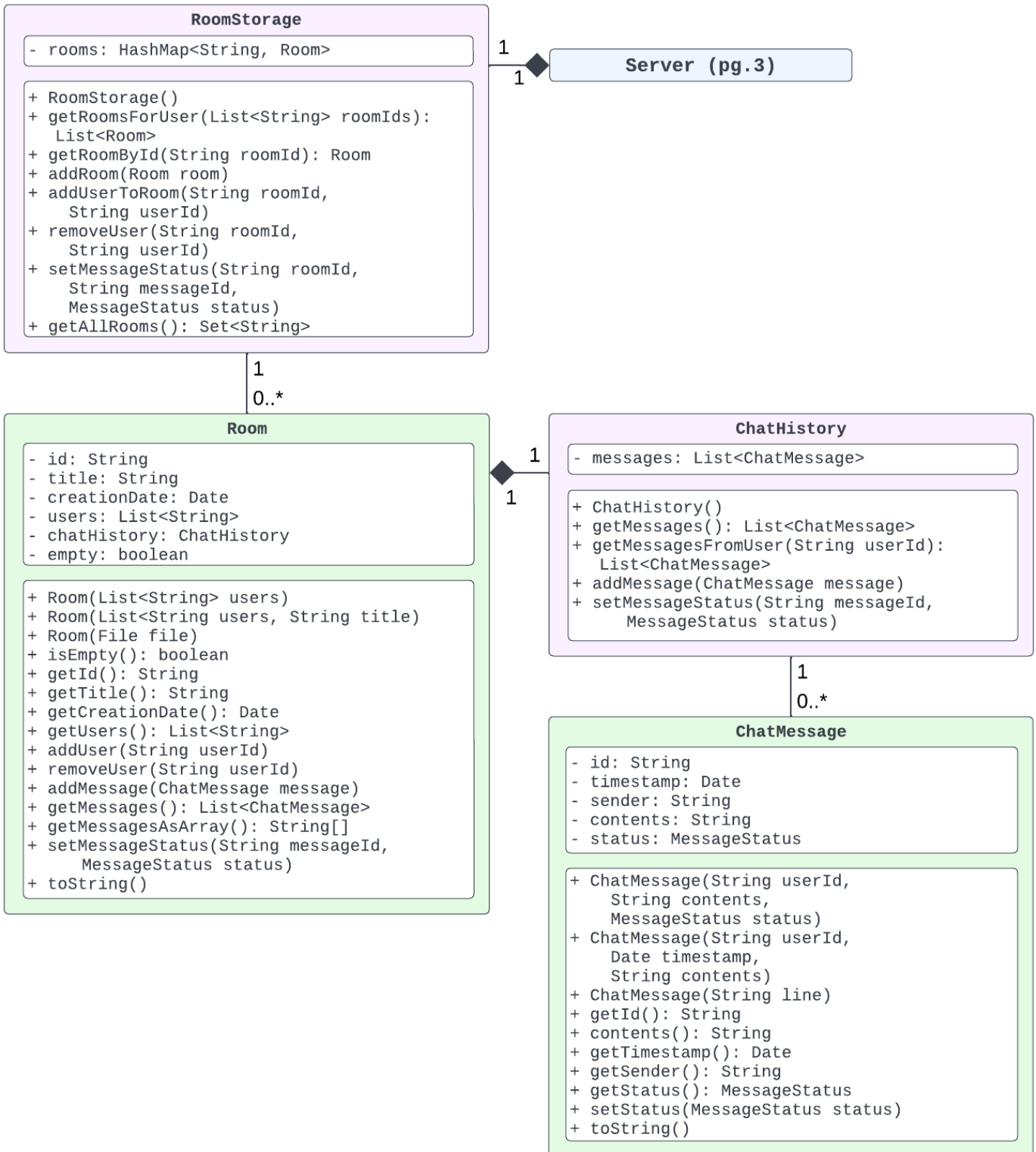
UML Diagrams



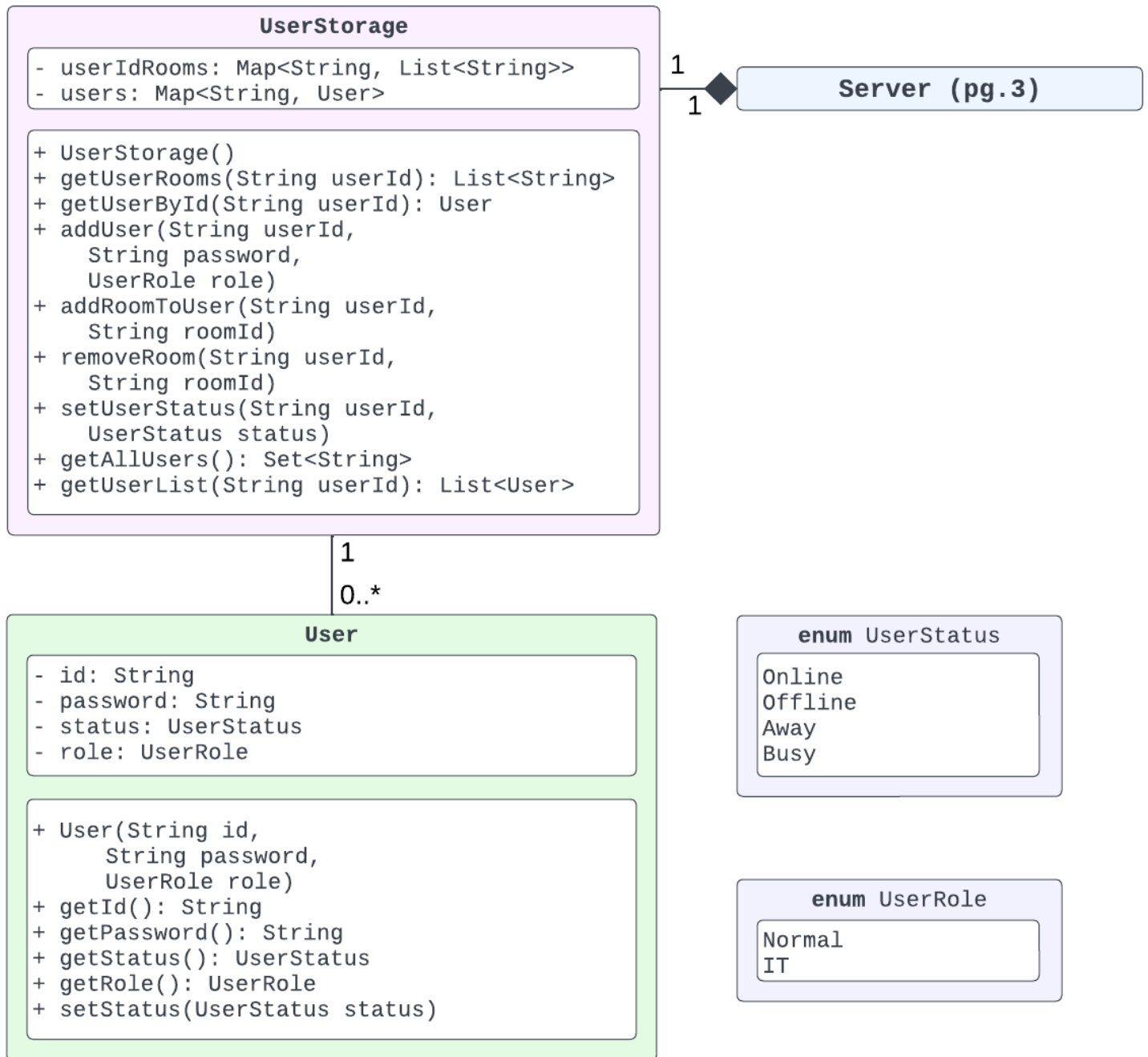
UML Diagrams (cont.)



UML Diagrams (cont.)



UML Diagrams (cont.)



UML Diagrams (cont.)

