Object-oriented Analysis & Design with UML Project

GROUP MEMBERS (1/1): Yoke NGASSA

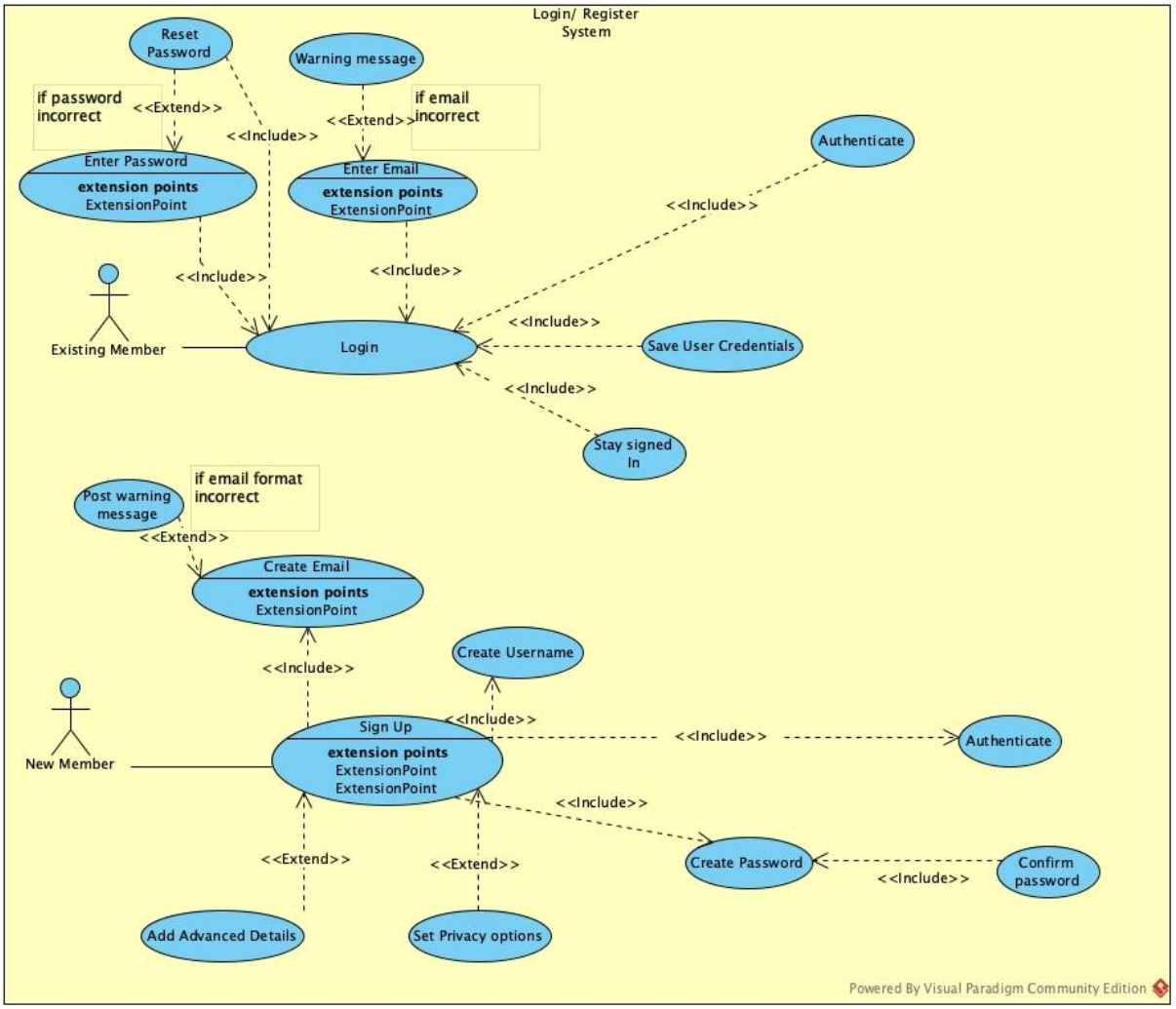
PROJECT DESCRIPTION:

This anime database is a haven for anime enthusiasts. Users can browse into an extensive catalog of anime series and movies, browse beloved character profiles, and relish memorable quotes that have captivated anime lovers.
What sets this platform apart are its interactive features:

- Recommendation System: Discover new anime tailored to your preferences.
- Discussion Forums: Engage with fellow fans in lively discussions.
- Rate and Review: Rate and review anime/manga to your liking.
- Catalog Browsing: Have fun interacting with anime characters through chatbots, games, and quizzes.
- Add To Watchlist: Add several anime/manga to your watchlist, and customize your user experience.
- User-Generated Content: Contribute your fan art, fan fiction, or cosplay photos to the community.
- User Feedback and Content Submission: Share your thoughts, report issues, and even submit your favorite anime/manga for inclusion.
- User Stats: Keep track of your viewing history and engagement on the platform.

Whether you're a seasoned anime fan or a newcomer, this platform is your gateway to the anime universe, offering an array of features to enhance your anime experience.

