UML Diagram Presentation
Project: Twitter

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twitter

User Stories

- As a user I want to search people's names or tweets so that I can find what I look for.
- As a user I want to be able to send message privately so that I can chat with my friend freely.
- As a user I want to be able to customize my profile so that I can represent myself to other people in the best way possible.
- As a user I want to follow other users so that I can see their tweets on my feed
- As a user I should be able to moderate my tweets so I can change my tweets.
- As a user, I should be able to login to my account, so that I can use the website properly.
- As a user, I should be able to register to the website so that I can use the website properly.
- As a user, I should get notifications for users that I follow so that I can stay on topic with content creators.
- As a user I can tweet so that the other users can see my opinion
- As a user I want to post a video and then play the video so that others can play my videos or I can play other videos.
- As a user I want to see what is trending on the website so that I can better understand what's going on with the world.

Acceptance Tests

- Given a user registers to our website, when they enter their username and given password to our website, then the home page should display their username as well as the homepage should allow them to post anything under their username.
- Given a user sends a message to their friend, when the other user wants to see it, then other users shouldn't be seeing the sent message and the friend should be able to see the message.
- Given a user wants to customize their profile, when they go to the settings, then they should be able to change their profile picture, change their account name, change their e-mail or delete their profile.
- Given a user wants to delete their tweet, when they click remove they should be able to remove that tweet from the website.
- Given a user wants to share an image, when they post it on the Twitter page, then their friends should be able to see that image.
- Given a user wants to share a youtube video, when they copy a youtube video's link and post it on the Twitter page, then their friends should be able to run it on the Twitter page.

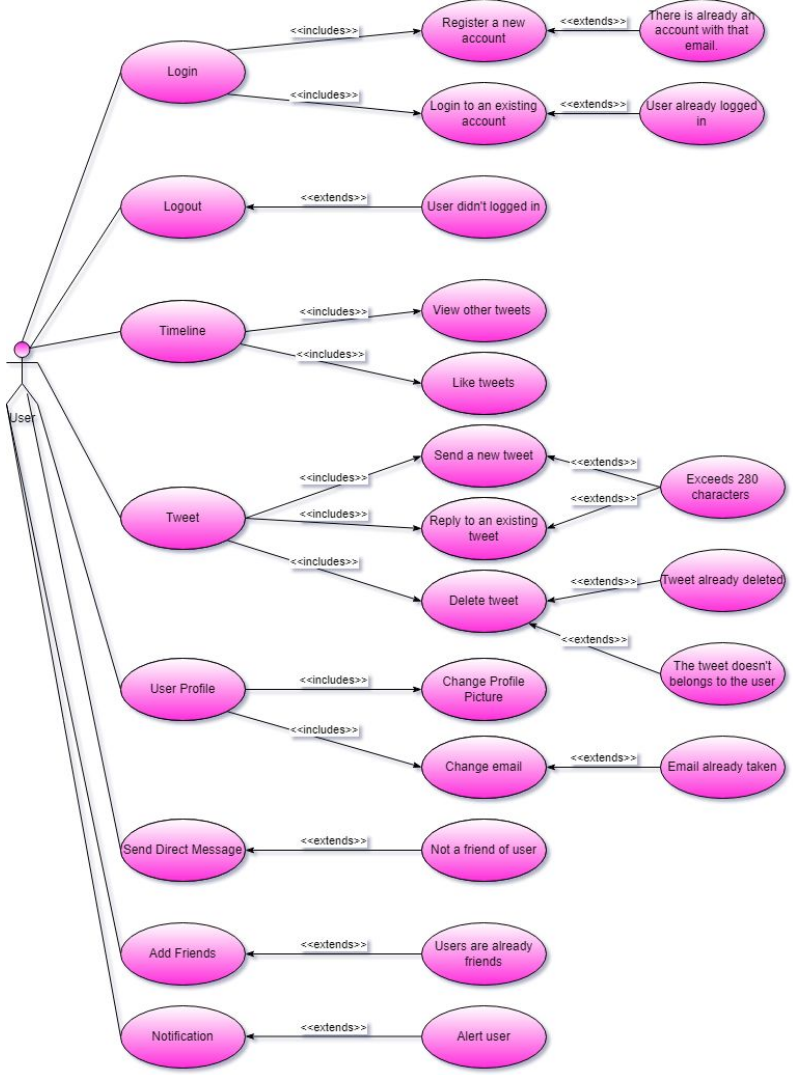
Non Functional Requirements

- Twitter page should support sending images to the server.
- Twitter page should support sending 1000 private messages.
- Twitter page should load 10 posts per page.
- Twitter page should support 1000 users.
- Twitter page should respond to sending tweets in 10 ms.

Statement of Scope

Project Name	Twitter
Scope Description	IN SCOPE: -A server and domain from 000webhost to make our website accessible from everywhere. -A MySQL database provider to store our data.
Project Deliverables	Fully functional Twitter website. Allow people to share their opinions around the globe for free.
Acceptance Criteria	The user should be able to use every functionality of Twitter.
Constraints	Time is the only constraint.
Assumptions	Website should work fine without major errors.

Use Case Diagram



Use Case Descriptions

Use Case	Login
Primary Actor	*User*
Goal in Context	To successfully login into an existing account
Preconditions	Account must exist
Scenario	1.User enters the website. 2.User logs in.
Exceptions	-There is already an account with that email. -User already logged in.

Use Case Descriptions

Use Case	Logout
Primary Actor	*User*
Goal in Context	To successfully logout from an account.
Preconditions	User must be logged in
Scenario	1.User clicks to logout button. 2.User logs out.
Exceptions	-User already logged out.

Use Case Descriptions

Use Case	Timeline
Primary Actor	*User*
Goal in Context	To be able to see other tweets and interact with them.
Preconditions	User must be logged in.
Scenario	1.User enters the website. 2.User logs in. 3.User redirected to timeline.
Exceptions	-User not logged in.

Use Case Descriptions

Use Case	Tweet
Primary Actor	*User*
Goal in Context	To send a new tweet. To reply to an existing tweet. To delete a tweet.
Preconditions	Account must exist
Scenario	1.User enters the website. 2.User logs in. 3. User redirected to timeline. 4.User writes a new tweet or deletes one.
Exceptions	-Tweet already deleted. -New tweet exceeds 280 characters.

Use Case Descriptions

Use Case	User Profile
Primary Actor	*User*
Goal in Context	To change profile picture. To change username.
Preconditions	User must be logged in.
Scenario	1.User enters the website. 2.User logs in. 3. User redirected to timeline. 4.User clicks on his profile link.
Exceptions	-Username already taken.

Use Case Descriptions

Use Case	Send Direct Message
Primary Actor	*User*
Goal in Context	Sending a direct message to another user.
Preconditions	-User must be logged in. -Other user must be added as a friend.
Scenario	1.User enters the website. 2.User logs in. 3. User redirected to timeline. 4.User clicks on the DM button.
Exceptions	-Other user not added as a friend.

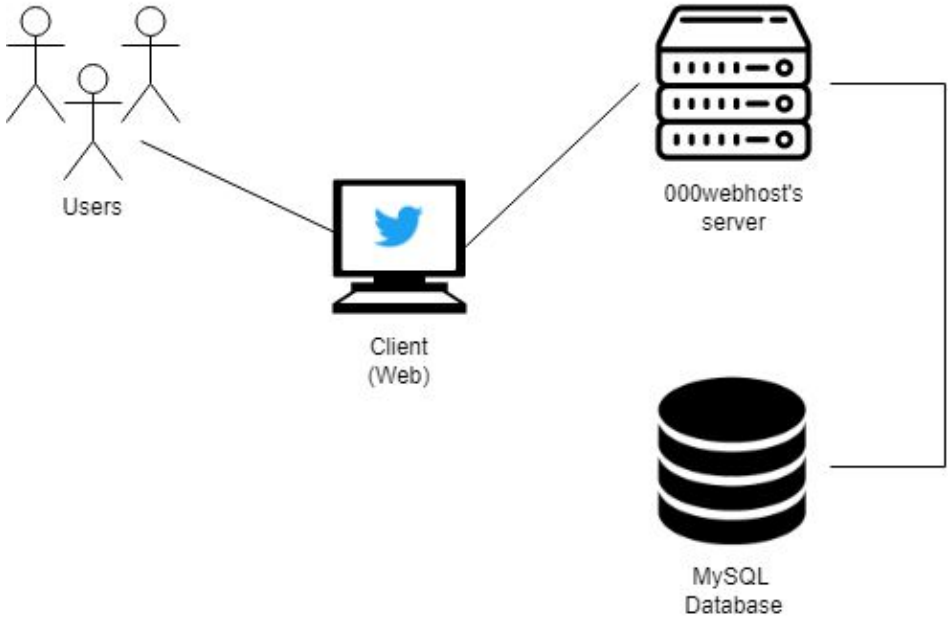
Use Case Descriptions

Use Case	Add Friends
Primary Actor	*User*
Goal in Context	To add another user as a friend.
Preconditions	User must be logged in.
Scenario	1.User enters the website. 2.User logs in. 3.User redirected to timeline. 4.User clicks add friend button.
Exceptions	-Both users are already friends.

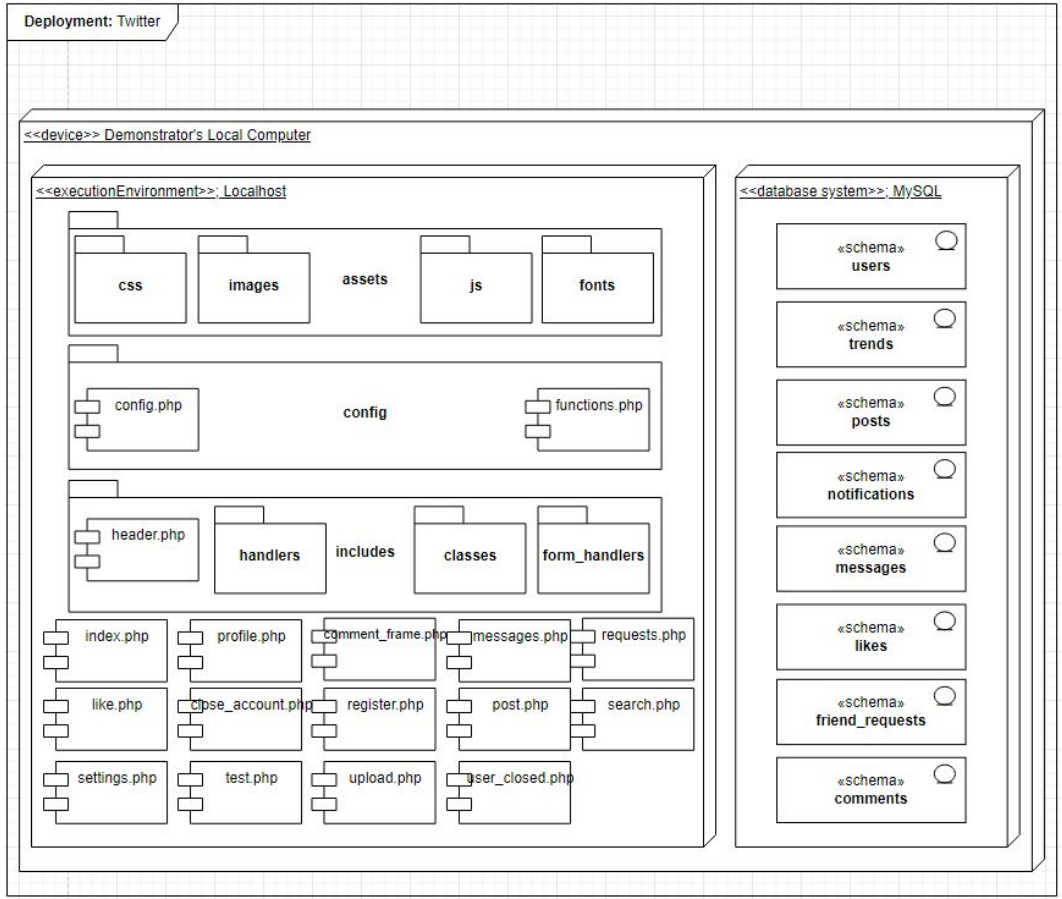
Use Case Descriptions

Use Case	Notification
Primary Actor	*User*
Goal in Context	To notify user, if a new message is received or someone replied to a tweet of the user.
Preconditions	User must be logged in.
Scenario	1.User enters the website. 2.User logs in. 3. User redirected to timeline. 4.User clicks on notifications.
Exceptions	-User doesn't logged in.

