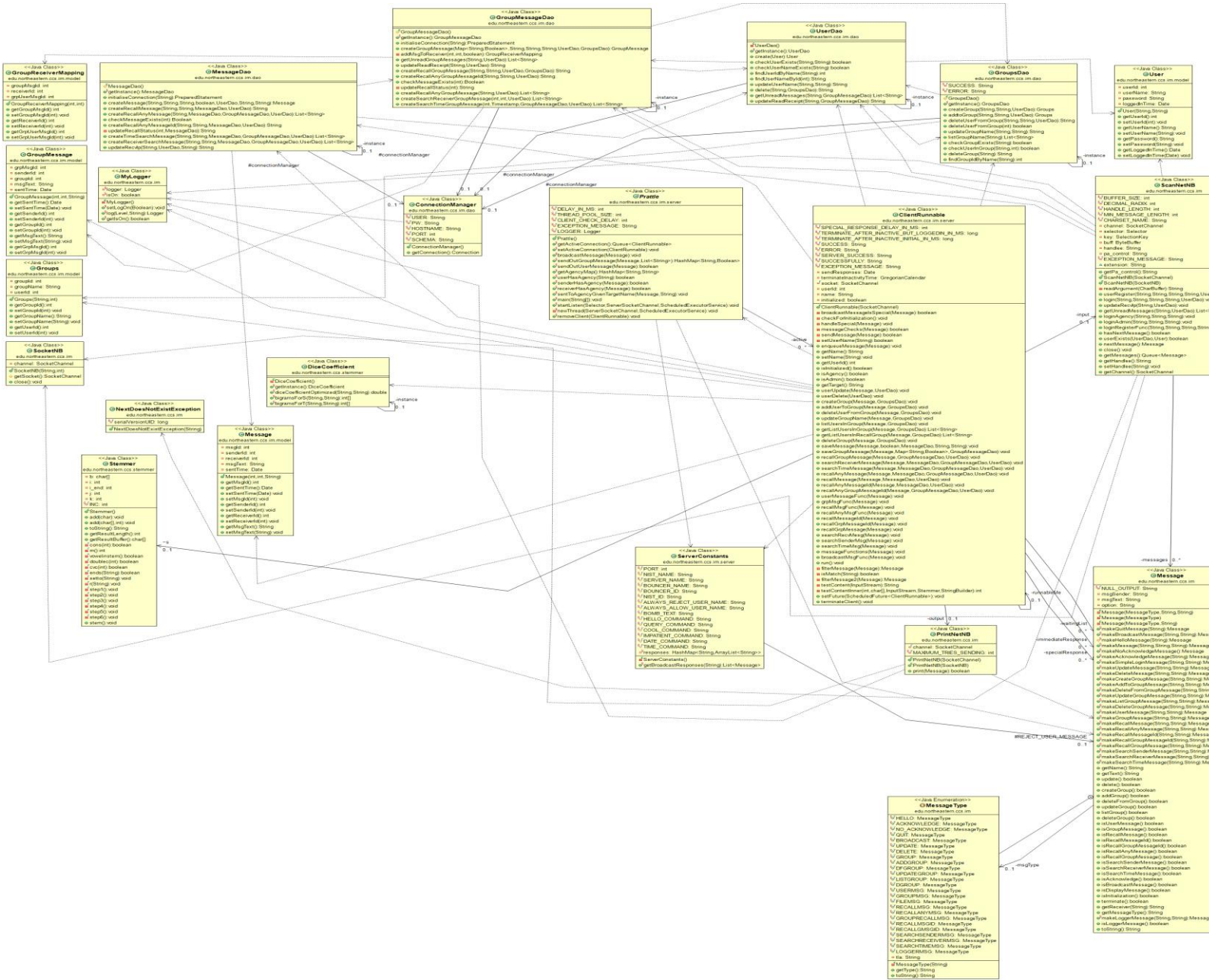# Class Diagram

Figure 1 Class Diagram
Here is the link to full image of class Diagram

