

MovieMate

Members:

- Neha Ramachandra
- Conner Groth
- Joe Zakrzewski
- Lizzie Ruff
- Maeve Pettey
- Ella Pasternak

What is MovieMate?

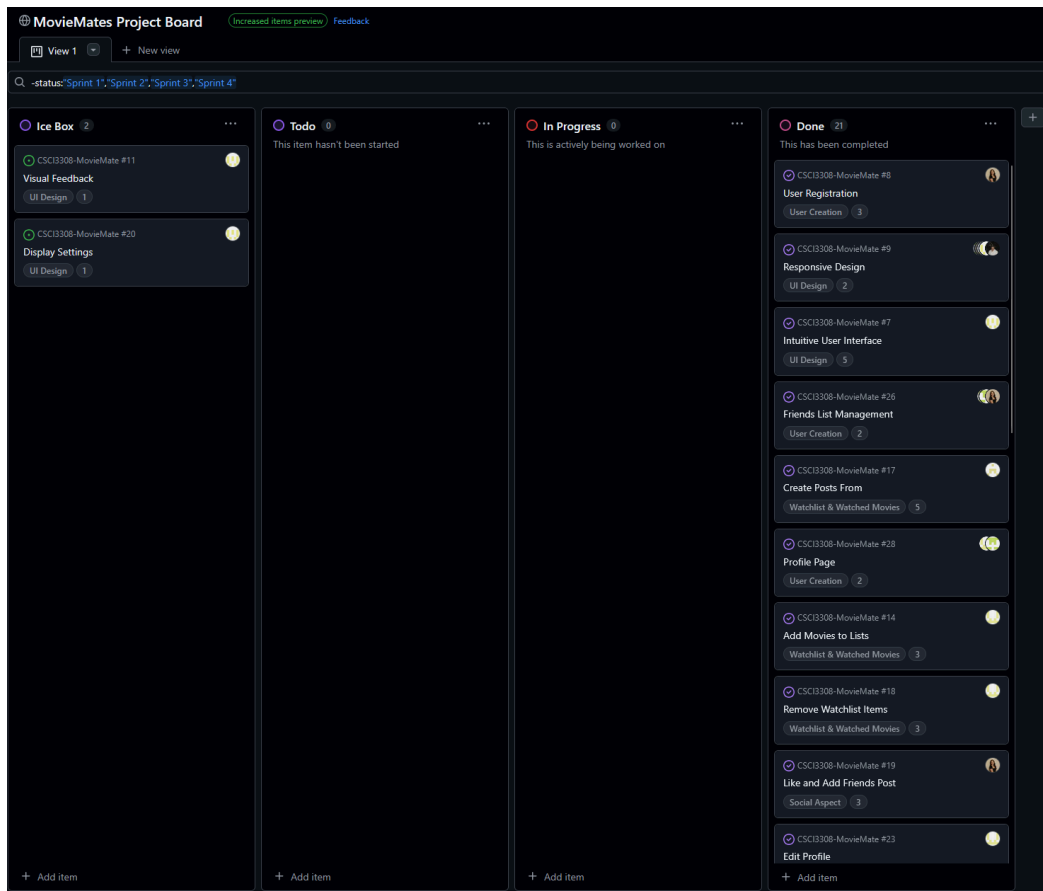
MovieMate is a social media platform built exclusively for movie enthusiasts who are passionate about tracking, rating, and discussing films. Unlike broader review platforms such as Rotten Tomatoes, *MovieMate* is centered around community engagement, enabling users to connect with fellow movie-lovers through posts, recommendations, and discussions. The platform focuses solely on movies—TV shows are intentionally excluded to maintain a streamlined, film-focused experience.

Upon signing up, users create a personalized profile where they can manage a watchlist of movies they want to see, share their thoughts through posts and reviews, and connect with a community of fellow movie-lovers. Profiles include bios, profile pictures, a friends list, and a history of posts, allowing users to interact with others and build meaningful connections. A "following" tab showcases content shared by friends, while a separate explore tab highlights top-rated films curated through a movie API.