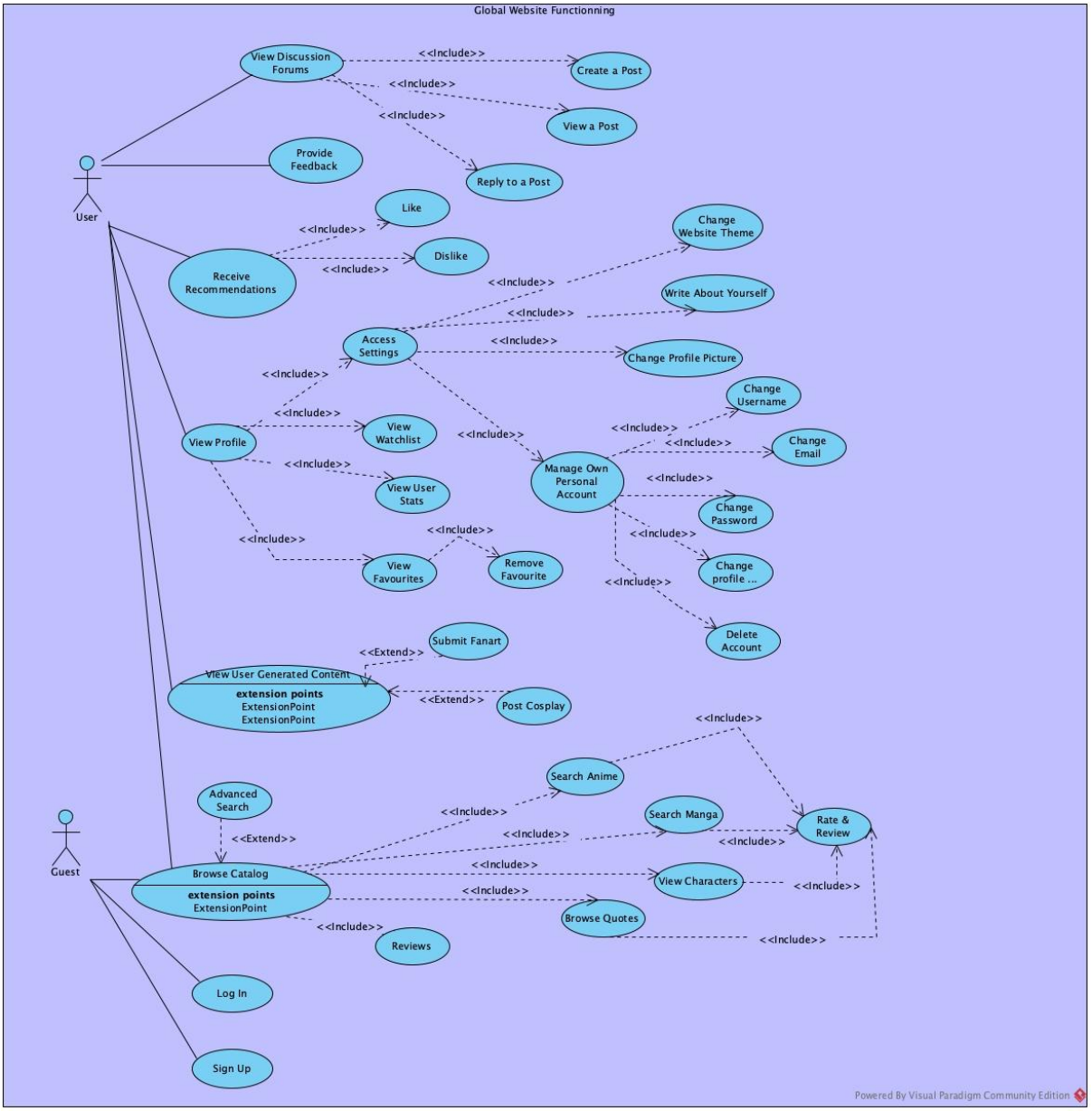
USE CASE DIAGRAMS:



Use-Case Diagram #1
User Authentification System

This use case diagram focuses specifically on the user authentication process, user login and registration. It was created to highlight the steps and interactions involved in authenticating users. The conditional behaviors, such as "Reset Password," are included to address specific scenarios where users may need to reset their passwords. This diagram clarifies the conditional logic behind user authentication, to emphasize the importance of security and access control.

- By Yoke NGASSA



Use-Case Diagram #2
Global Website System

This use case diagram illustrates the key interactions and functionalities of the website. It was designed this way to provide a clear overview of how an existing member and a guest interact with the system and the core use cases.

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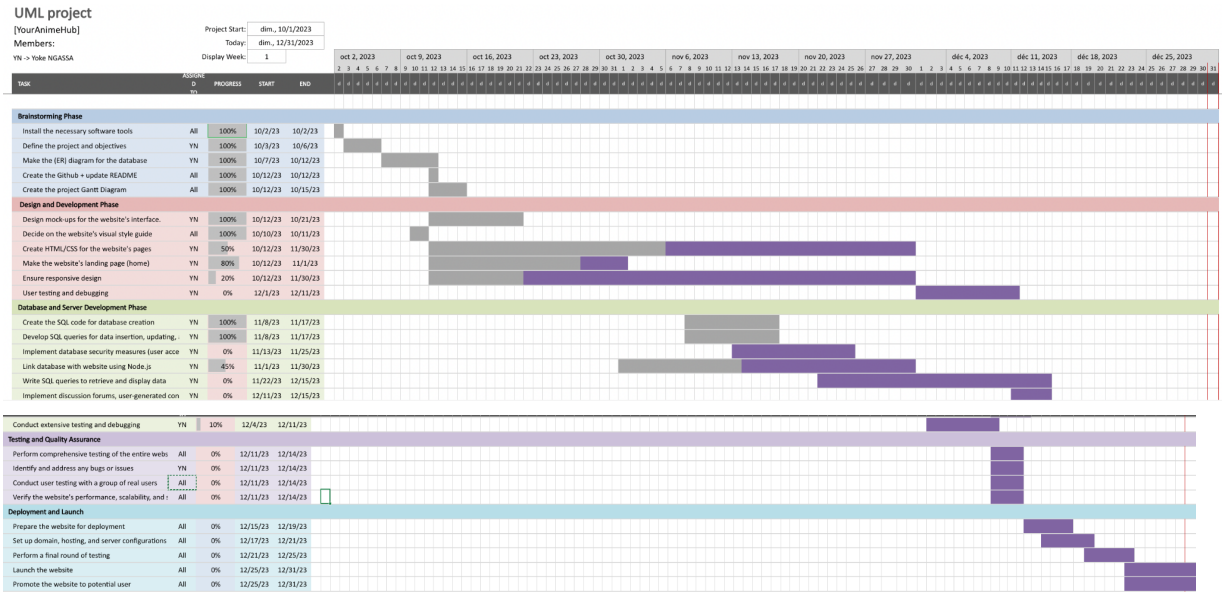
GANTT DIAGRAM:



Gantt Diagram #1

This Gantt diagram outlines the project plan for the anime website (YourAnimeHub) development. It provides a visual timeline of project phases and tasks, which will help in project management and progress tracking. The diagram goes from October 1st 2023 to December 31th 2023, knowing that the real ending date of the project is December 15th 2023. Tasks durations are estimated.