Use Case Diagram
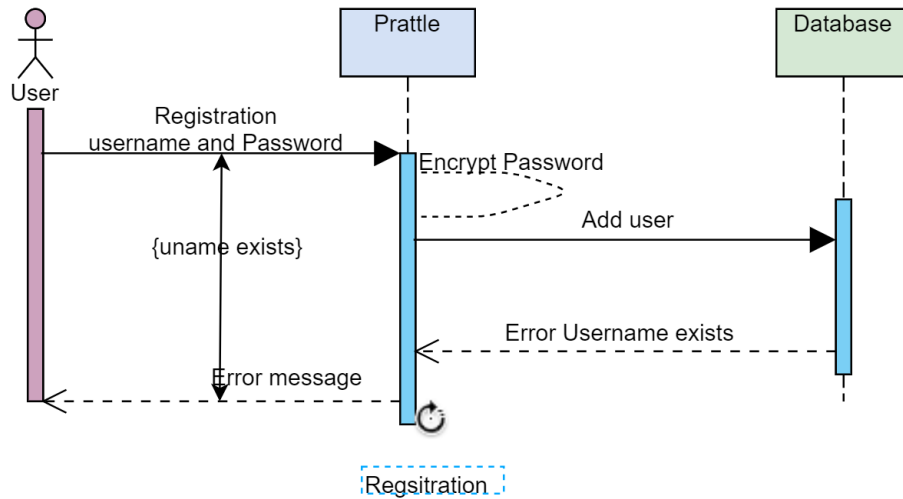

Figure 2 Use Case For Registration