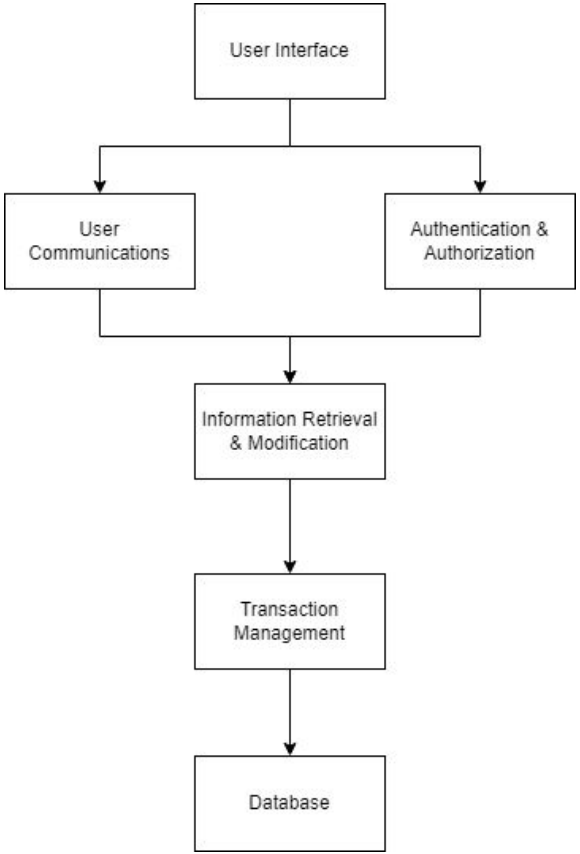
Physical View



Deployment Diagram

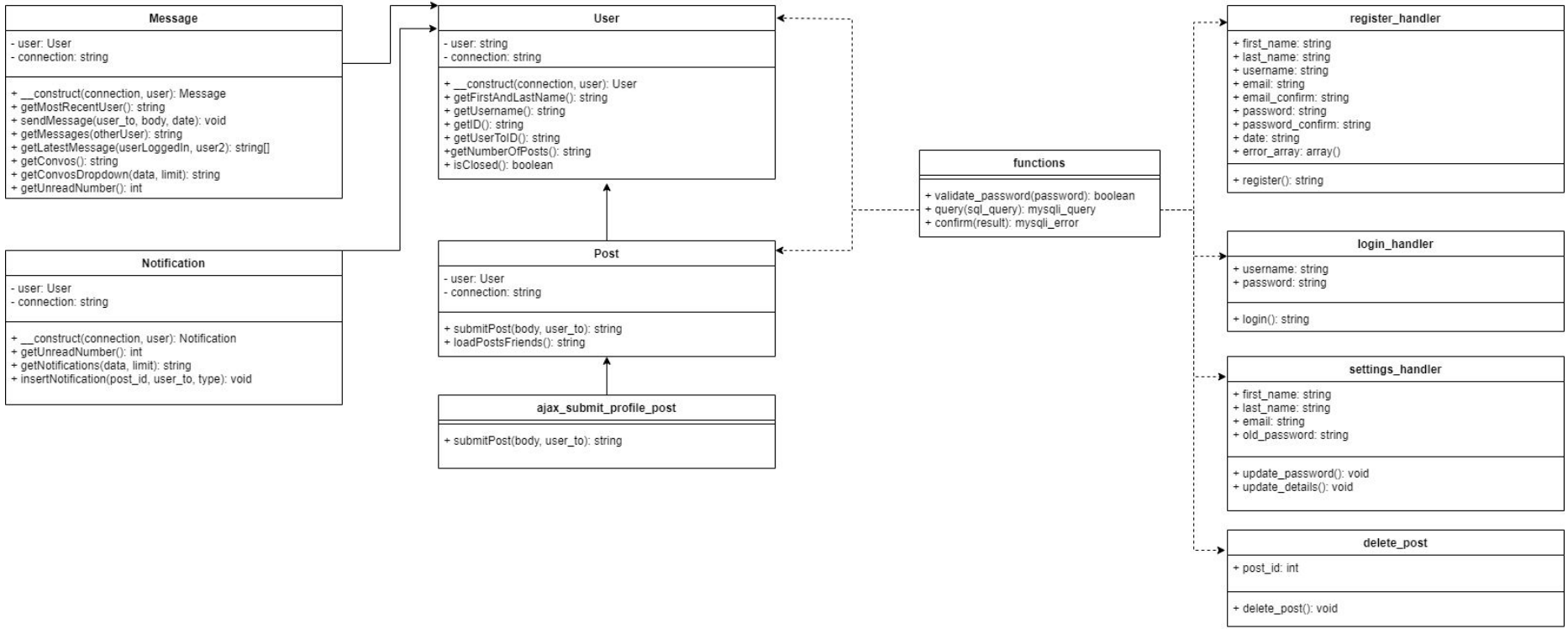


Layered Information System Architecture



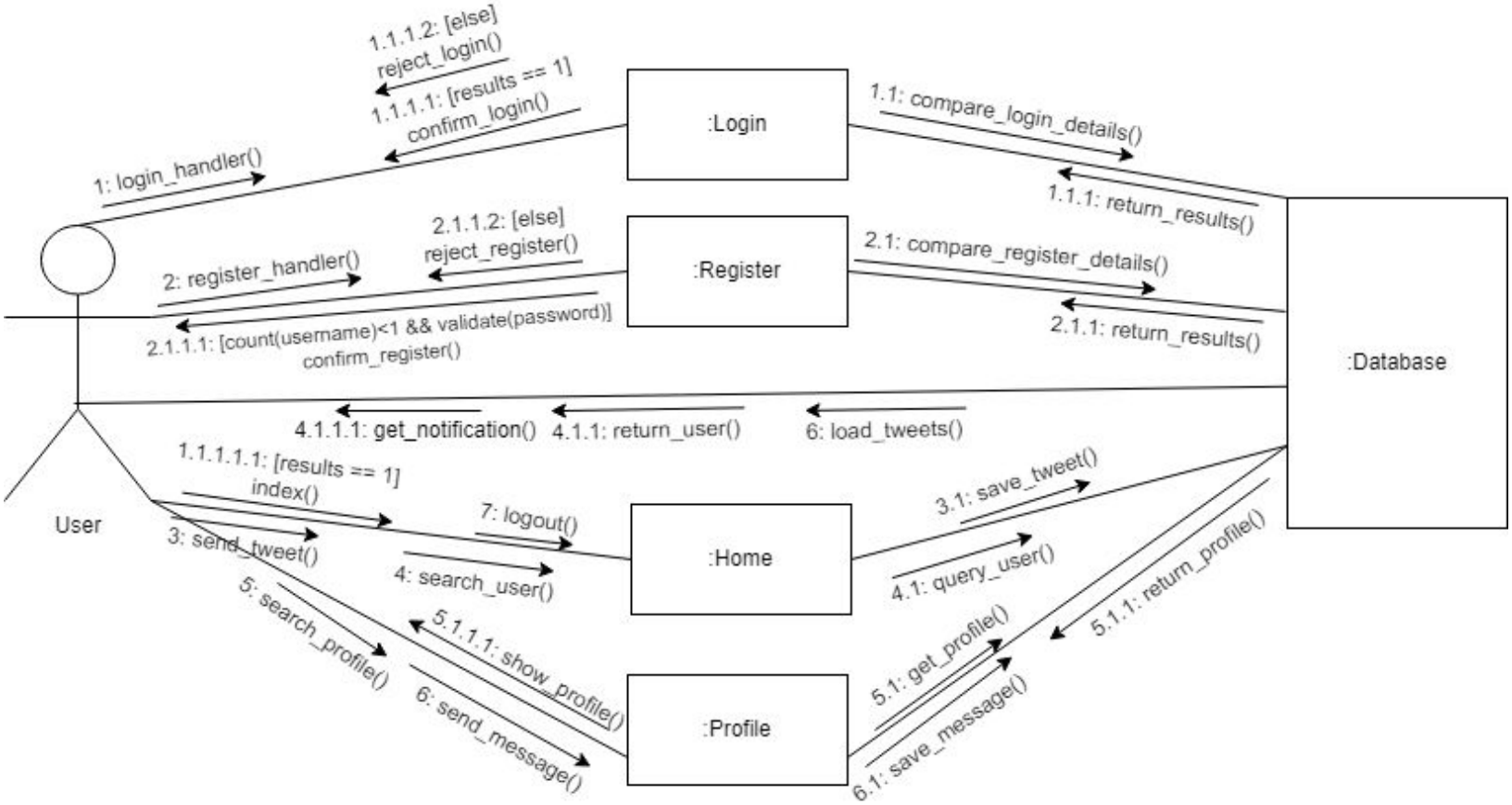
Logical View

Class Diagram



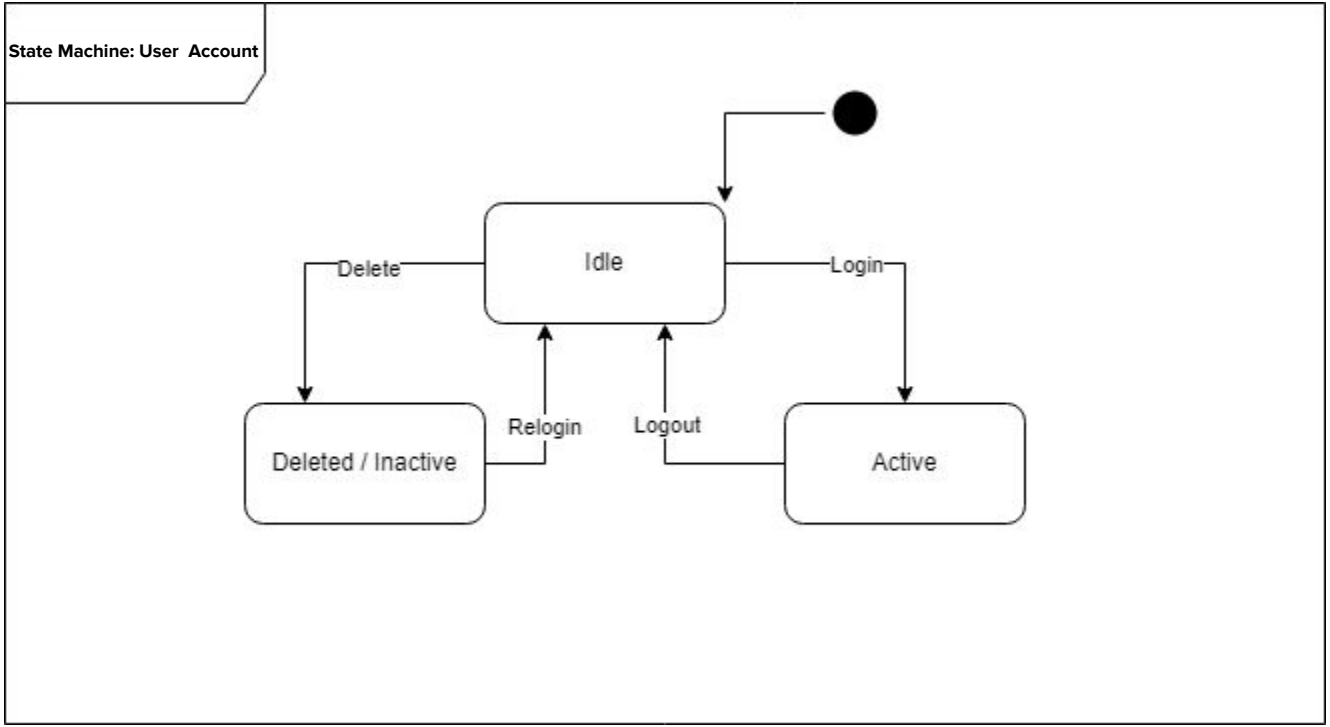
Logical View

Communication Diagram



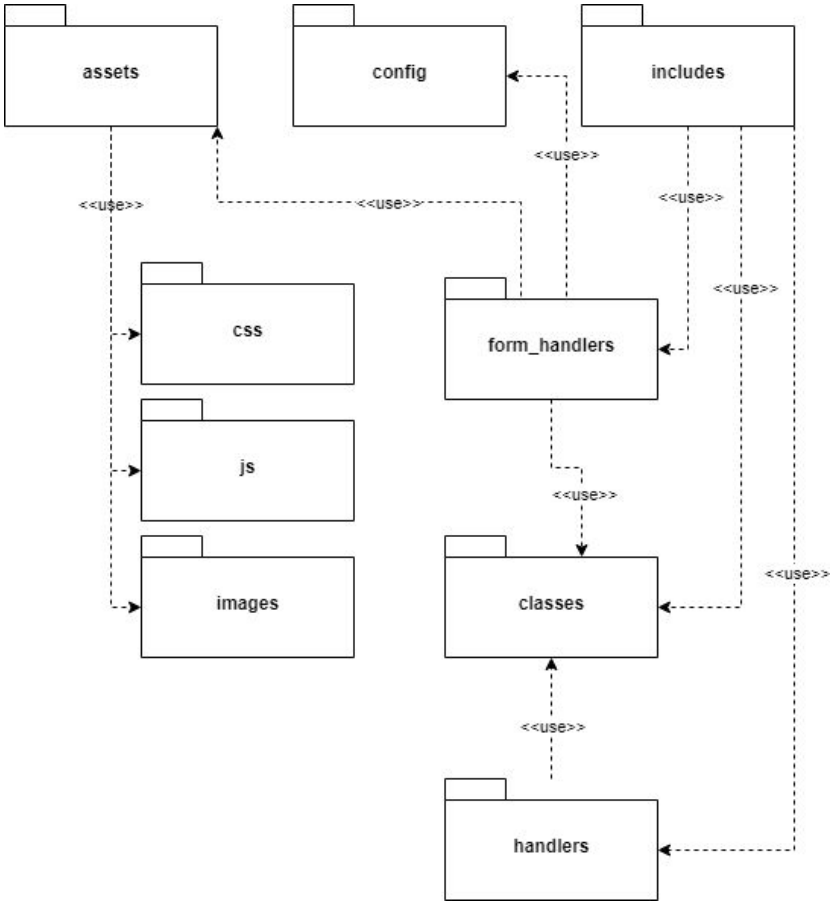
Logical View

State Diagram



