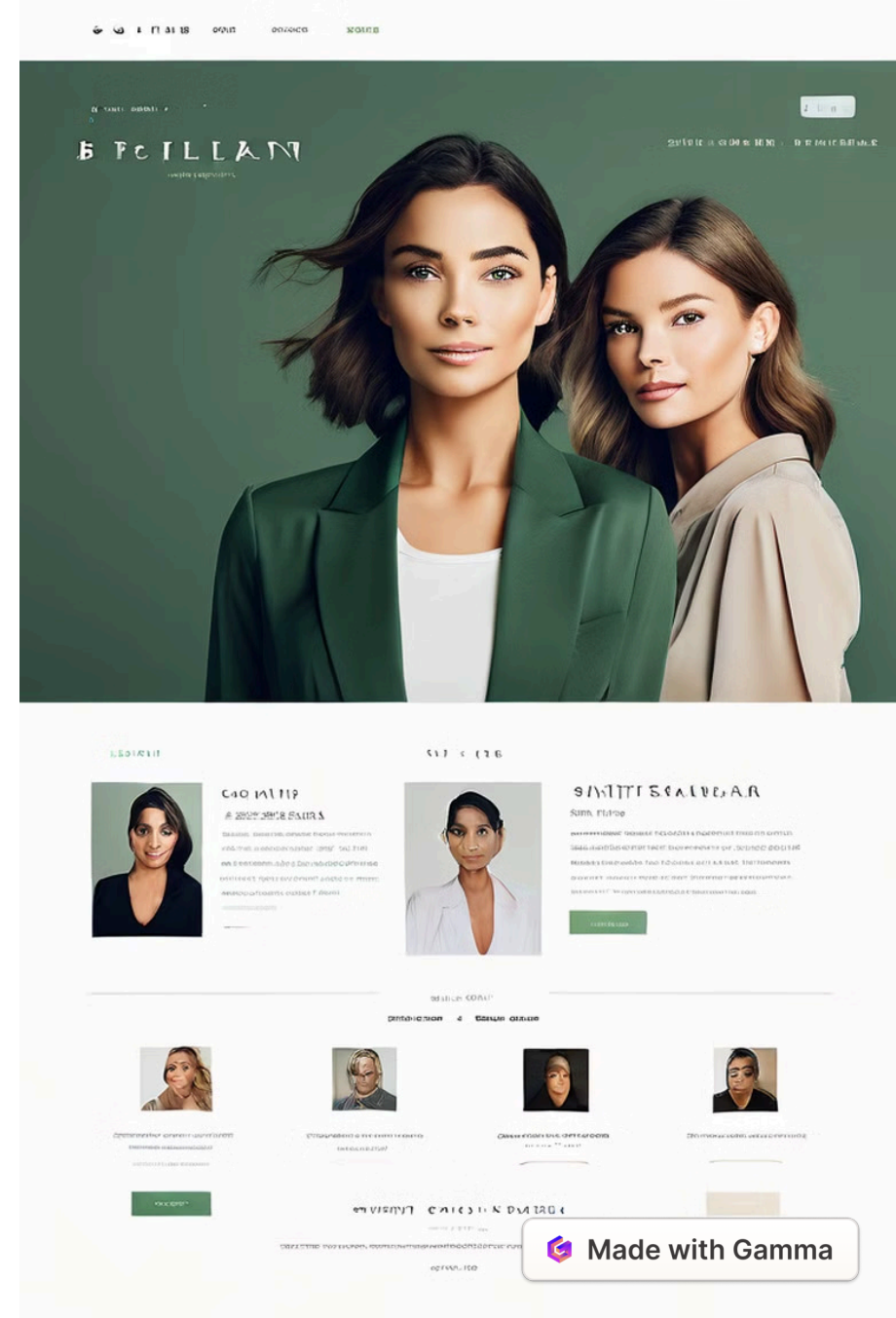


# Movie & TV Show Club Management System

Introducing a comprehensive platform that empowers movie and TV show enthusiasts to connect, share their passions, and engage with like-minded individuals. Our innovative solution addresses the gap in the market, offering a centralized hub for community-driven content and club management.