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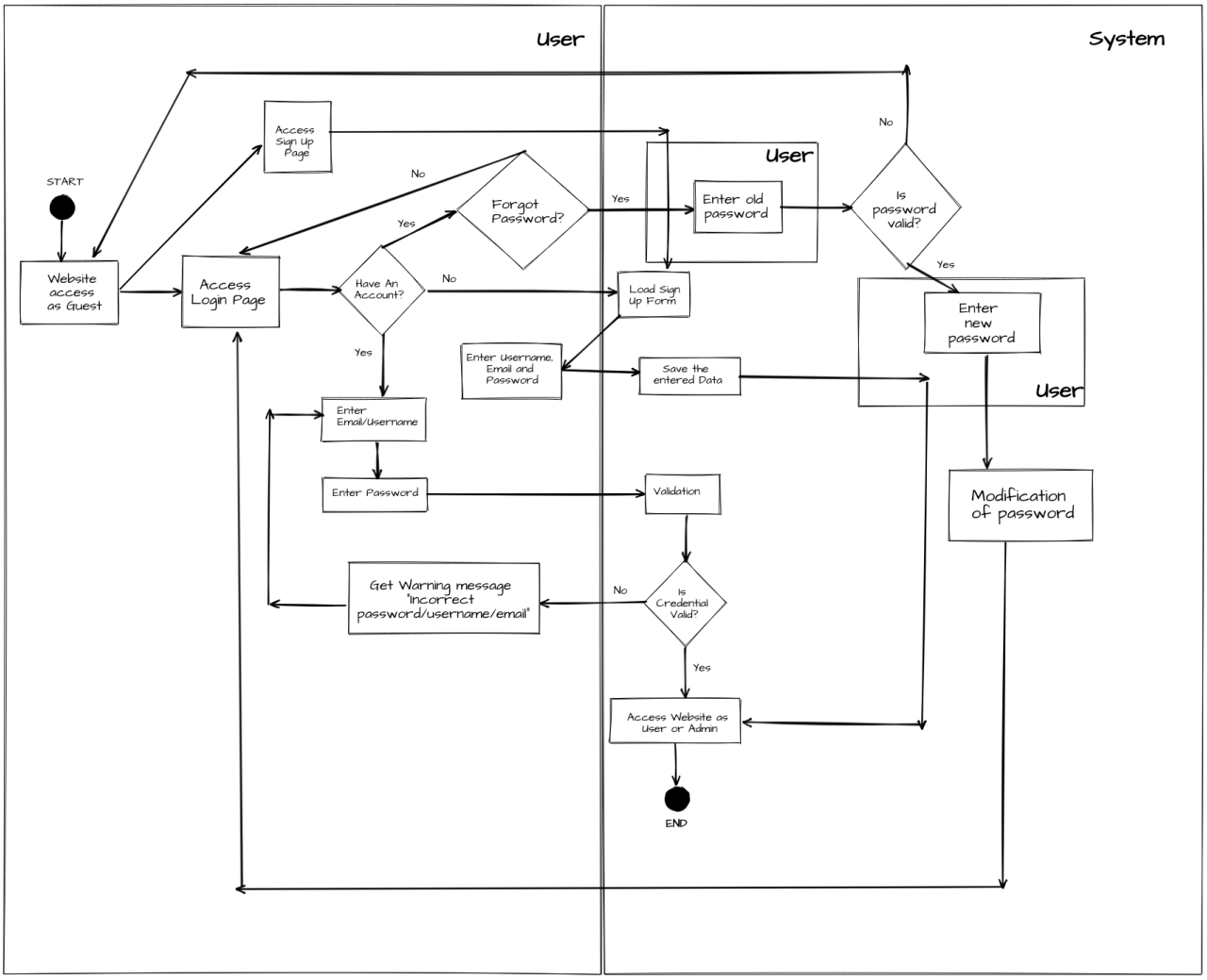
ACTIVITY DIAGRAM:



Activity Diagram #1

This Activity diagram is the activity diagram of the authentication system. It provides the hierarchy in the user actions when he starts the authentication process (sign up and login).