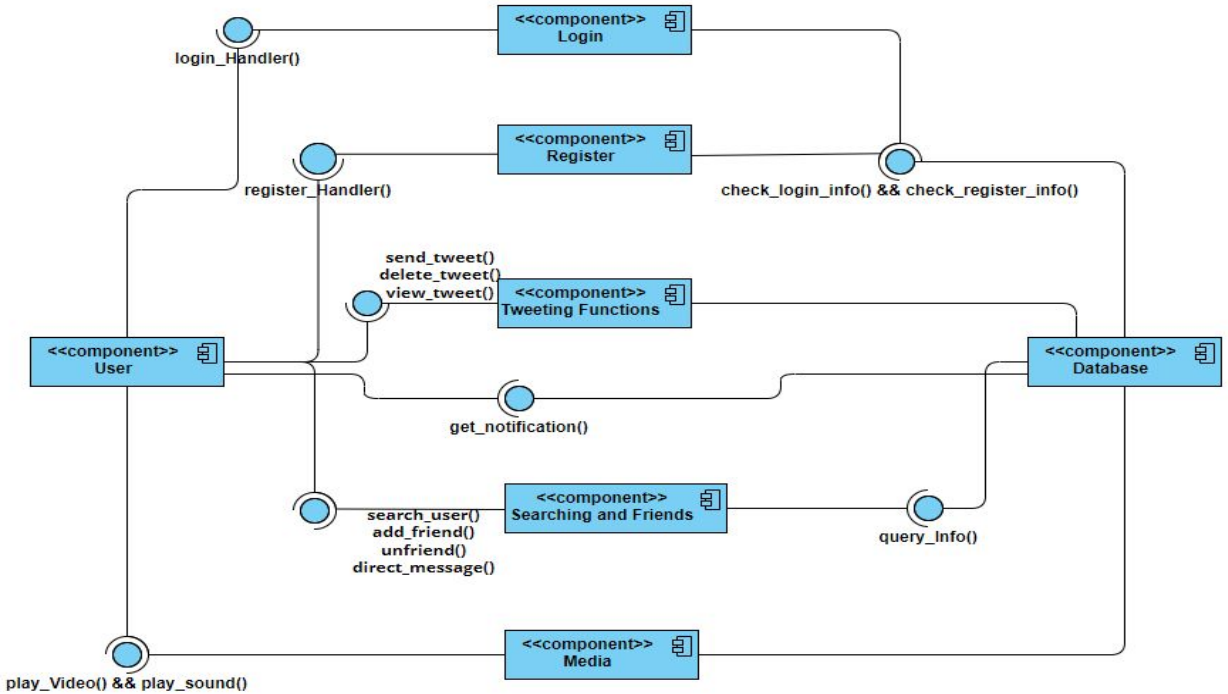
Development View

Package Diagram



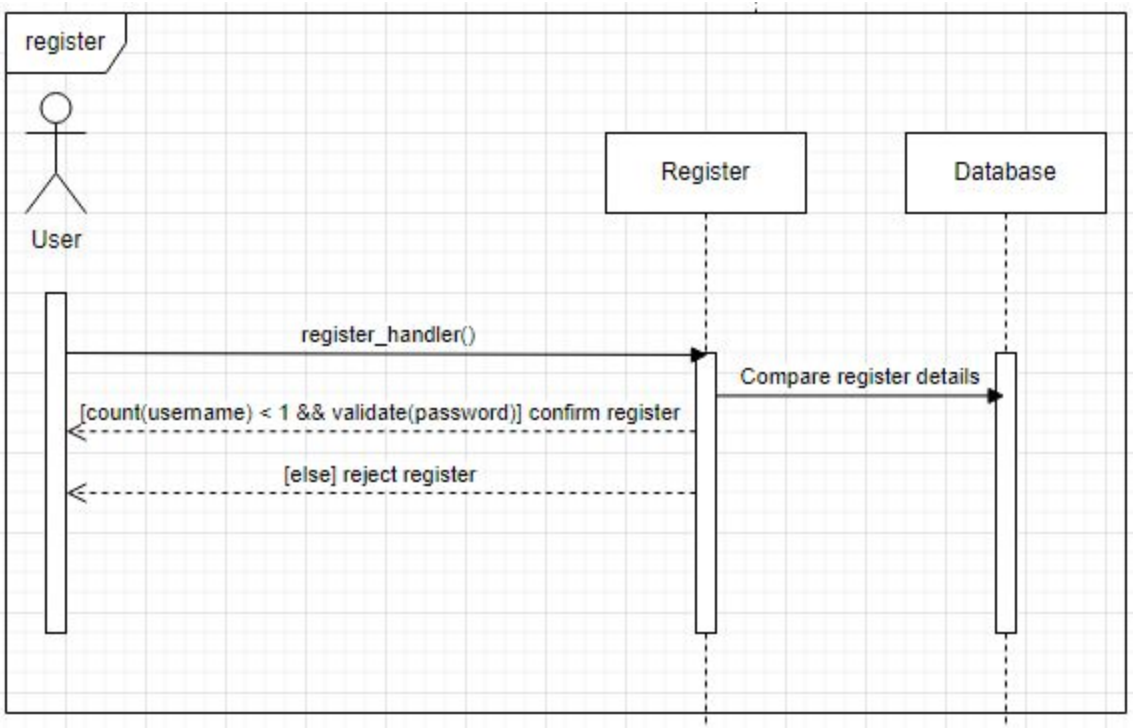
Development View

Component Diagram



Process View

Sequence Diagram



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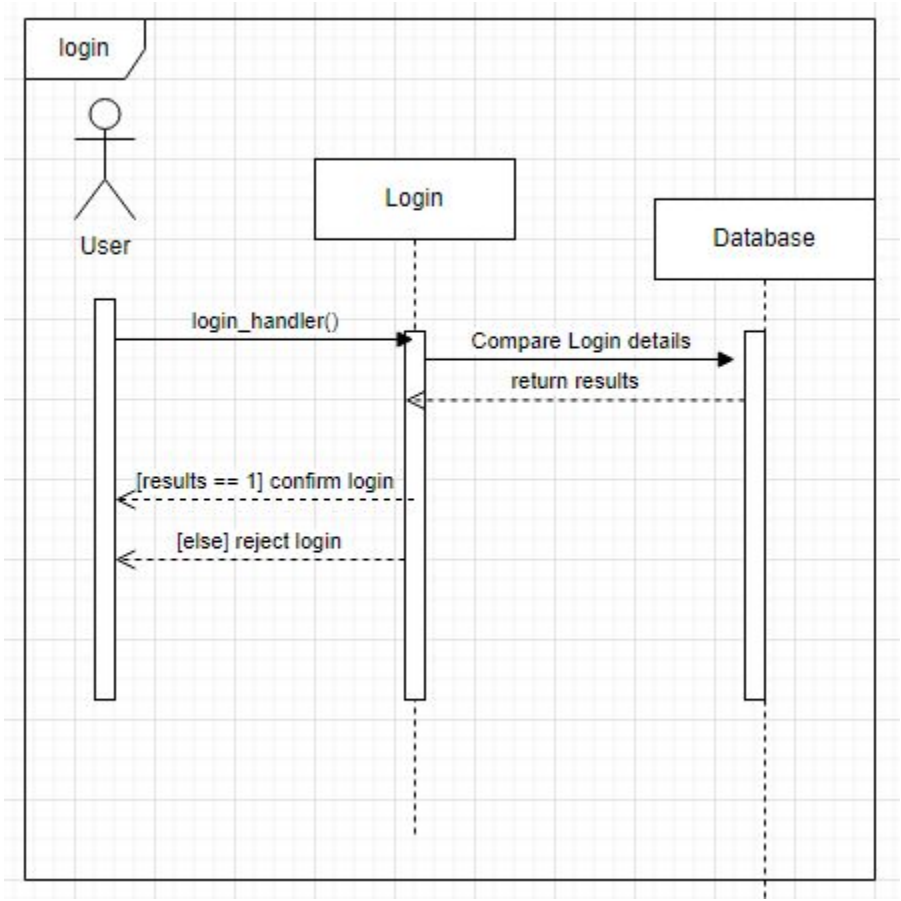
Sequence Diagram



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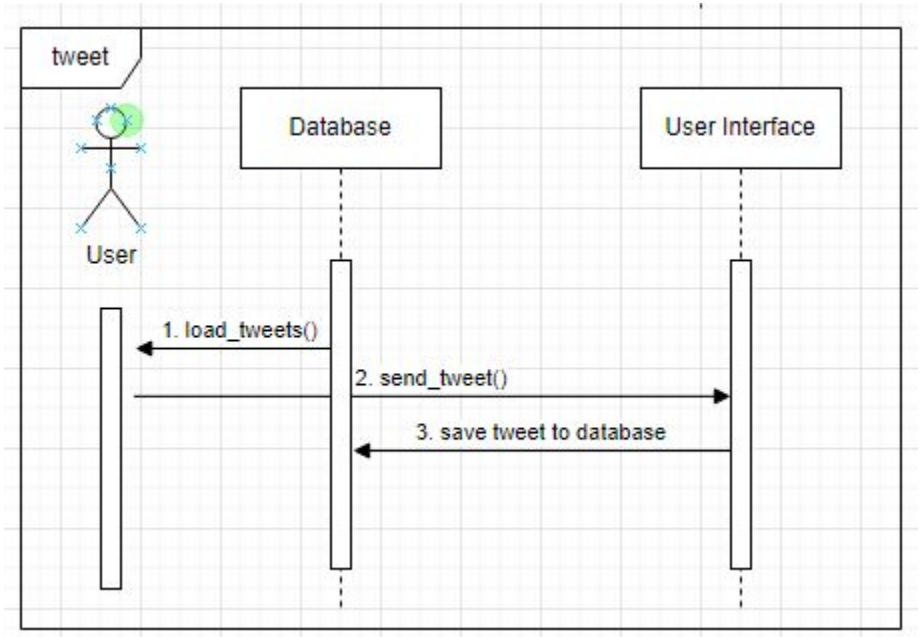