# Problem Statement

1

## Lack of Centralized Platform

Existing platforms are either too broad or too limited, lacking specific features for community-driven content sharing and club management.

2

## Disconnected Enthusiasts

Movie and TV show enthusiasts struggle to find a dedicated space to connect, share their views, and engage with like-minded individuals.

3

## Fragmented Experiences

The absence of a comprehensive solution results in a fragmented and suboptimal experience for users seeking to explore, discuss, and celebrate their favorite movies and TV shows.

# Our Team

Irene

Kimani

Cherop

Brian

# Our Solution

## Secure User Authentication

Ensures the privacy and safety of our users' data.

## Club Creation and Management

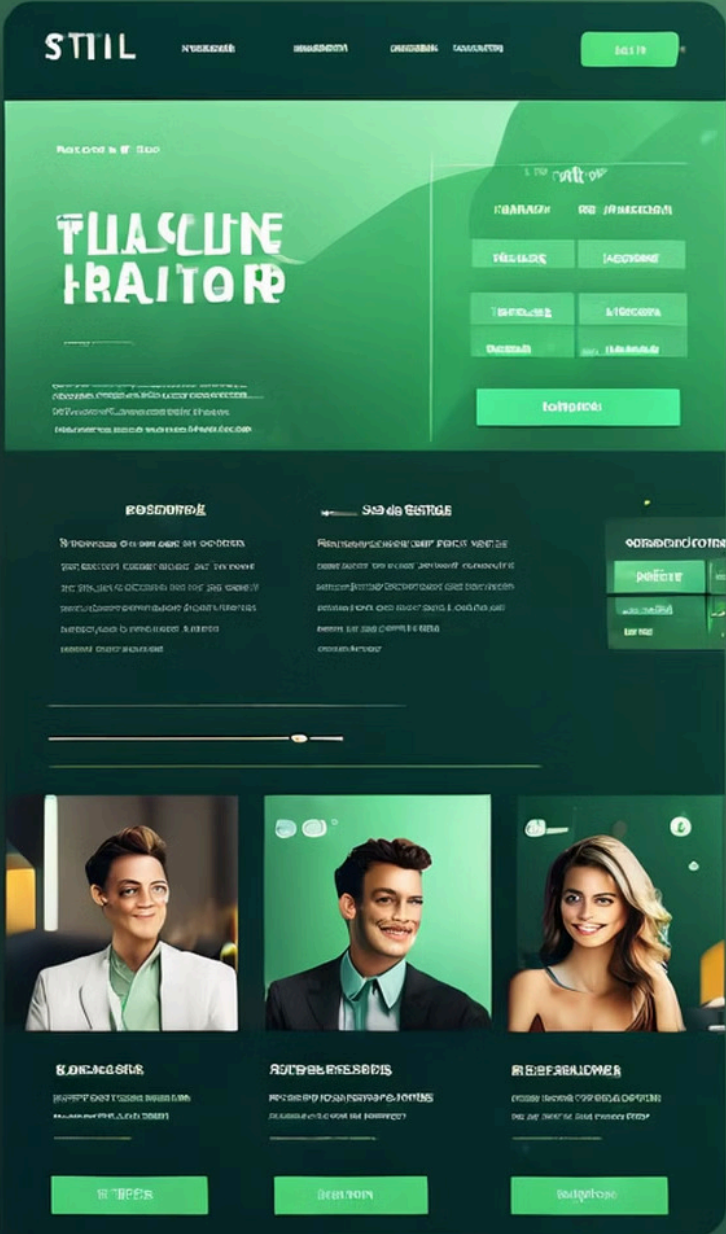
Allows users to create and manage their own clubs centered around movies and TV shows.

## Follow System

Enables users to follow other users and clubs, fostering a tightly-knit community.

## Post and Comment Functionalities

Empowers users to share their thoughts, reviews, and engage in discussions.