The explore feature allows users to search for specific titles or filter by genre, making it easy to discover new movies. The friends page lets users view posts created by only people they follow, and the messaging feature allows them to discuss movies with their friends. *MovieMate* provides an intuitive, engaging space for passionate moviegoers to fuel their love of film. Whether discovering new favorites or sharing reviews, *MovieMate* brings movie fans together in a unique digital community.

Project Tracker - GitHub project board:

<https://github.com/users/Joe-Z-School/projects/2>



Video:

Recording-20250422_204502.webm

VCS:

<https://github.com/Joe-Z-School/CSCI3308-MovieMate>

Contributions:

Neha: I contributed to both front-end and back-end development. I designed the initial database schema using Postgres to manage users, hashed passwords, movie data, and posts. I implemented profile features for viewing and editing account details with error handling. I enabled follow/unfollow functionality and collaborated with Maeve on the followers, following, and watchlist pages. I also helped display user posts by integrating database calls. Additionally, I refined the UI for consistency and responsiveness, aligning with Handlebars' layout requirements.

Ella: I primarily focused on front-end development but also contributed to the back-end. I implemented the login page so users could return to their accounts any time after logging out. I also created reusable components like the footer and navigation bar partials. I implemented the dark color scheme across the whole website to ensure everything looked clean and consistent. I created the post modal partial so that users can create their own post by inputting the movie name, an optional picture, their rating, where they watched the movie, and a comment on what they thought. I also implemented the comment functionality on the friends page so that you can go to a friends post and add a comment as well as view all the comments made from both yourself and other users.

Lizzie: I contributed primarily to the back-end of *Movie Mates* using SQL, and Nodes Js, implementing the entire notifications system, including general, follow request, and message notifications. I built the full follow flow—from sending requests and approving/declining them to unfollowing. With the corresponding pop up modals for this as well. On the front-end, I developed the social posts page, integrating infinite scroll, like functionality, and dynamic comment submission. I ensured real-time UI updates and accurate database syncing. At the end I developed a lot of the unit testing for the program using Chai and.

Joe: My contributions to *Movie Mate* consisted of writing server side Nodejs, client side Javascript, visual and functional design of messaging page, user posting modal, and pagination optimization logic. The Nodejs that I implemented was the collection and storage into our database of movie posters and user uploaded images from both their private messages and their uploaded social posts. The visual and functionality of the messaging page and post modal consisted of writing CSS, Bootstraps modules for a clean HTML presentation, and WebSockets on both the client and server side for proper private chat rooms with saved logs for history displaying.

