
Messaging Website Initial Diagrams

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Use Case Diagram

What normal user can do:

1. Sign Up
2. Login
3. Send Text Message
4. Send Images
5. Search For Messages
6. Delete Messages
7. Read Message in Group Chat
8. Change Profile Picture
9. Update Profile Information (Name, Email, Password)
10. Edit Messages
11. Logout

What admin can do:

1. Sign Up
2. Login
3. Ban/Unban Users
4. Delete Users
5. Delete Messages
6. Update Application Content
7. View System Statistics in a Dashboard
8. Logout

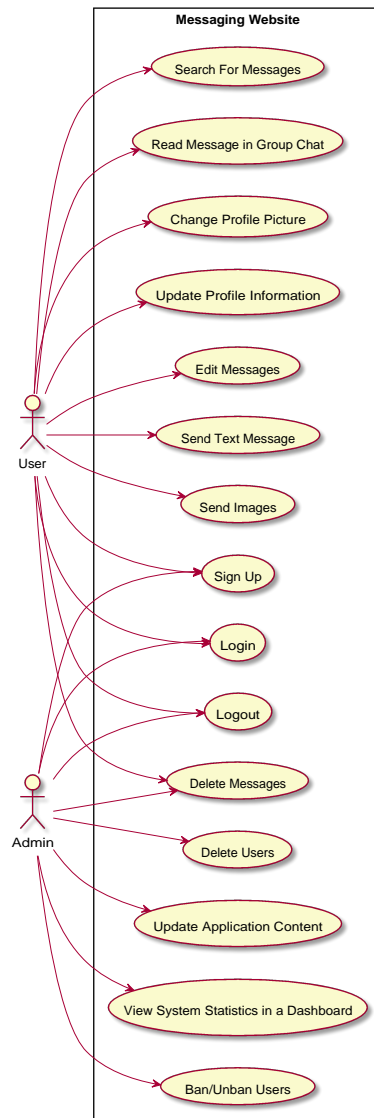


Figure 1: Initial Use Case Diagram

Activity Diagram

We will need an activity diagram for each use case.