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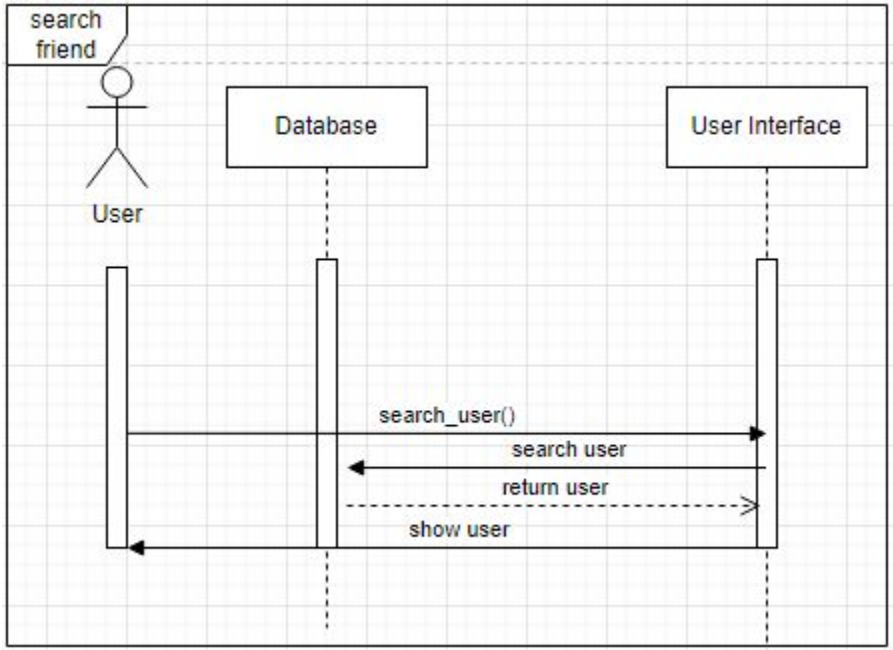
Sequence Diagram



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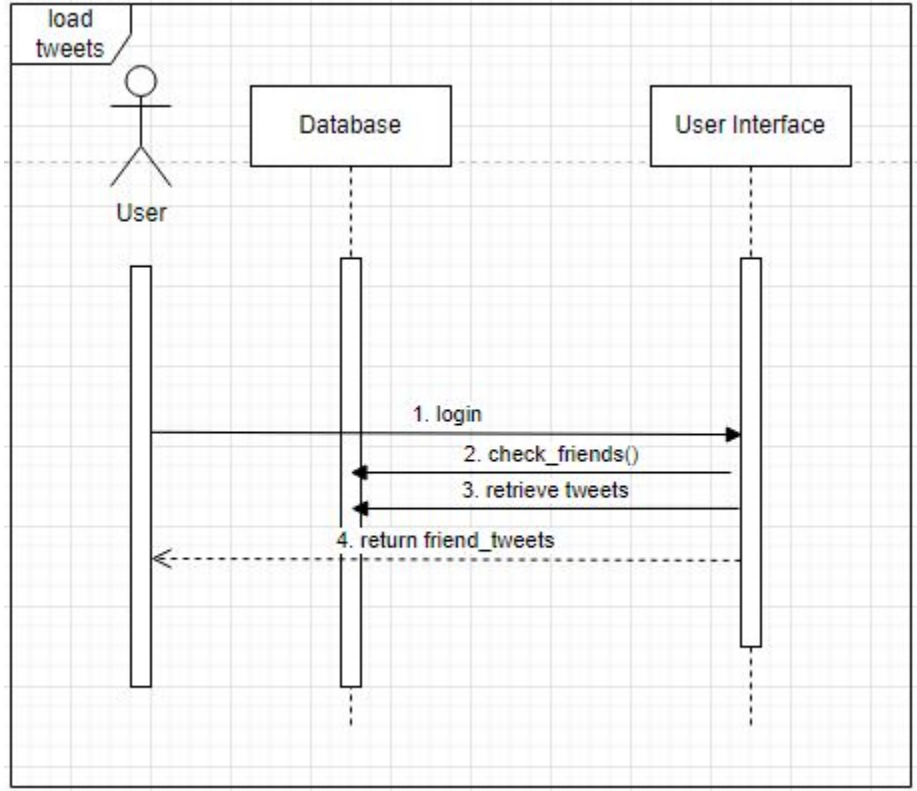

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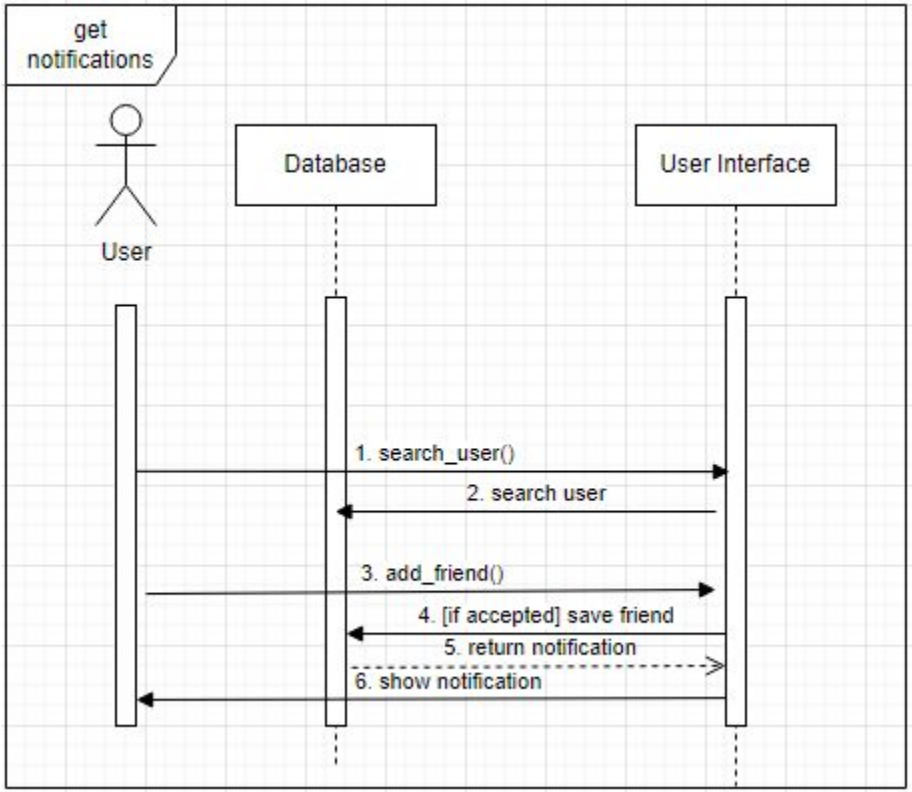

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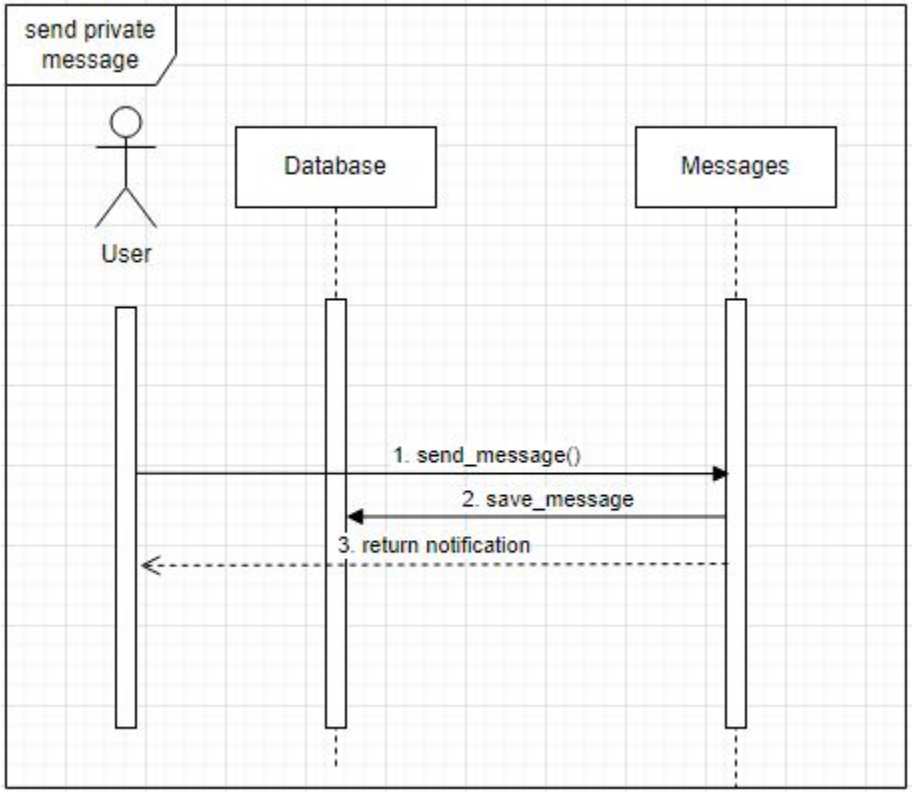
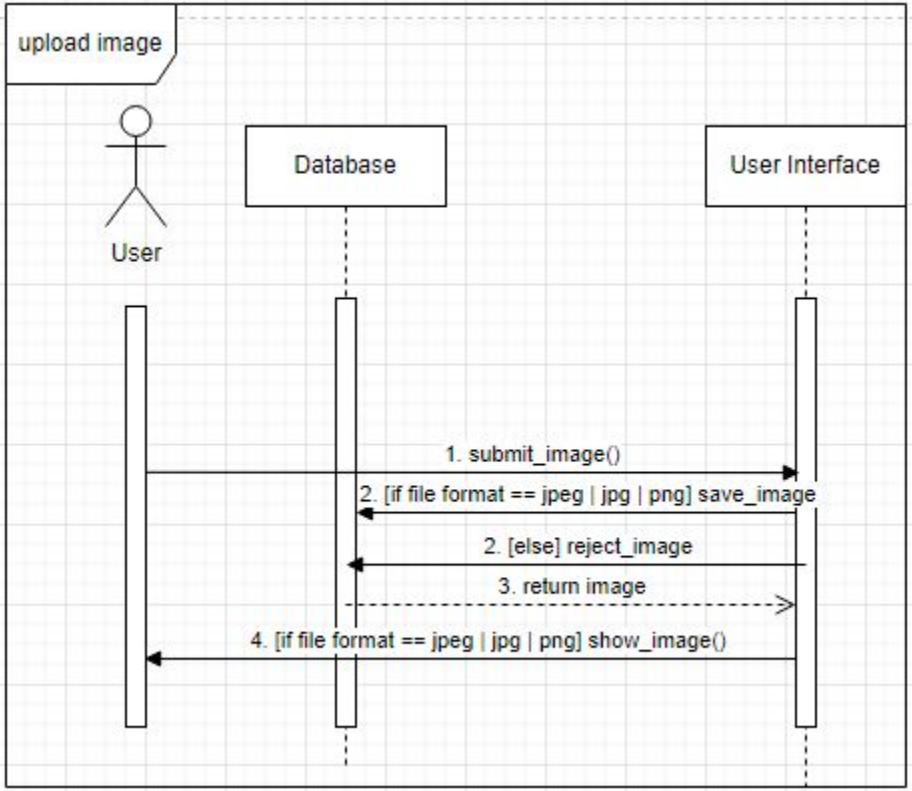


Process View

Sequence Diagram



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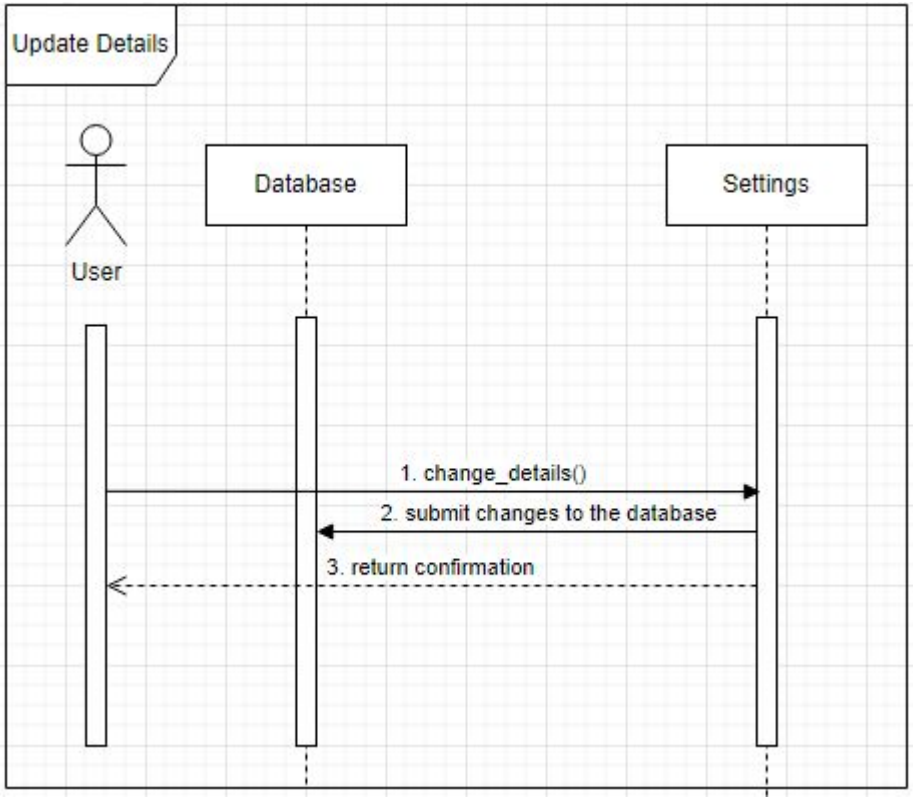