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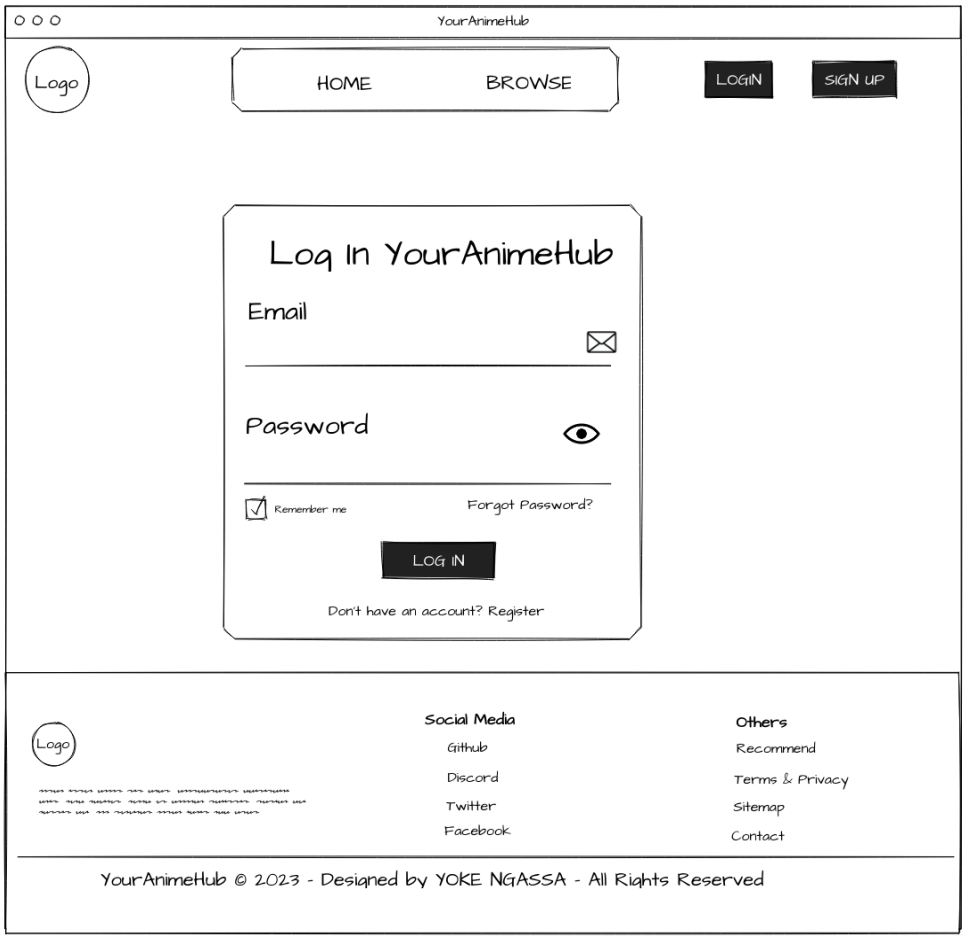
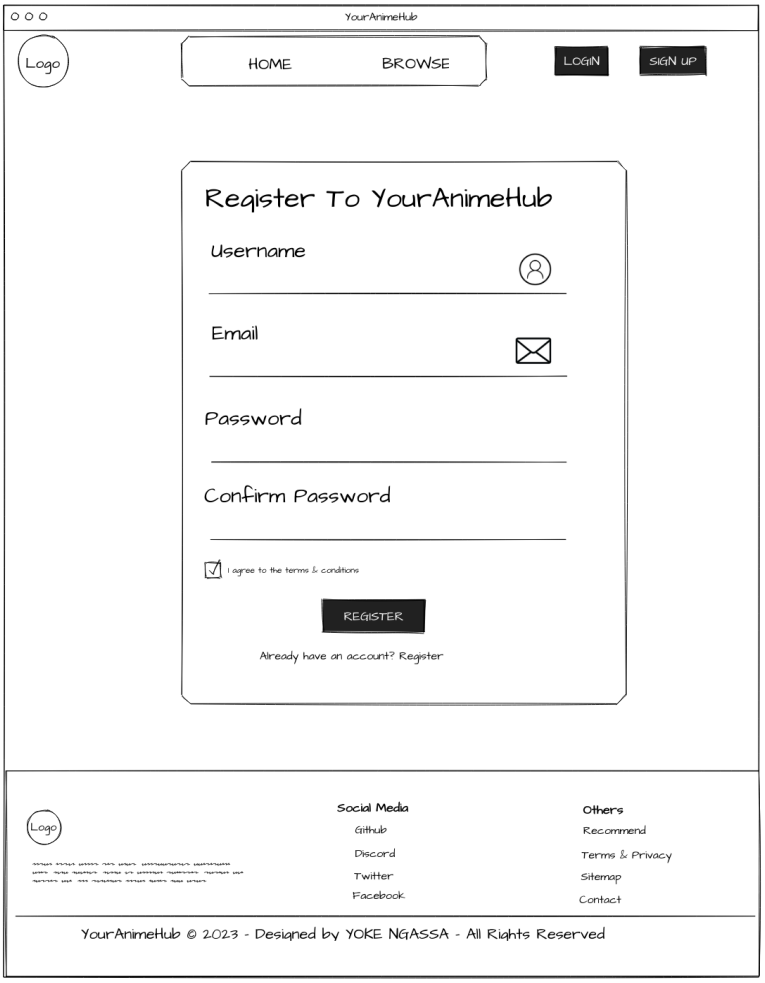
WIREFRAMES:

- Login Wireframe



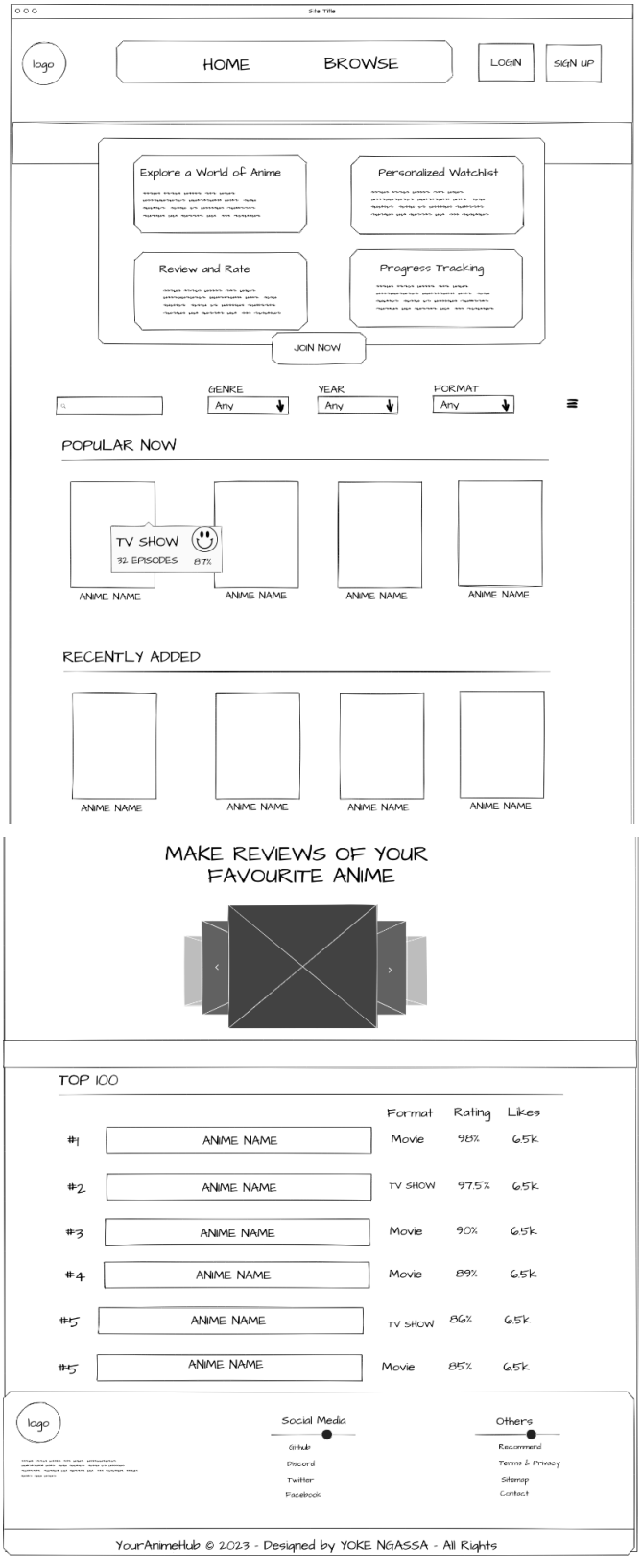
Wireframe #1

- Register Wireframe



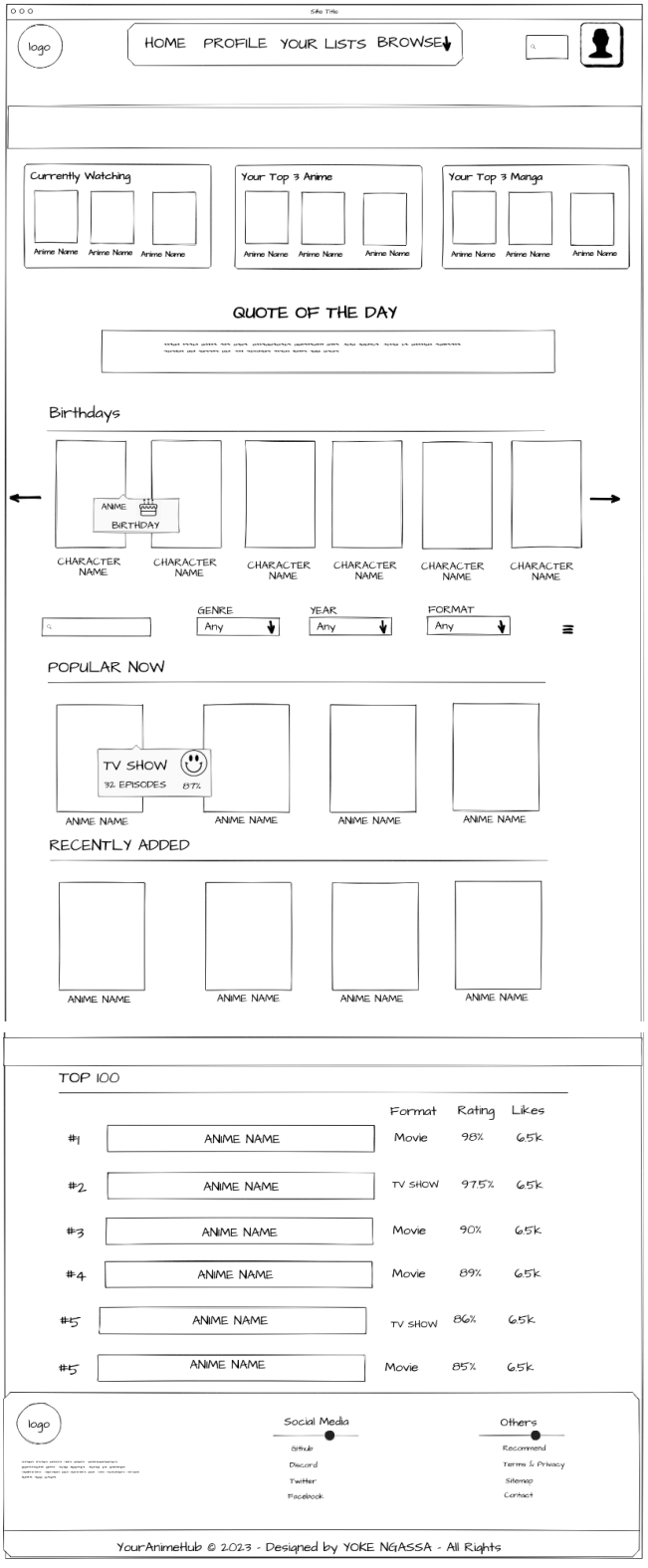
Wireframe #2

- Home (Guest Wireframe)



Wireframe #3

- Home (User role)