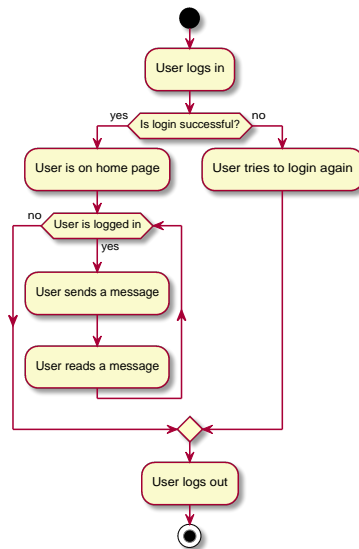


Figure 2: Initial Activity Diagram

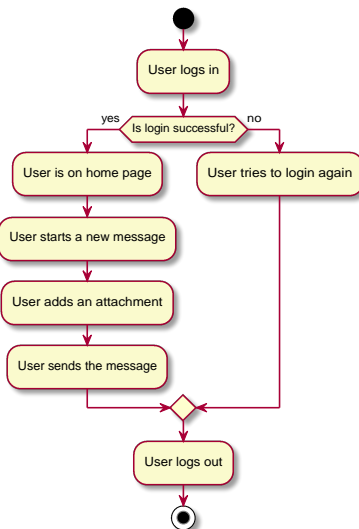


Figure 3: Initial Activity Diagram

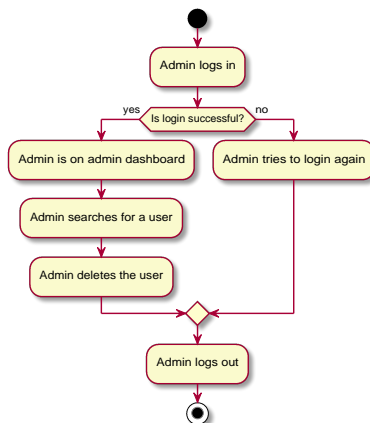


Figure 4: Initial Activity Diagram

Context & DFD

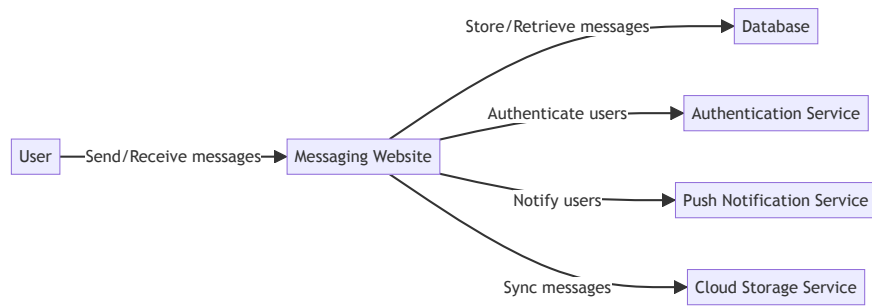


Figure 5: Initial Context Diagram

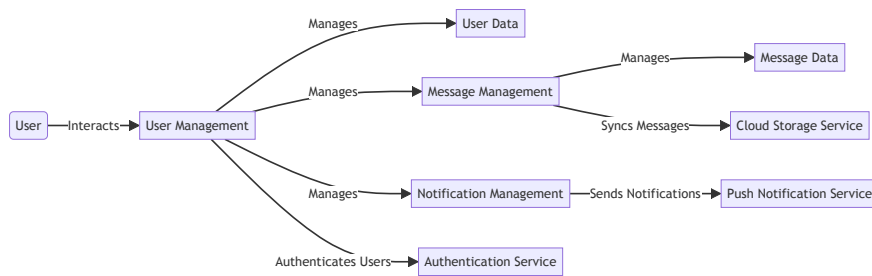


Figure 6: Initial DFD

Sequence Diagram

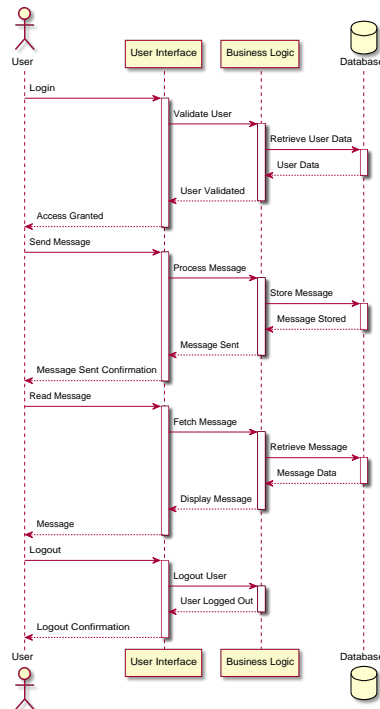


Figure 7: Initial Sequence Diagram

Class Diagram

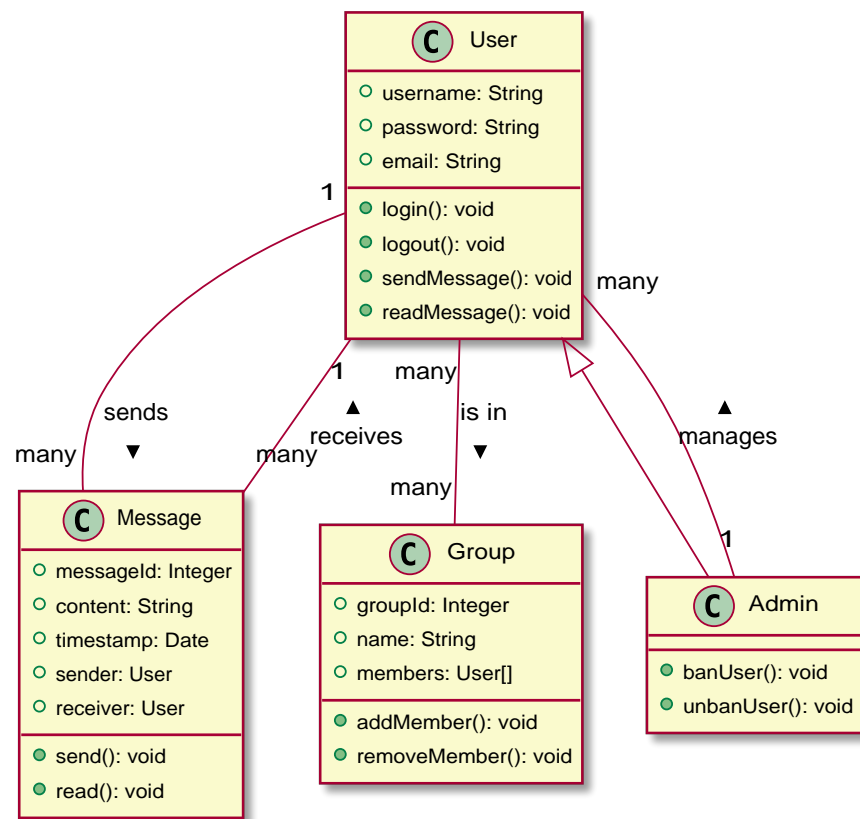


Figure 8: Initial Class Diagram

State Diagram

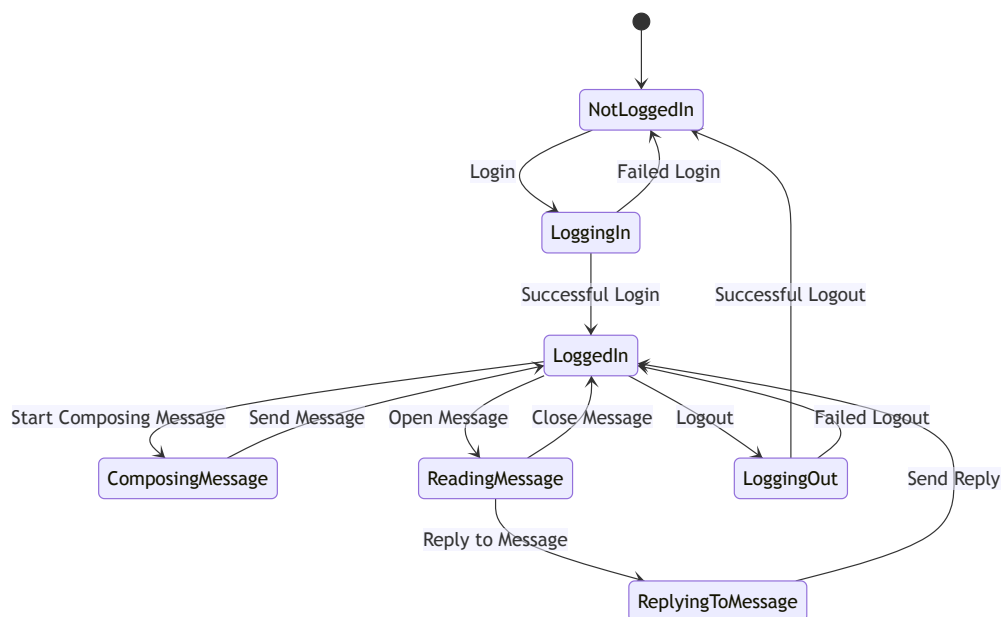


Figure 9: Initial State Diagram