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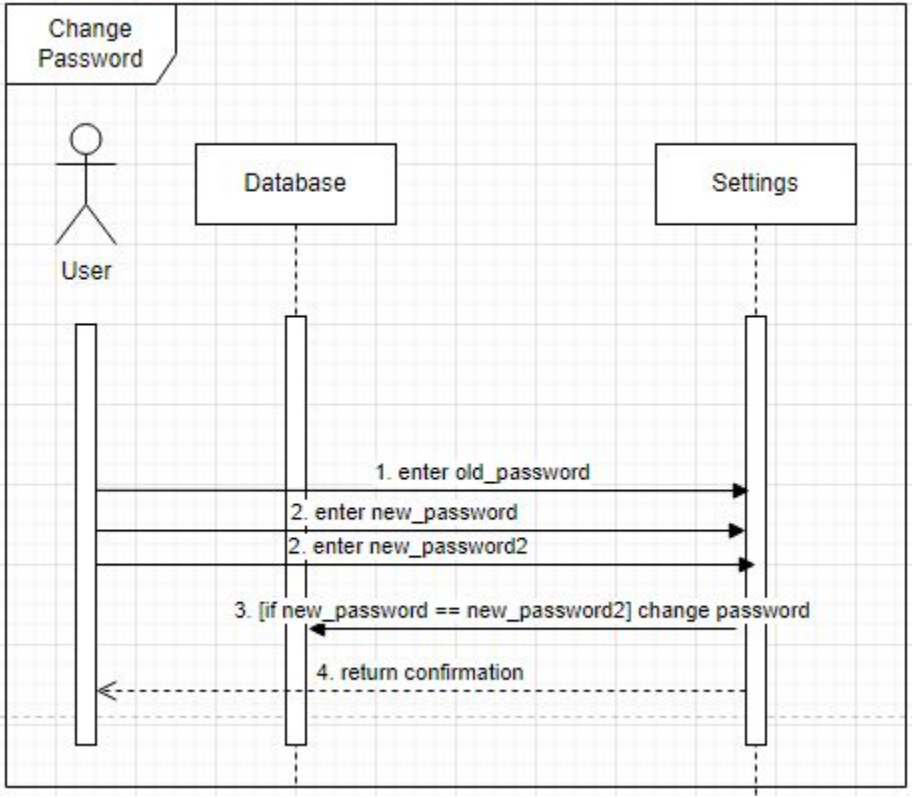

Process View

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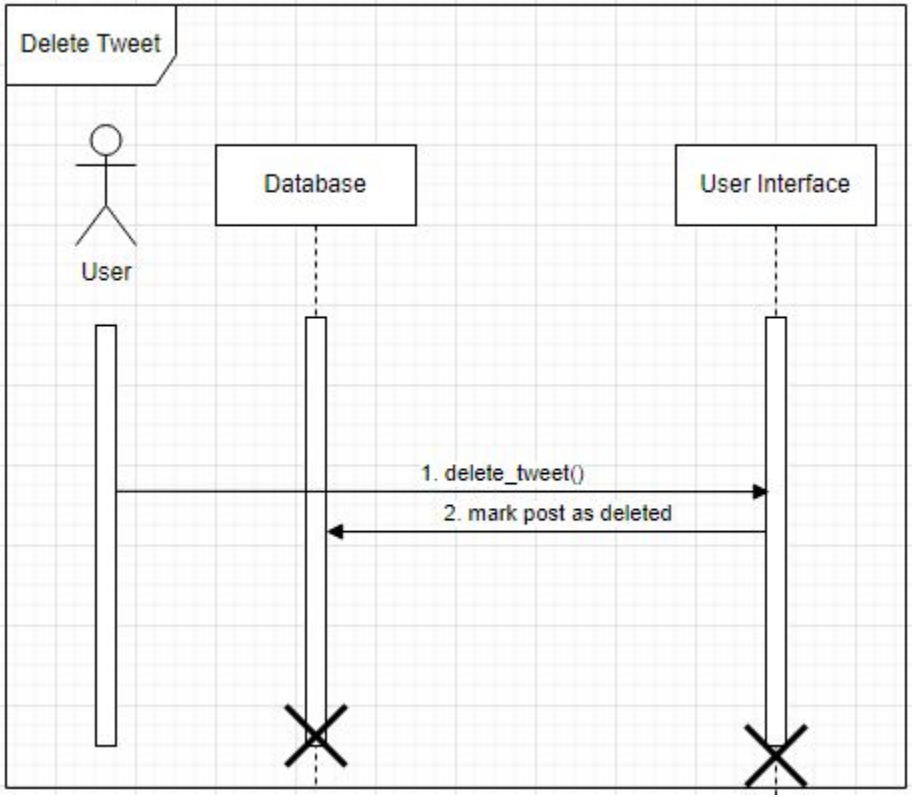

Process View

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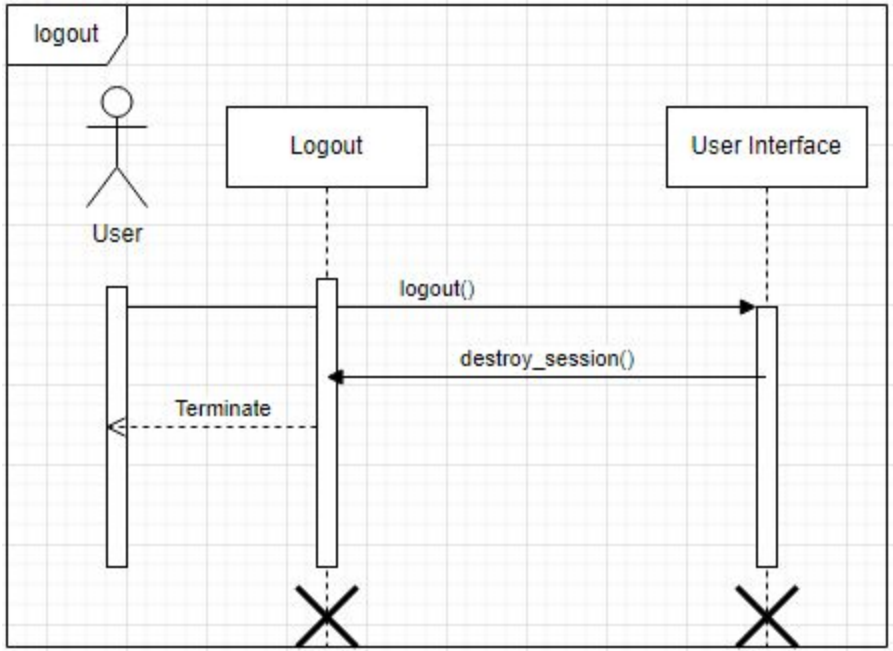
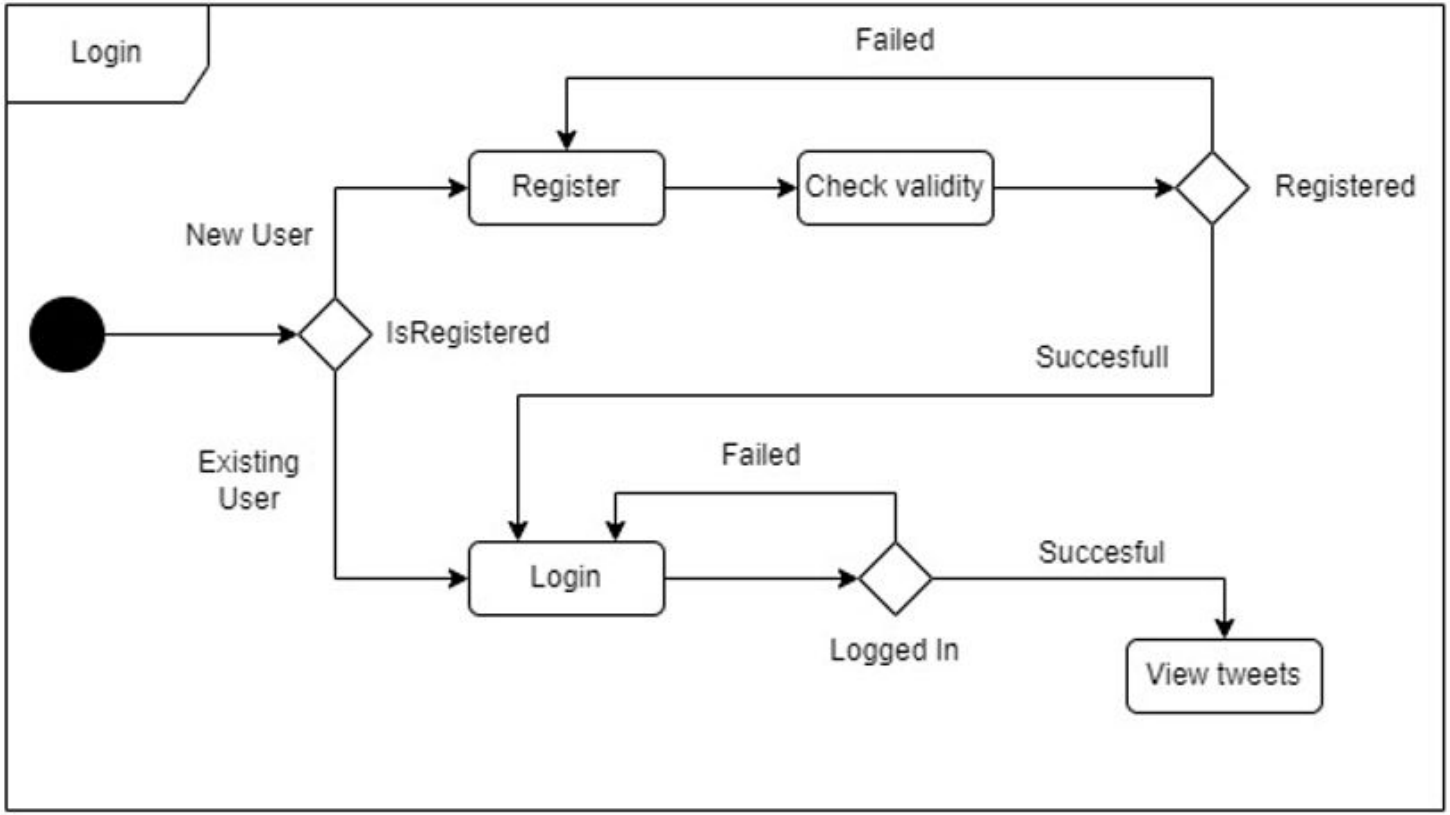