Message

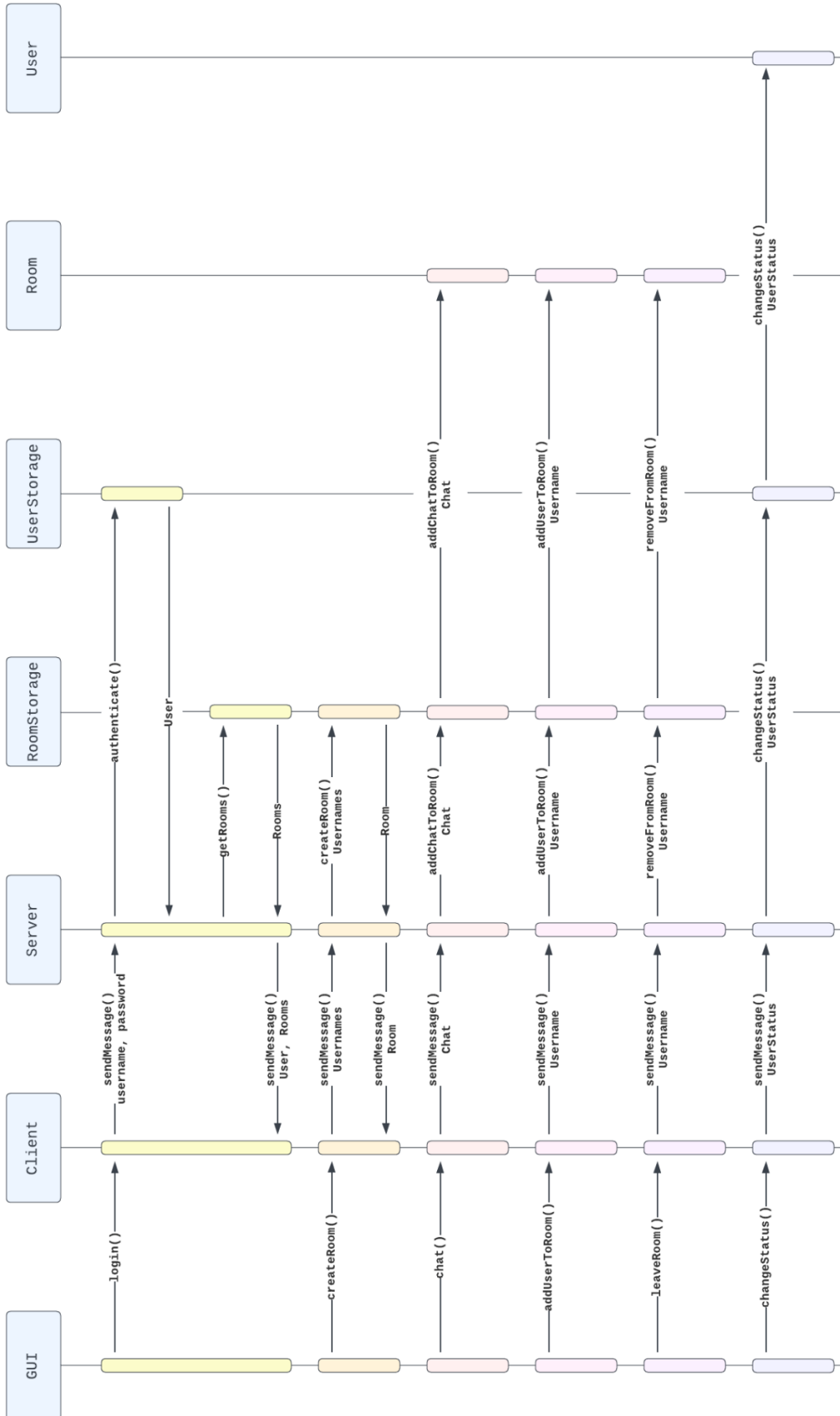
```
- type: MessageType
- users: List<String>
- password: String
- login_status: String
- room_id: String
- user_id: String
- user: User
- user_status: UserStatus
- user_list: List<User>
- contents: String
- rooms: List<Room>
- timestamp: String
```

```
+ Message(MessageType type)
+ setPassword(String password)
+ setUsers(List<User> users)
+ setLoginStatus(String status)
+ setRoomId(String room_id)
+ setUserId(String user_id)
+ setUser(User user)
+ setUserStatus(UserStatus status)
+ setUserList(List<User> user_list)
+ setContents(String contents)
+ setRooms(List<Room> room)
+ setTimestamp(String timestamp)
+ getType(): MessageType
+ getUsers(): List<String>
+ getPassword(): String
+ getLoginStatus(): String
+ getRoomId(): String
+ getUserId(): String
+ getUser(): User
+ getUserStatus(): UserStatus
+ getUserList(): List<User>
+ getContents(): String
+ getRooms(): List<Room>
+ getTimestamp(): String
```

enum MessageType

```
Login
Logout
NewChat
CreateRoom
LeaveRoom
AddToRoom
ChangeStatus
UpdateUserStatus
GetLogs
```

Sequence Diagram



Use Case Diagram