# Technology Stack



React

For building the user interface.



Redux

For state management.



Flask

For building the RESTful API.



PostgreSQL

For storing and managing data.

# Challenges and Solutions

1

## Complex Relationships

Managed many-to-many relationships between users, clubs, posts, and followers using SQLAlchemy's `back_populates` and `secondary`.

2

## Consistent API Requests

Implemented Axios interceptors to ensure smooth and secure API integration.

3

## Authentication Security

Utilized Werkzeug for secure password hashing and validation, ensuring the safety of user credentials.



# Project Milestones

1

## Initial Planning

Defined the scope, requirements, and architecture of the project.

2

## Front-end Development

Created React components, integrated Redux, and set up routing.

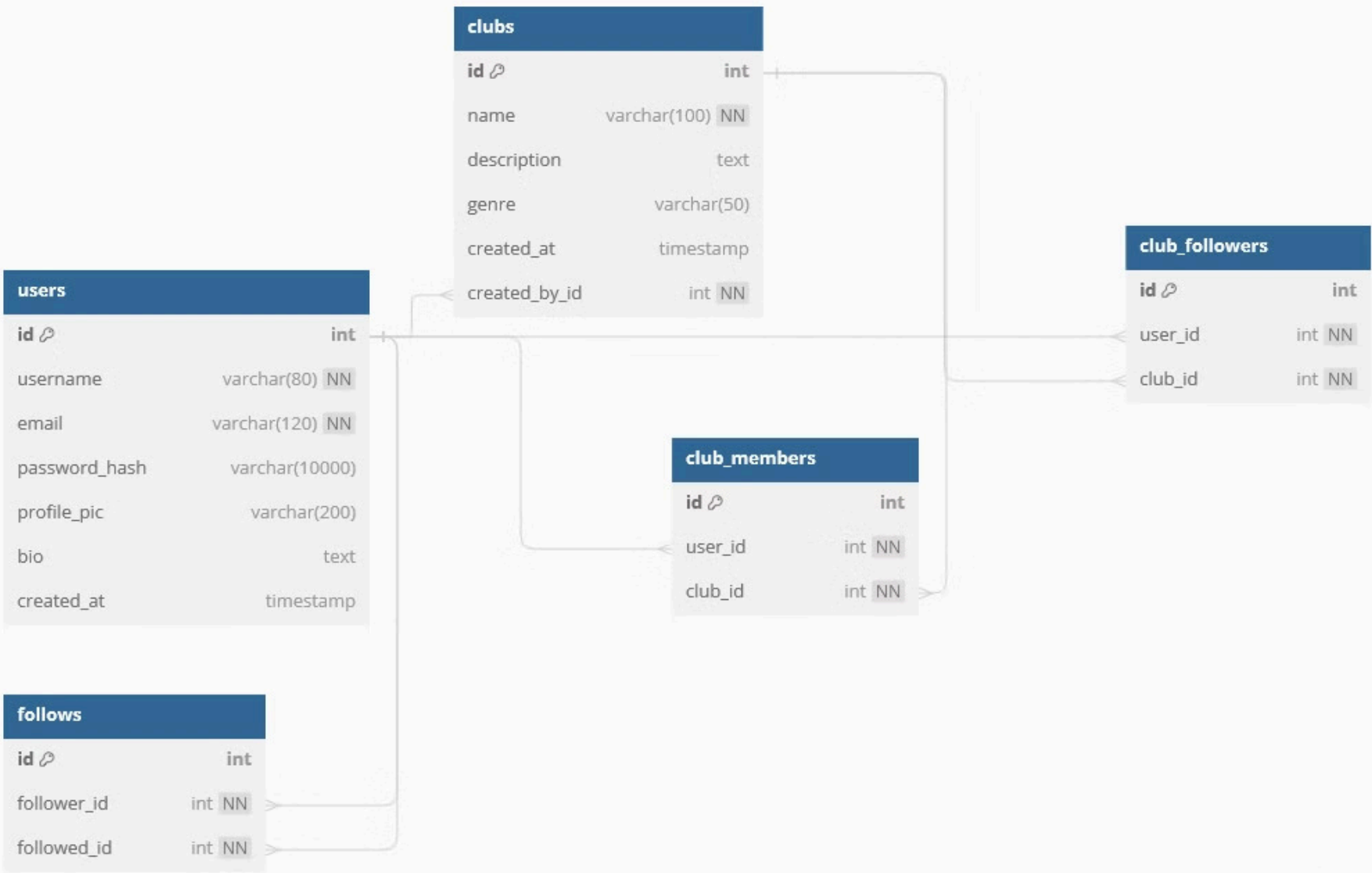
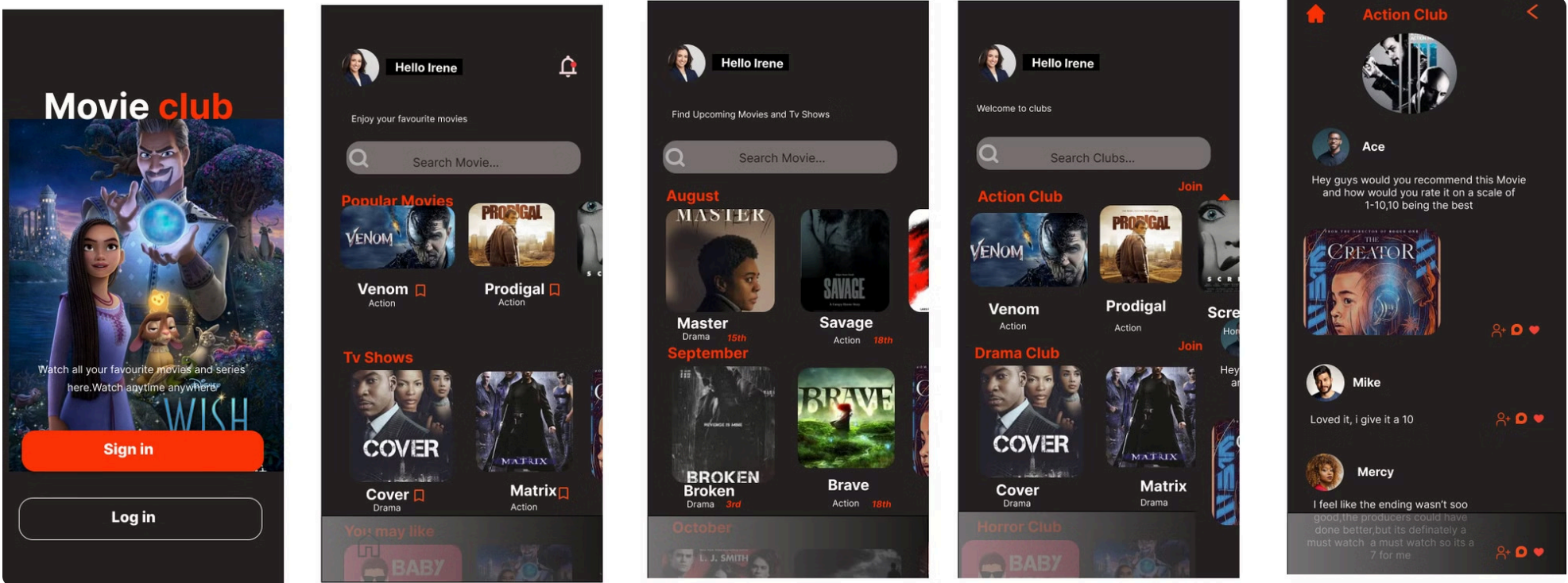
3

## Back-end Development

Built the Flask API, designed the database schema, and implemented authentication.