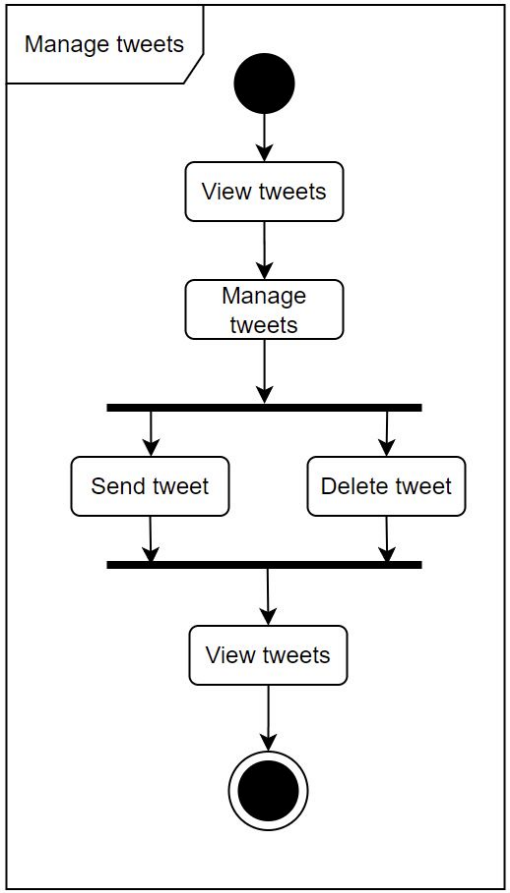
Process View

Activity Diagram



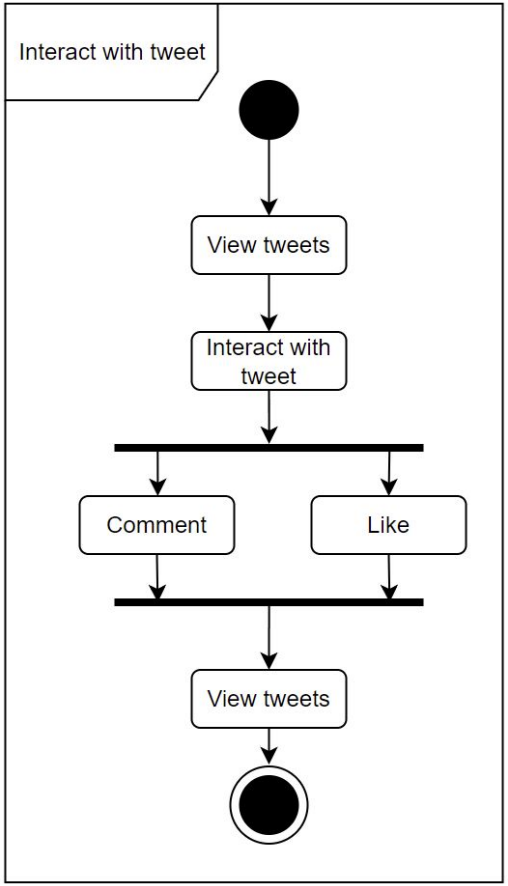
Process View

Activity Diagram



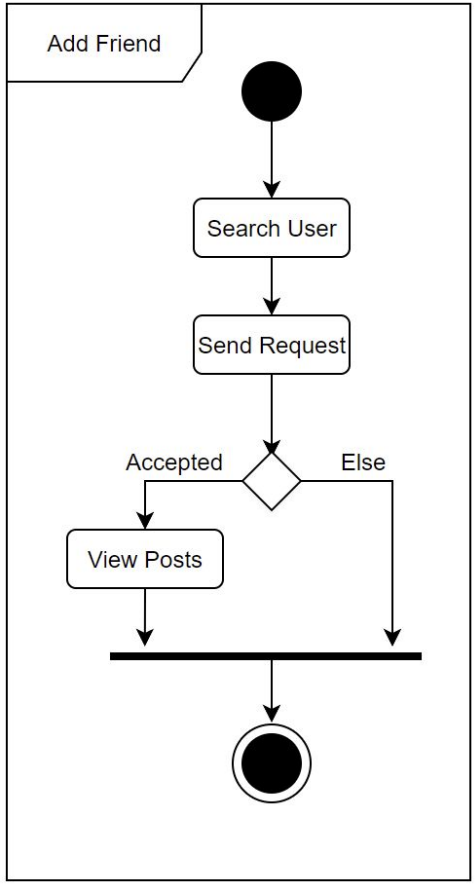
Process View

Activity Diagram



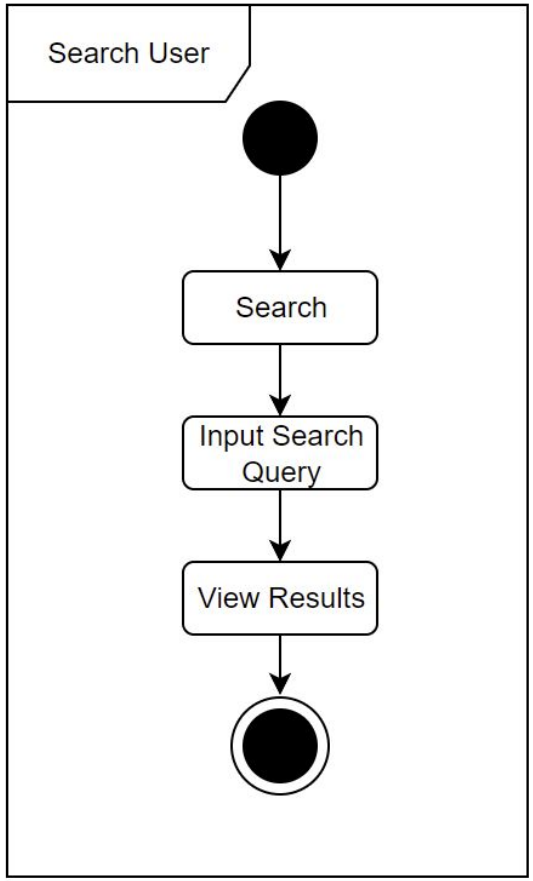
Process View

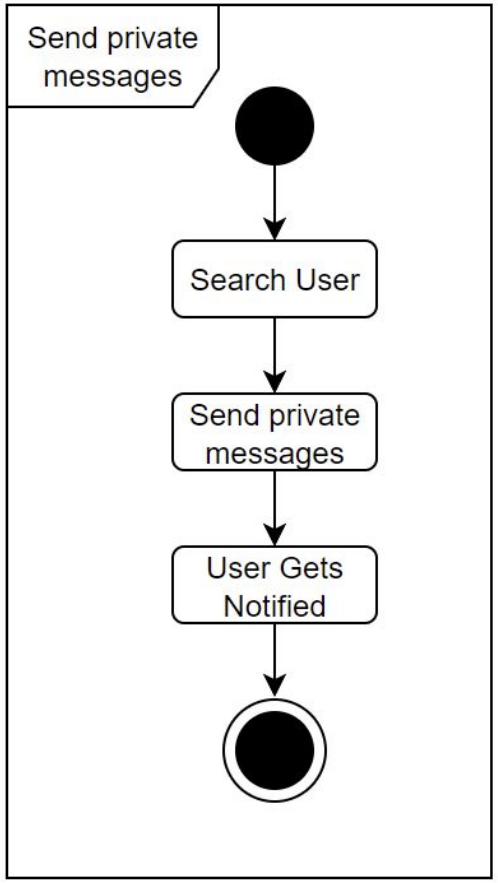
Activity Diagram



Process View