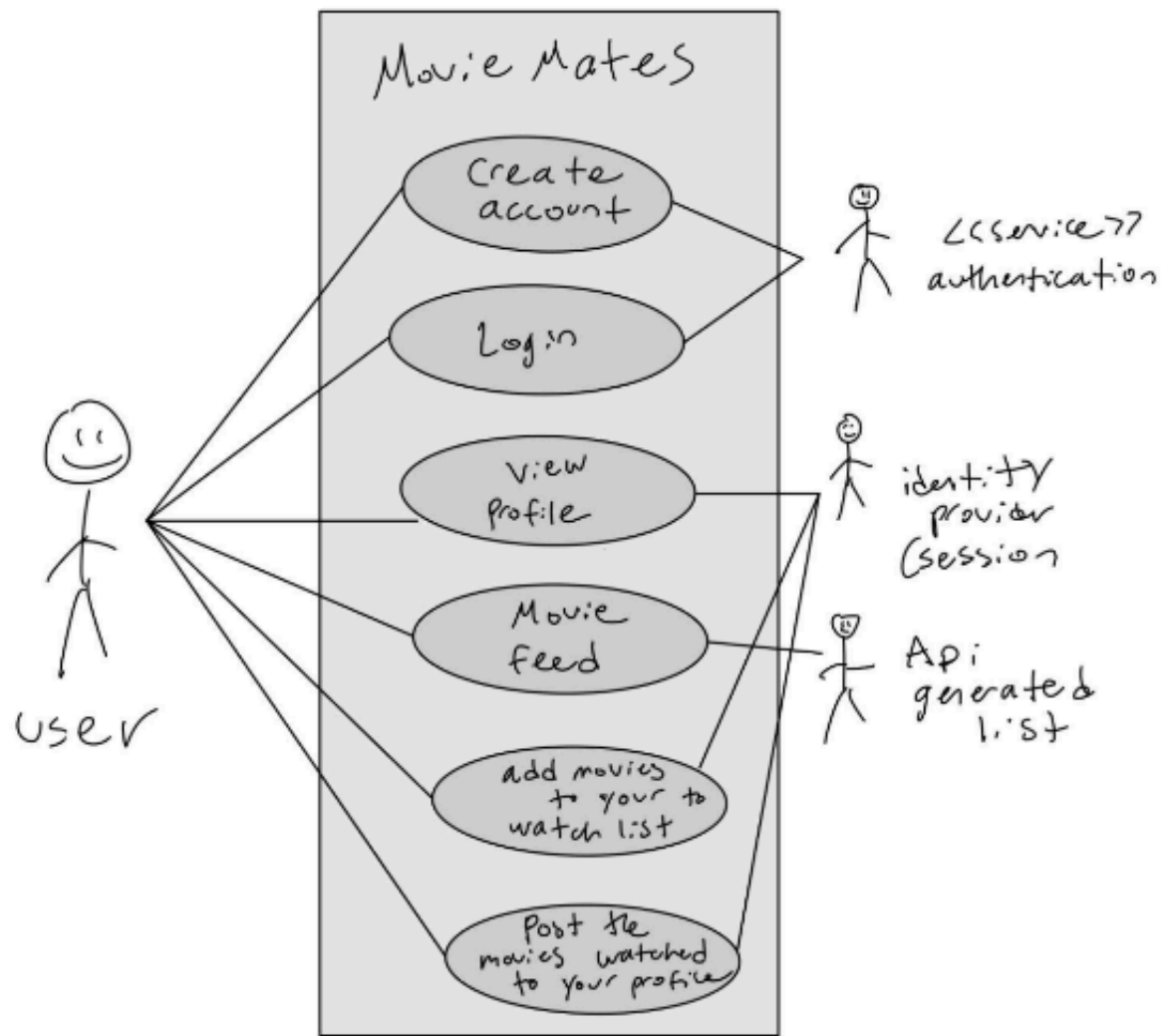
Maeve: During my work on *Movie Mate*, I focused primarily on front-end development. I built the initial registration form and developed the HTML layouts for the watchlist, followers/following, and post details pages, integrating Neha's backend. I addressed numerous HTML and styling issues across the site to ensure visual consistency. Additionally, I created and implemented profile pictures, ensuring proper display on pages like "find friends." I updated the profile page to feature tiled posts with a modal for detailed views upon clicking. I also made sure the navbar

was consistent and the footer didn't interfere with page layouts. Finally, I optimized the display of the logo and profile picture images.

Conner: My main contributions to *Movie Mate* were the Explore and Movie Details pages, writing both the frontend Handlebars, CSS, and client-side JavaScript code, as well as the backend Node.js code with routes to both the OMDB and YouTube APIs. I populated the Explore page with movies via calls to the OMDB API and enabling filtered search functionality. I also implemented effective data caching to avoid redundant calls to the API. For the Movie Details page, I populated the page with movie-specific data from the OMDB API and also implemented trailer embedding via the YouTube API.

Use Case Diagram:

Case Diagram



Wireframes:

Home Register

None Profile Pic

None

username

email

select profile icon

password

bio

Register

Home Login

username

password

login

MovieMate - - -

Notifications

All requests Messages

Liz liked your post x

Ellen commented on: x

Movie Mate

My Watchlist

Cover Highschool musical summary Remove

Remove

Movie Mates

Friends Post Find Grid

Filter By

- ☐ Action
- ☐ year
- ☐ genre
- ☐ Daption
- ...

Movie picture

Review: 4.5

Where to watch: ***

scroll more tables coming

Movie

Profile Pic Bio Friends

Posts To Watch Watched

movie movie movie

Movie Mate

Friends select a friend to chat

Liz

Ellen

Joe

type message ... Send

Modal

x Edit profile

Name:

Bio:

etc:

Save changes

Movie Mates

Filter By

- ☐ Action
- ☐ year
- ☐ genre
- ☐ Daption
- ...