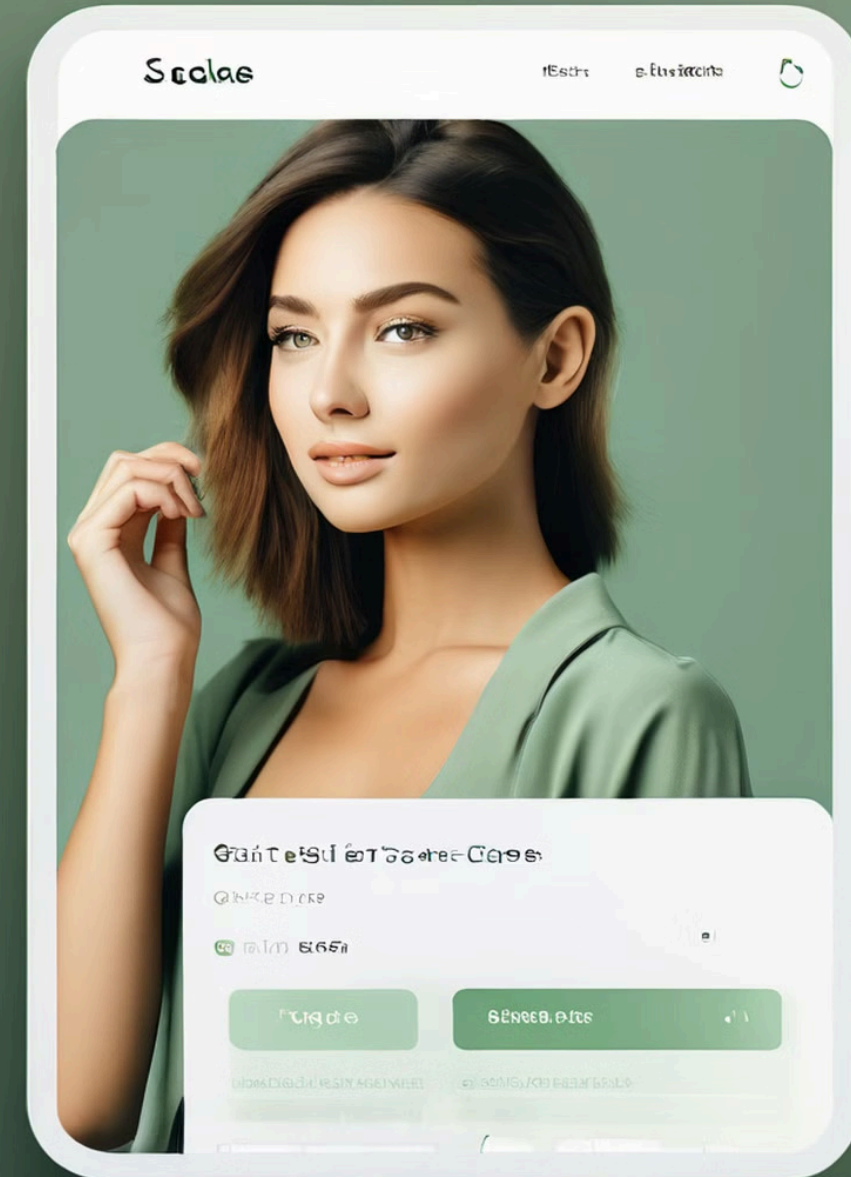
# Figma UI Design & DB Diagram





# Live Demo

- 1 User Registration and Login**  
Seamless onboarding experience for new users.
- 2 Club Creation and Posting**  
Allows users to create their own clubs and share content.
- 3 Following and Notifications**  
Users can follow each other and receive updates on their activities.



# Future Enhancements

## Real-time Notifications

Implement a real-time notification system to keep users informed about the latest activities in their network.

## Direct Messaging

Add direct messaging capabilities to enable users to have private conversations with their peers.

## UI/UX Optimization

Continuously enhance the user interface and user experience to provide a more intuitive and engaging platform.



# Conclusion

Our Movie & TV Show Club Management System has been meticulously designed and developed to address the needs of movie and TV show enthusiasts. By providing a centralized platform for community engagement, content sharing, and club management, we aim to foster a vibrant and connected ecosystem for fans to explore, discuss, and celebrate their passions.