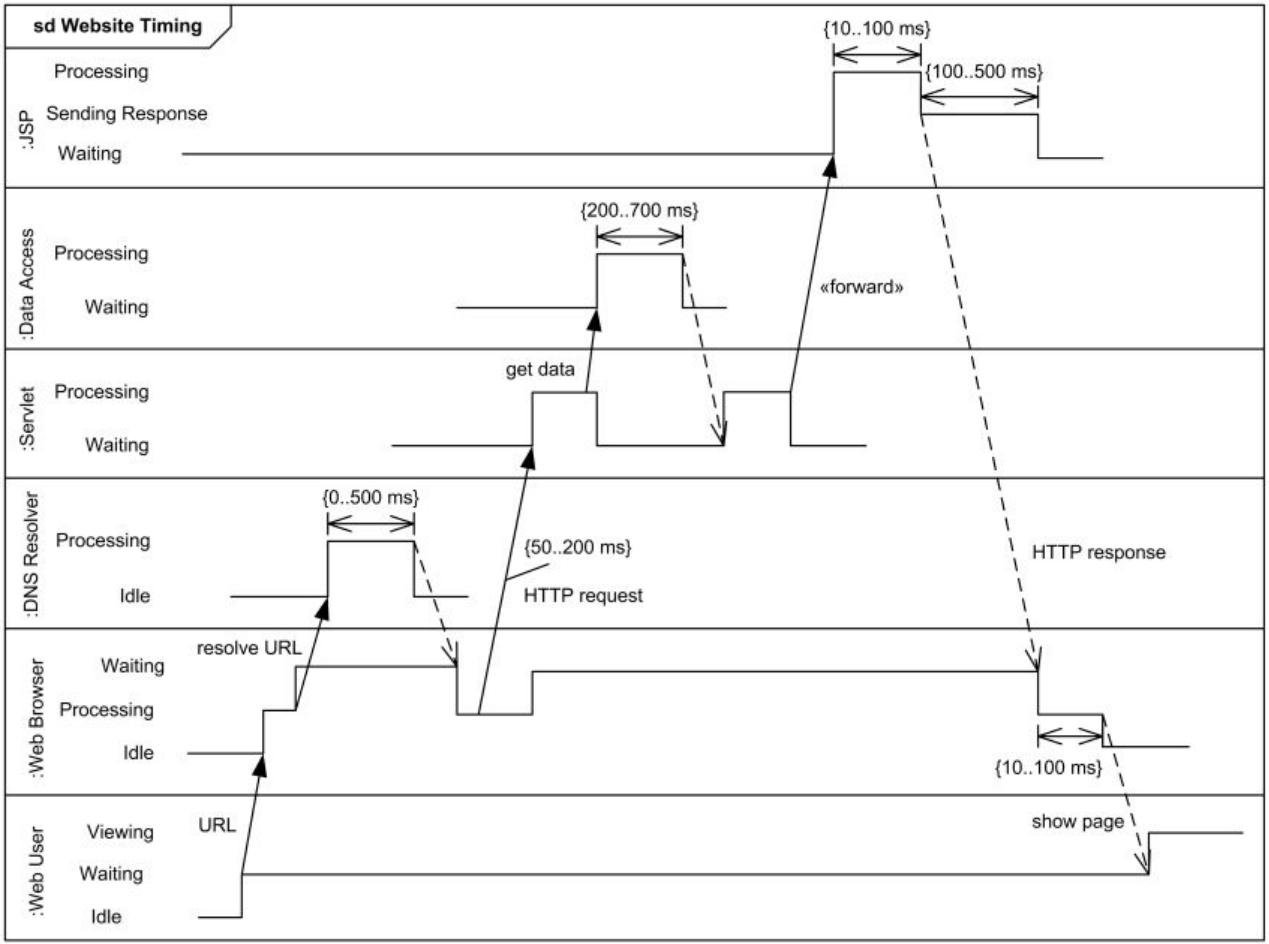
Activity Diagram



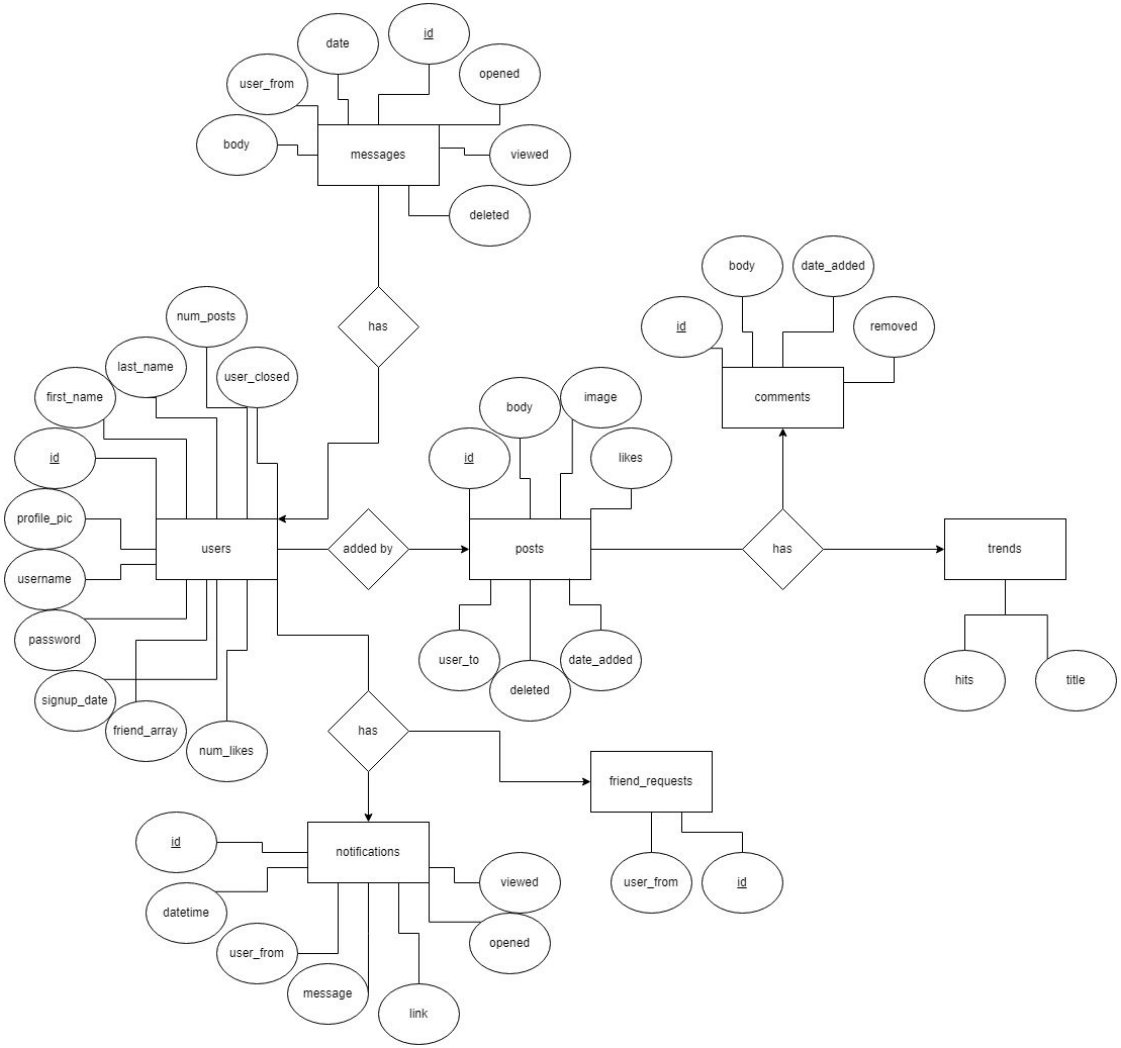


Process View

Timing Diagram



ER Diagram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friend_array
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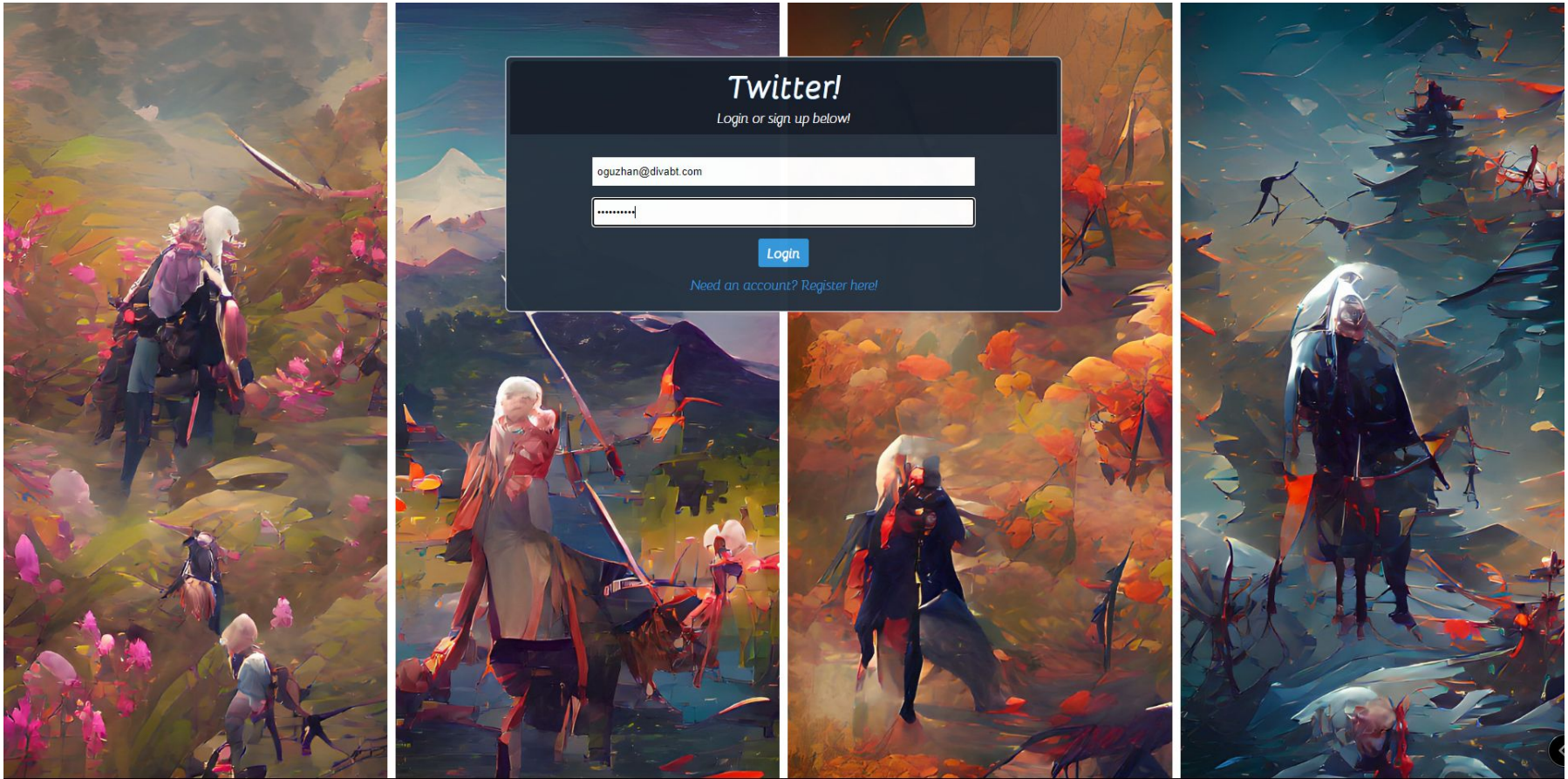
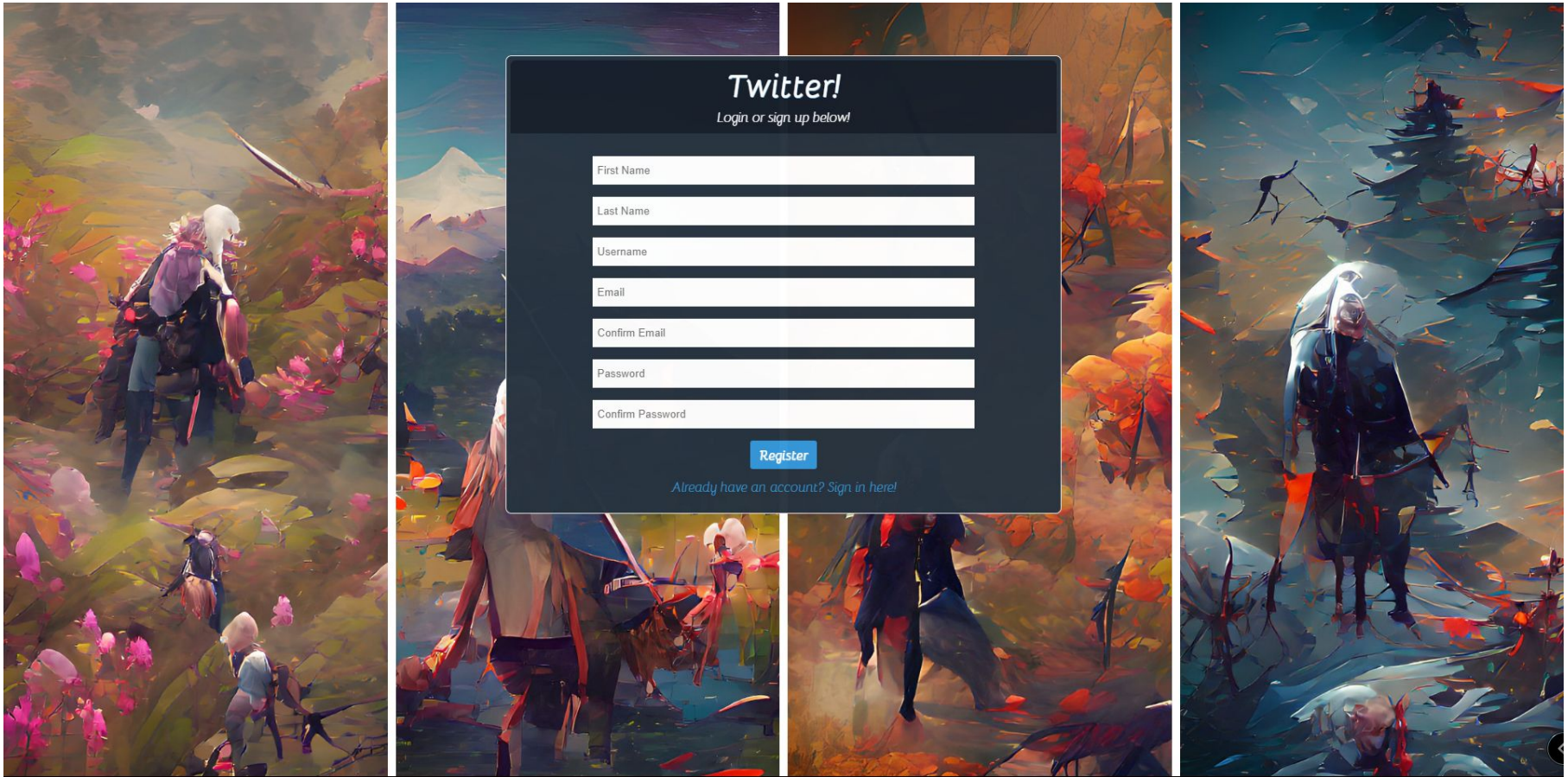
User Manual