Wireframe #4

Table Structure Diagram

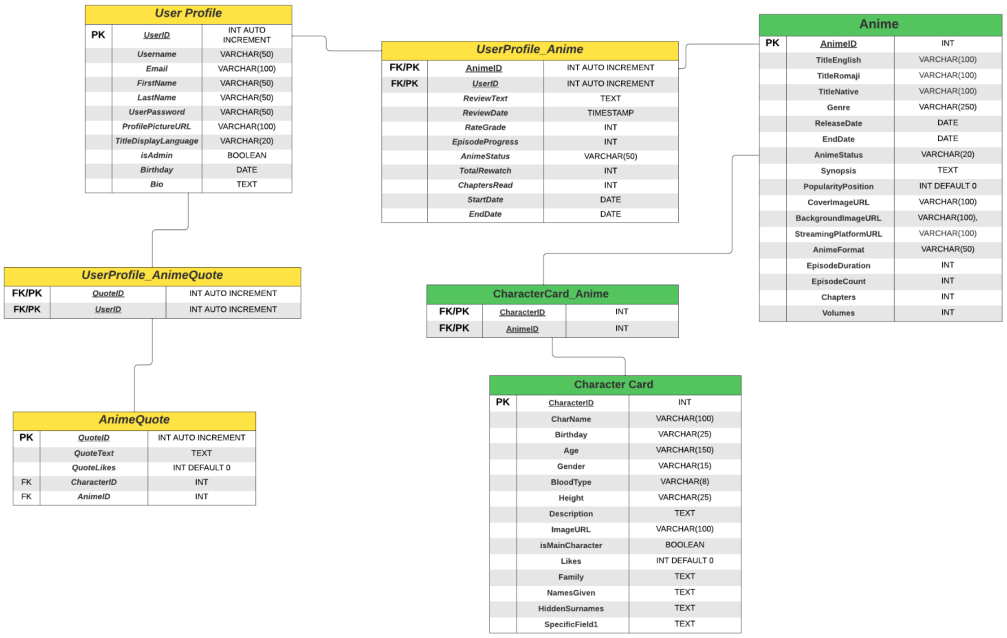
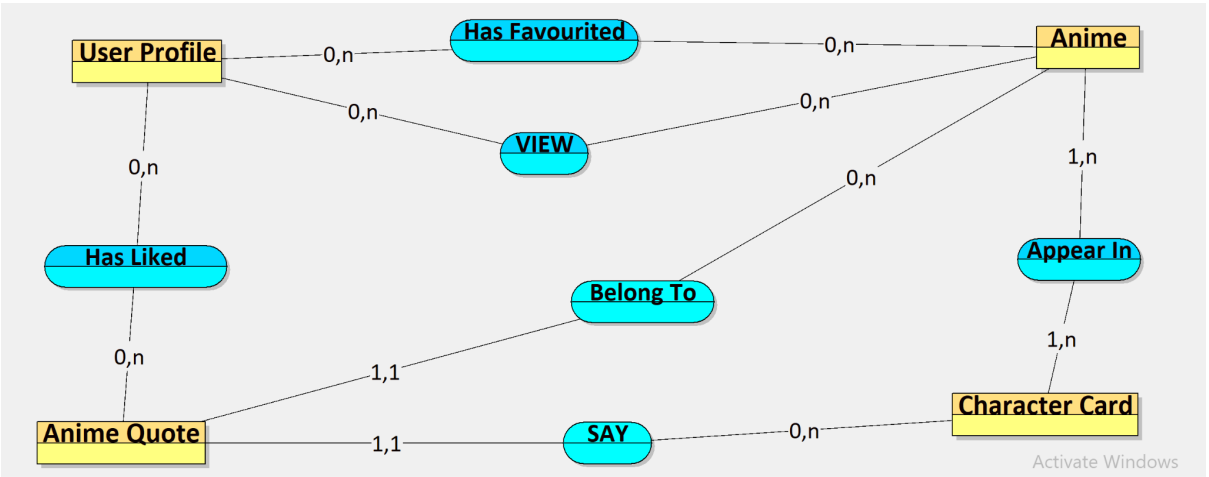