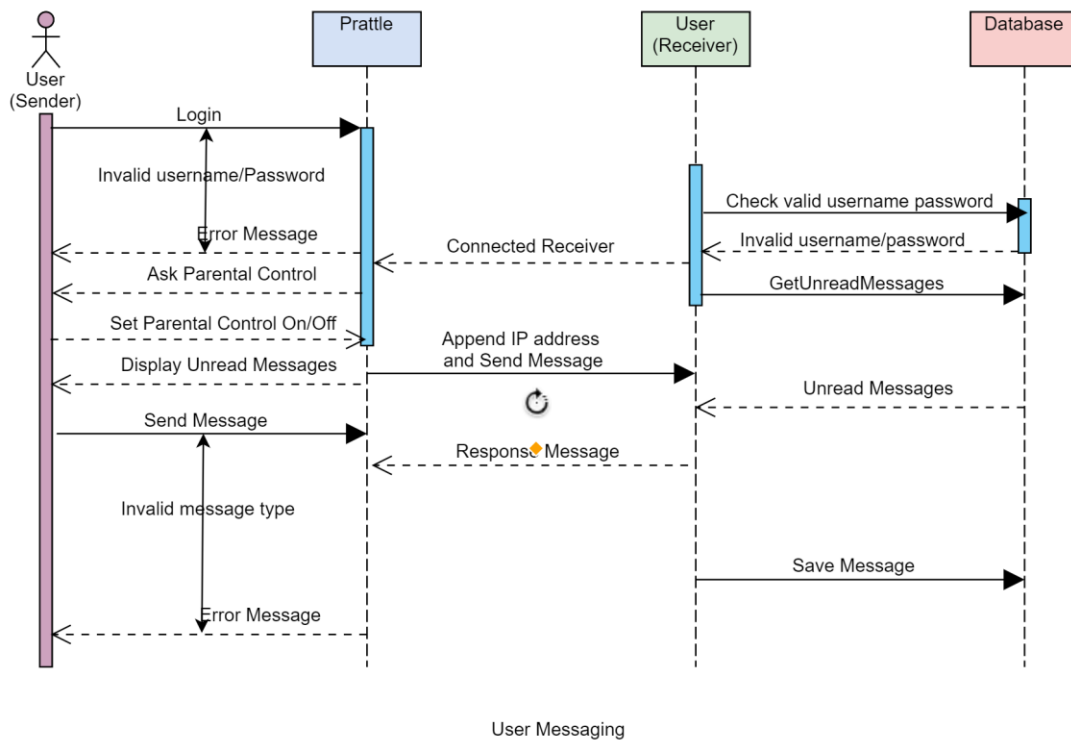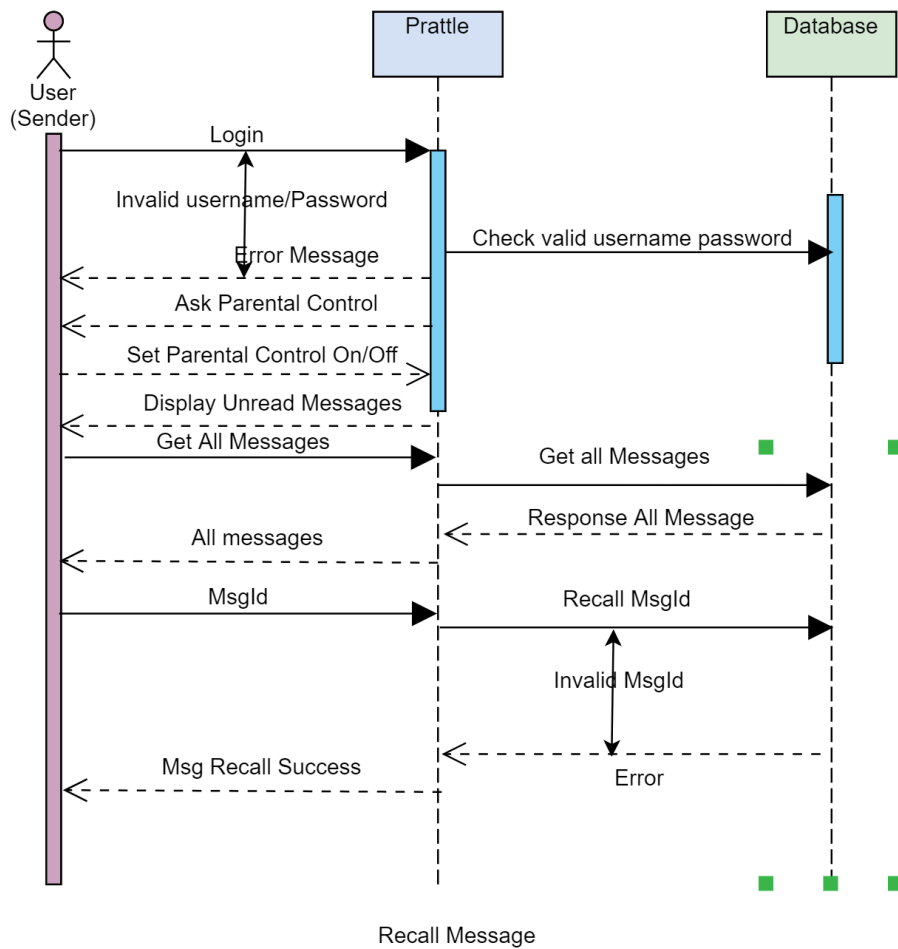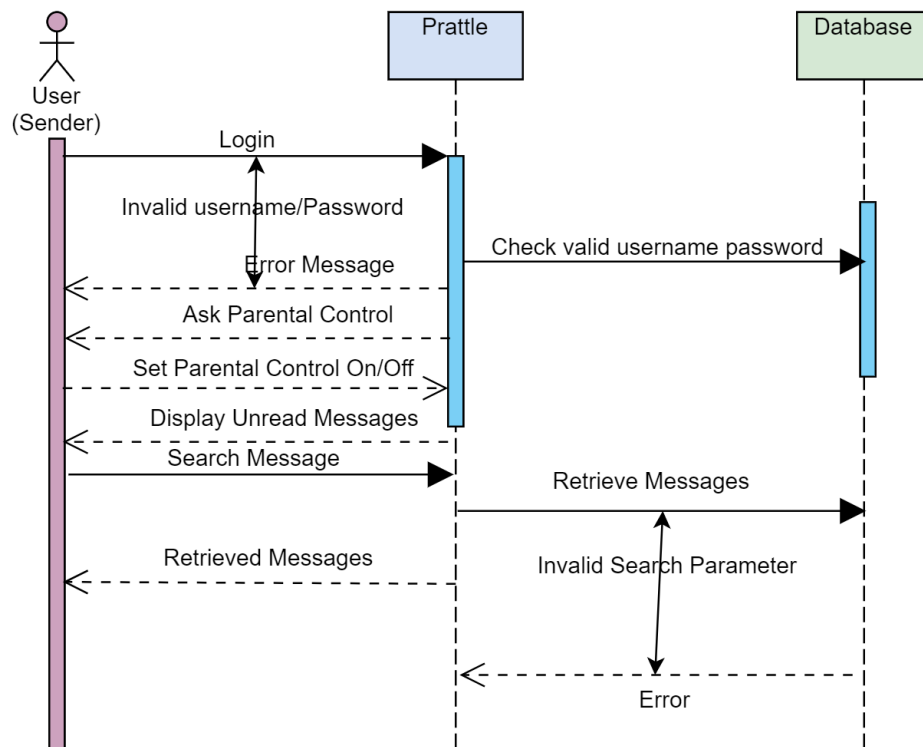