Login Page



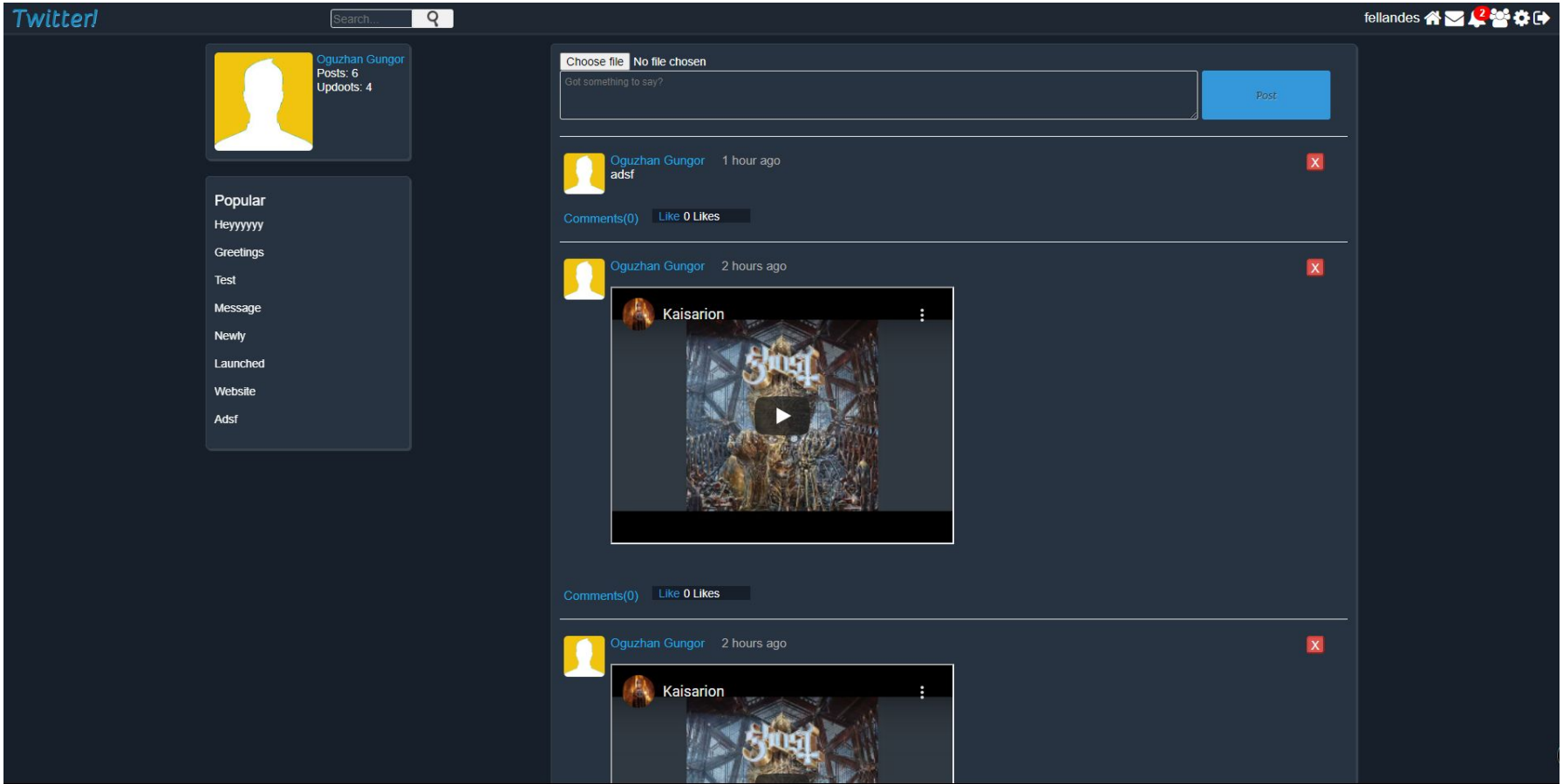
User Manual

Register Page



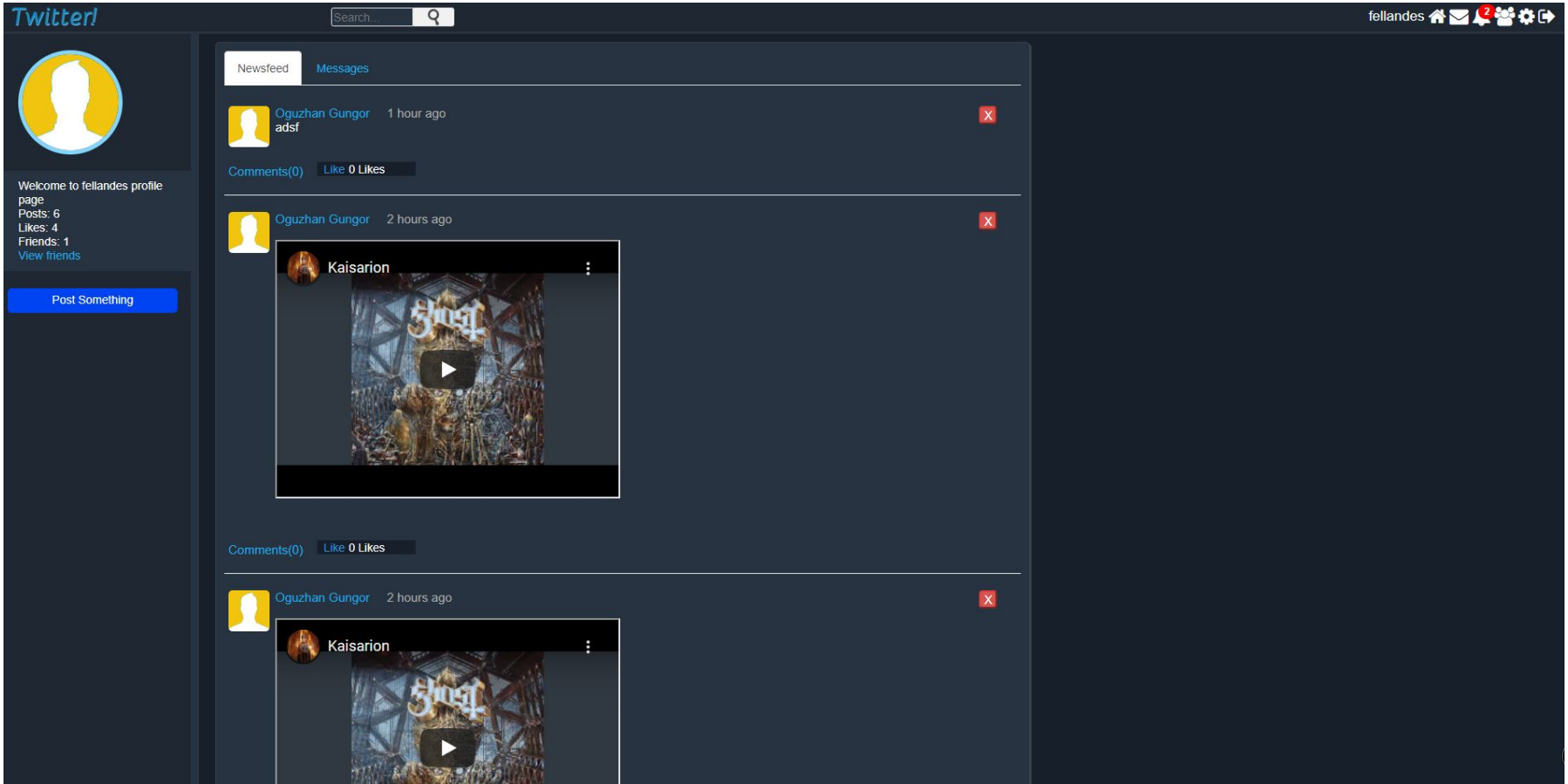
User Manual

Home Page



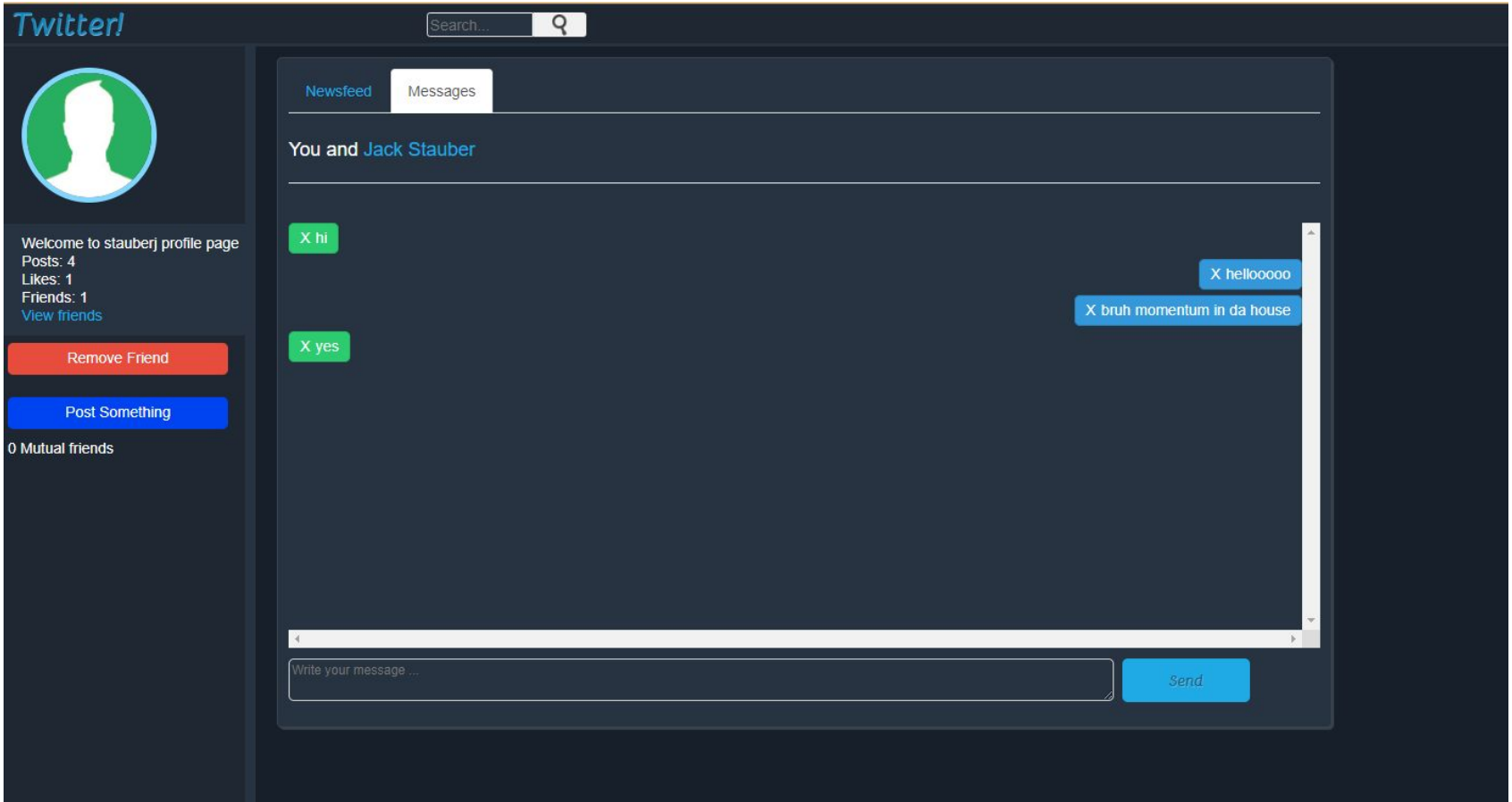
User Manual

Profile Page



User Manual

Message Screen Page



User Manual

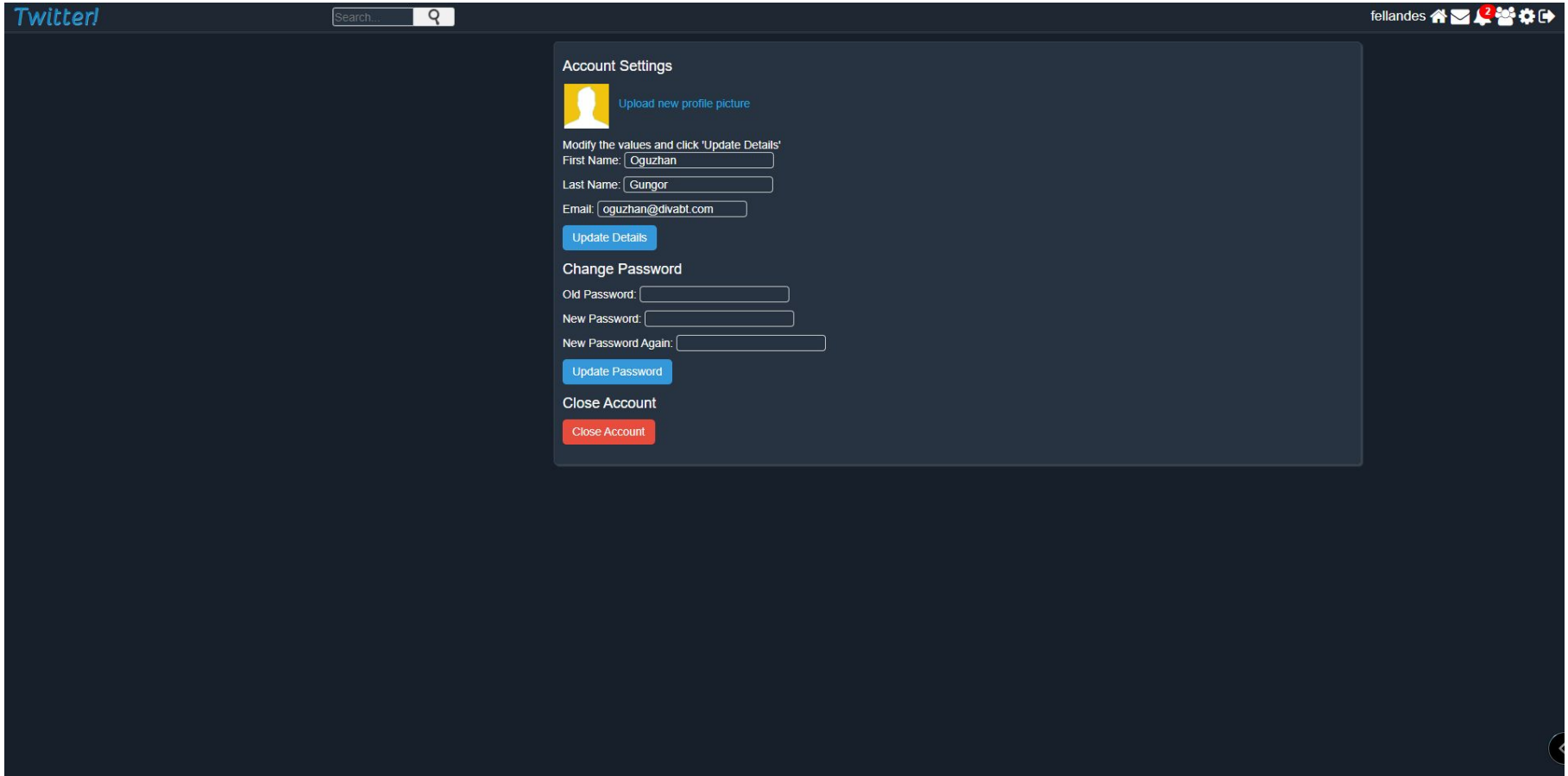
Comments

User Manual

Notifications & User Searching

User Manual

Settings Page



Thanks For Listening