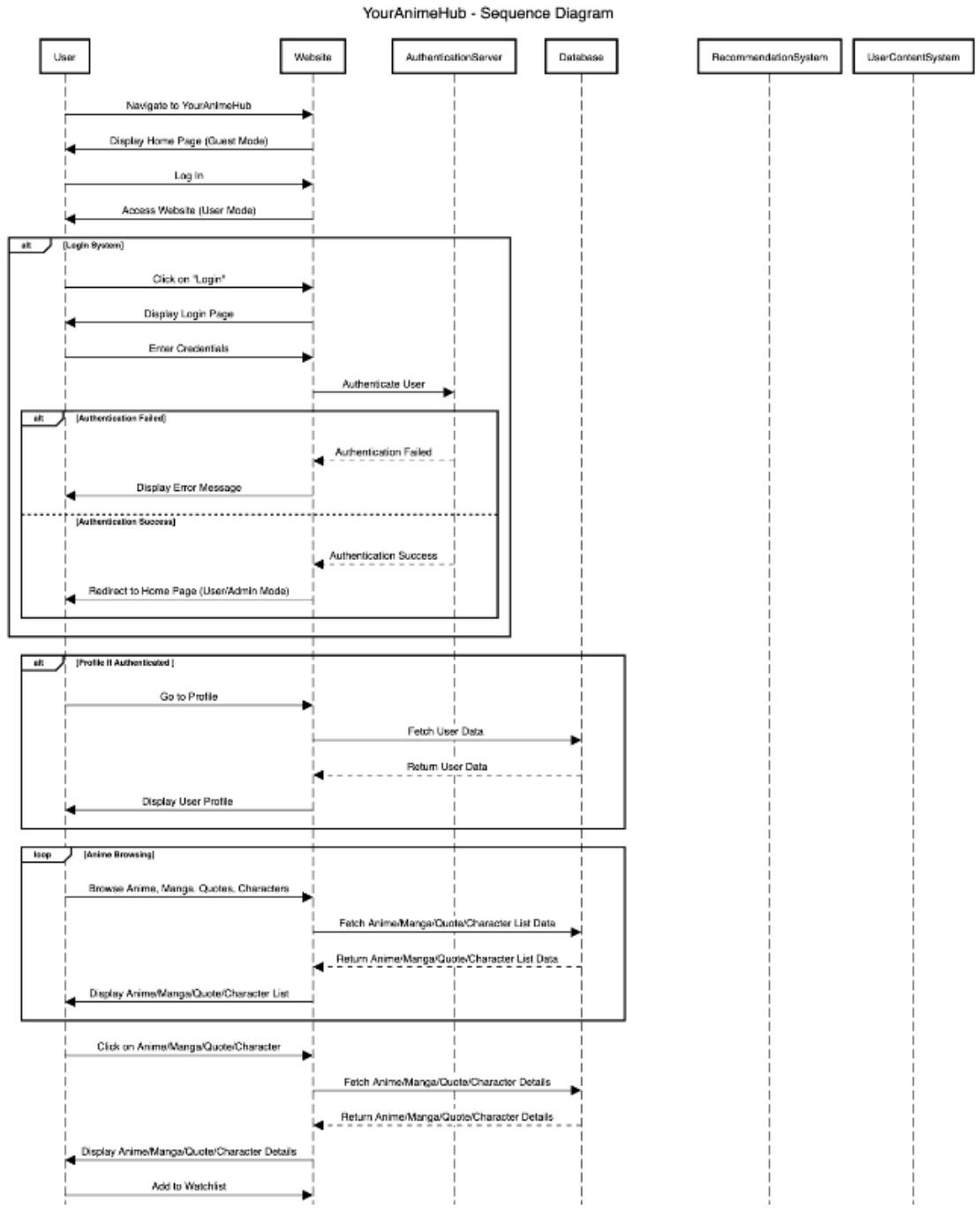
Table Structure Diagram

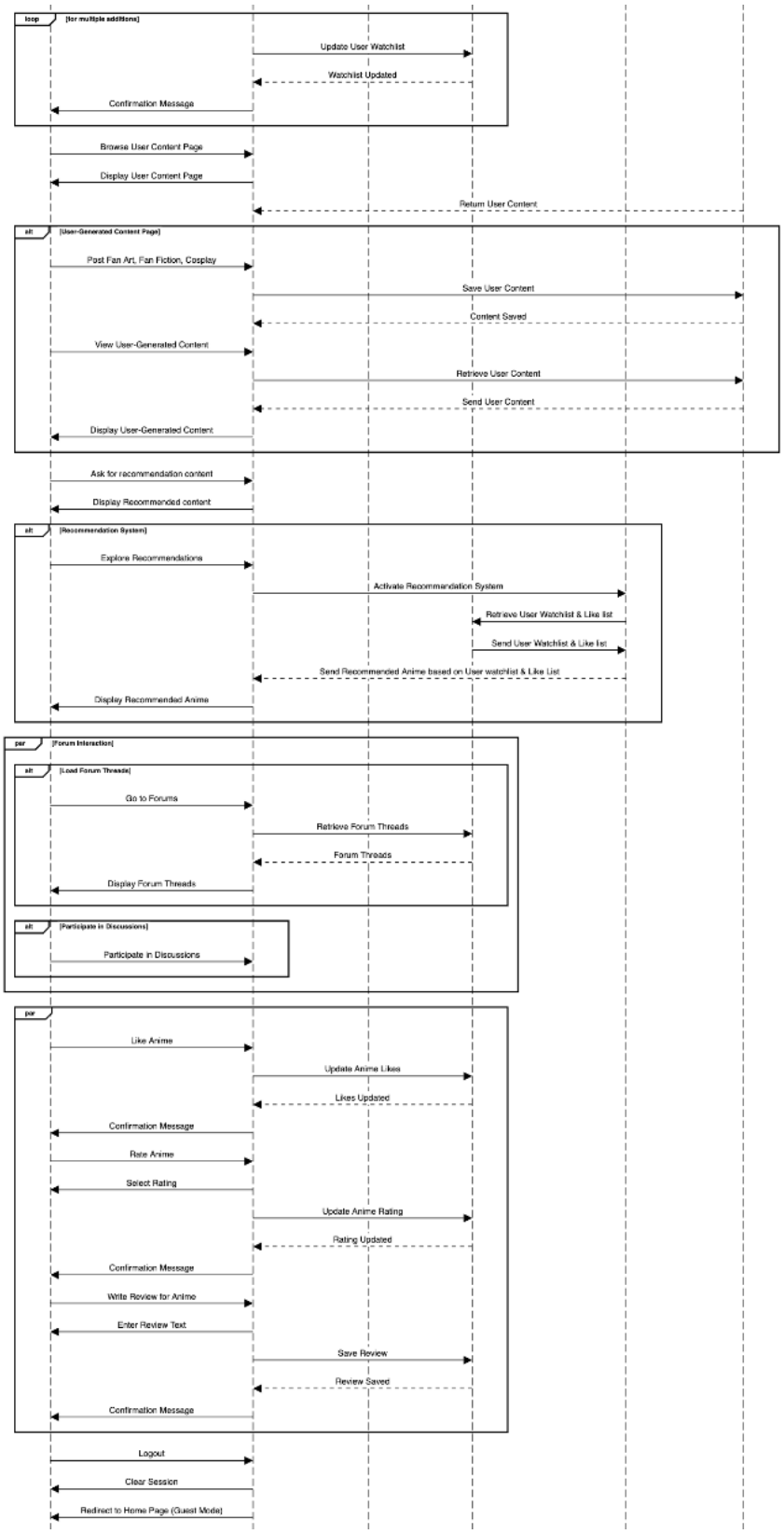
ER Diagram



ER Diagram

SEQUENCE DIAGRAM:





Sequence Diagram #1

This sequence case diagram illustrates the key interactions and functionalities of the website. It was designed this way to represent the different scenarios of the website, and the temporal representation of the messages exchanged between the differents key headers (in my case “User”, “Website”, “Database”, and so on..