Figure 3 Use Case For User Messaging

```
                    Prattle              Database

    User
  (Sender)
              Login
    |---------------------->|
              Invalid username/Password
    |<----------------------|    Check valid username password
              Error Message  |---------------------->|
    |<- - - - - - - - - - - |
              Ask Parental Control
    |<- - - - - - - - - - - |
              Set Parental Control On/Off
    |- - - - - - - - - - - >|
              Display Unread Messages
    |<- - - - - - - - - - - |
              Get All Messages
    |---------------------->|    Get all Messages
                            |---------------------->|
              All messages         Response All Message
    |<- - - - - - - - - - - |<- - - - - - - - - - - |
              MsgId                Recall MsgId
    |---------------------->|---------------------->|
                                 Invalid MsgId
              Msg Recall Success
    |<- - - - - - - - - - - |<- - - - - - - - - - - |
                                   Error
```

Recall Message

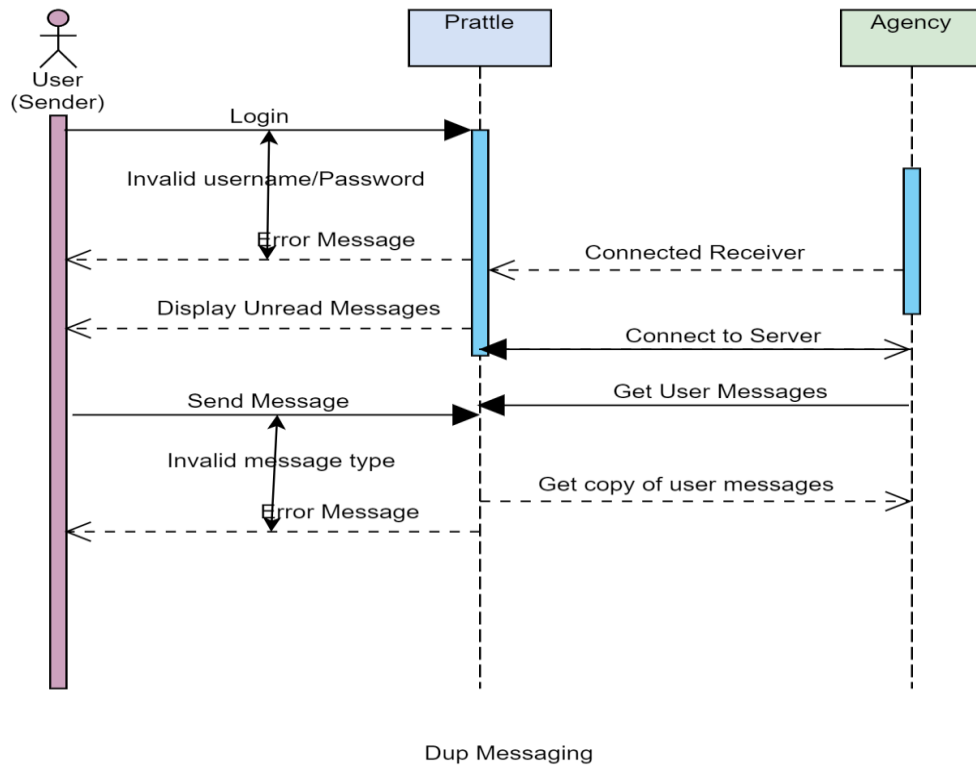*Figure 4 Use Case For Recall Messages*

Figure 5 Use Case for Search Messages

Dup Messaging

Figure 6 Use Case For Duping Messages