Explore

movie picture

+ genre: Description: Watched? ☐

Movie Mates

Find Friends

Search

Movie Mate

Followers

Liz bio

Ellen bio

Joe bio

Nina bio

Movie Mate

Following

Amy bio

Kim bio

Movie Mate

Cover for movie

Title year length overview

Cast:

Additional info:

trailer

Modal

create new post

Movie pic:

Post title:

Comments:

Rating: ***

Submit

Test Results:

```
User Acceptance Testing (UAT) Results Report
Project Name: MovieMate
Team Name: 011-8
Date Conducted: 04/24/2025
Testers: Neha Ramachandra

1. Executive Summary
Total Test Cases      Passed  Failed
16                    16      0
Overall Status:  Passed /  Failed (with Critical Issues) /  Passed
with Minor Issues

Key Findings:

User could be notified of more restrictions on their inputs.

2. Detailed Test Results
Feature 1: Account Registration

Test Case ID      Description      Expected Result      Pass/Fail      Remarks
UAT-REG-01      User enters valid info (First Name, Last Name, Username,
Password, Email, Profile Icon, Bio)      Account created; redirected to
profile page  Passed      -
UAT-REG-02      User tries to register with an existing username      Error
message: "Username already taken"  Passed with Minor Issues      Bug #1
UAT-REG-03      User leaves required fields blank (Username, Password,
Email, First Name, Last Name)      Error message listing missing fields
 Passed      -
UAT-REG-04      User inputs invalid email (e.g., "user@invalid")      Error:
"Valid email required"  Passed      -
UAT-REG-05      User enters a username >50 characters      Error: "Max 50
characters allowed"  Passed with Minor Issues      Bug #1
UAT-REG-06      All correct data entered      Verify database entry (users
table)  Passed

Bugs/Issues:
Bug #1: Error mesage displayed on console but not on page

Feature 2: Managing User Watch List
```

Test Case ID	Description	Expected Result	Pass/Fail	Remarks
UAT-WL-01	User adds a movie to Watch List	Confirmation message; movie appears in list	✓ Passed -	
UAT-WL-02	User removes a movie from Watch List	Confirmation message; movie removed	✓ Passed -	
UAT-WL-03	User tries to add a duplicate movie	Error: "Movie already in Watch List"	✓ Passed -	
UAT-WL-04	User adds multiple movies consecutively	All movies appear in Watch List	✓ Passed -	
UAT-WL-05	Verify database consistency after adding table	Check watch_list	✓ Passed -	

Bugs/Issues:

Feature 3: Creating a Post

Test Case ID	Description	Expected Result	Pass/Fail	Remarks
UAT-POST-01	User enters valid title & body	Post appears on profile	✓ Passed -	✓
UAT-POST-02	User leaves title/body empty	Error: "Required fields missing"	✓ Passed -	
UAT-POST-03	Title >100 characters	Error: "Title too long"	✓ Passed -	✓
UAT-POST-04	User inputs SQL injection	Post rejected, no DB entry	✓ Passed -	✓
UAT-POST-05	Session expires before submission	Prompt: "Please sign in again"	✓ Passed	

Bugs/Issues:

3. Defect Log

Bug ID	Description	Severity (High/Medium/Low)	Steps to Reproduce	Status (Open/Fixed)
#1	Low	Input incorrect information or long strings		Open

4. Environment Details

OS: [Windows]

Browser: [Chrome]

Device: [Desktop/Mobile]

Database: [PostgreSQL]

5. Tester Feedback

Positive Feedback:

"Registration flow and post creation is intuitive"

Improvement Suggestions:

"Login time occasionally takes longer"

6. Sign-Off

Approval Status:

✅ Approved (All critical tests passed).

Approved By:

Neha Ramachandra - 4/24/2025

Deployment:

<https://csci3308-moviemate.onrender.com/login>

- Application was deployed using Render and followed the procedures provided in Lab 13.