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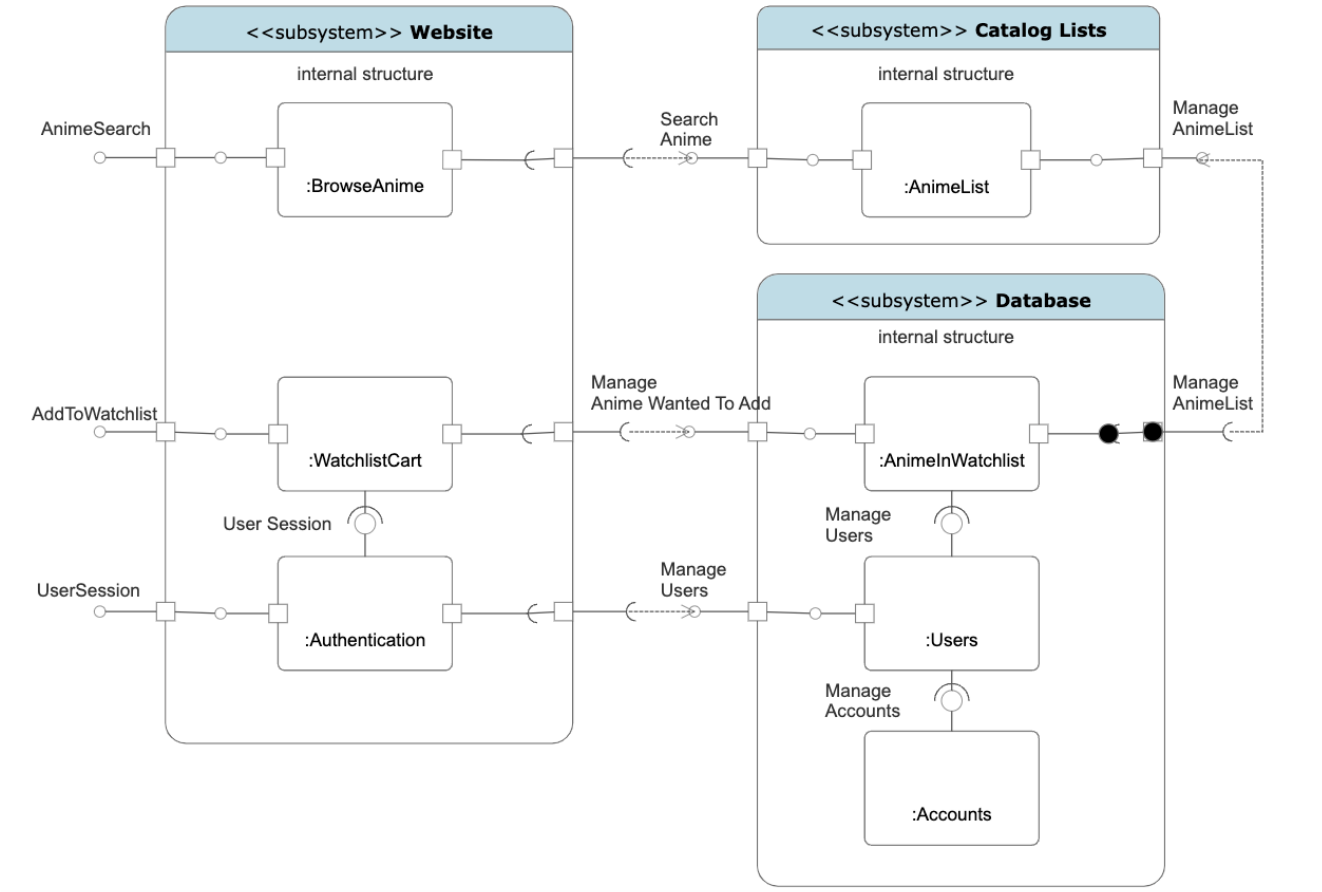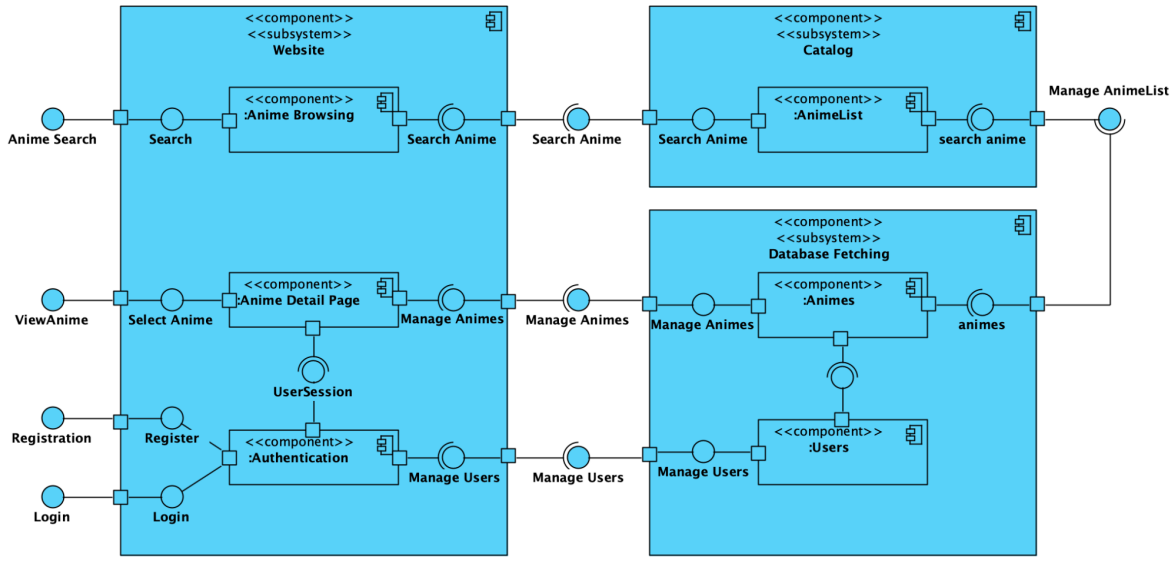
COMPONENT DIAGRAM: