MovieMate

Members and GitHub Usernames:

- Neha Ramachandra: nehabykadi
- Conner Groth: connergroth
- Joe Zakrzewski: joe-z-school
- Lizzie Ruff: liru4345
- Maeve Pettey: maevePettey
- Ella Pasternak: elpaster

What is MovieMate? (Project Description)

MovieMate is a social media platform designed exclusively for movie enthusiasts who are passionate about tracking, rating, and discussing films. Unlike broader review sites like Rotten Tomatoes, MovieMate emphasizes community engagement, allowing users to connect with fellow movie-lovers through posts, recommendations, discussions, and exploration. The platform focuses solely on movies—TV shows are intentionally excluded for a streamlined, film-focused experience.

Upon signing up, users create personalized profiles featuring bios, profile pictures, friends lists, and post histories. They can manage a watchlist of movies they want to see, share their thoughts through posts, and interact with a vibrant film-loving community. The explore tab highlights top-rated movies curated via a movie API, with options to search for specific titles or filter by genre, helping users easily discover new films. The following page displays posts only from users they follow, ensuring a more personal feed.

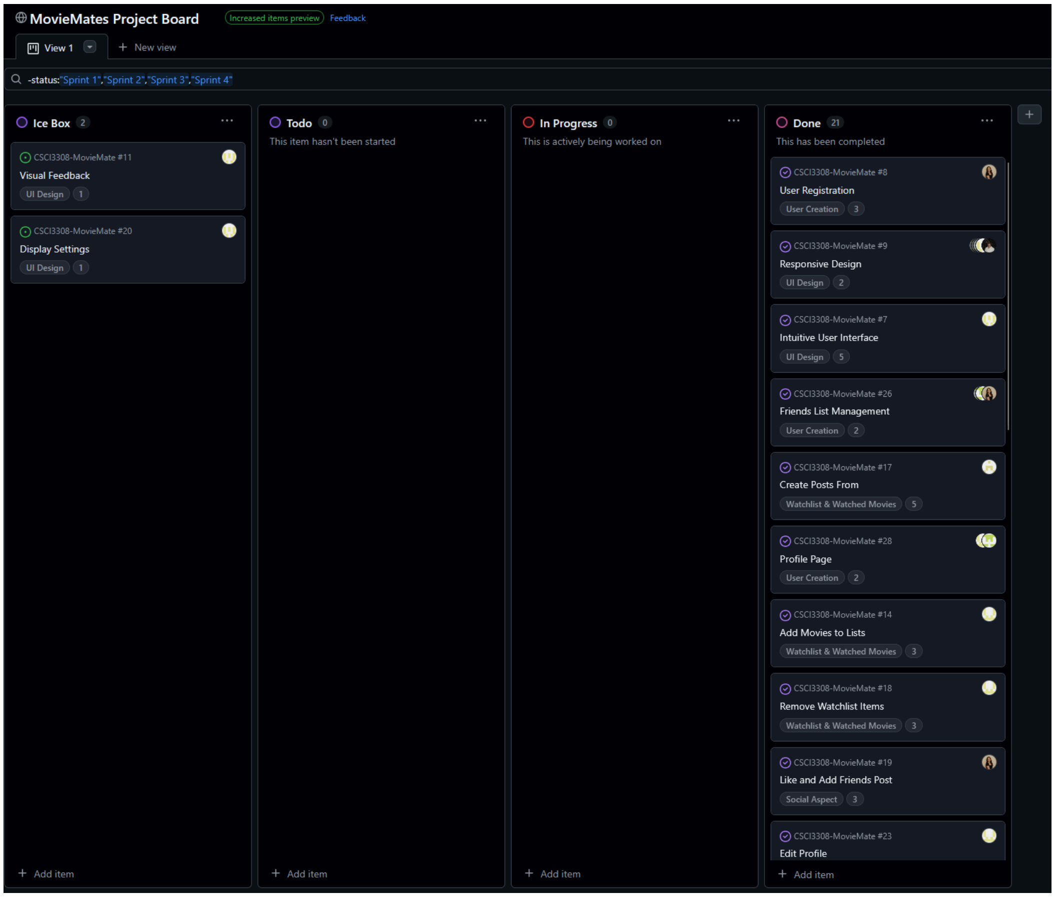
Additional features include direct messaging for private movie discussions, a notifications system for updates on friend requests and activity, and a find friends page for building connections.MovieMate provides an engaging, intuitive space for moviegoers to connect, discover, and share their passion for cinema within a dedicated digital community.

VCS:

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

Project Tracker - GitHub project board:

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



MovieMates Project Board

-status:"Sprint 1","Sprint 2","Sprint 3","Sprint 4"

Ice Box 2

CSCI3308-MovieMate #11
Visual Feedback
UI Design 1

CSCI3308-MovieMate #20
Display Settings
UI Design 1

Todo 0

This item hasn't been started

In Progress 0

This is actively being worked on

Done 21

This has been completed

CSCI3308-MovieMate #8
User Registration
User Creation 3

CSCI3308-MovieMate #9
Responsive Design
UI Design 2

CSCI3308-MovieMate #7
Intuitive User Interface
UI Design 5

CSCI3308-MovieMate #26
Friends List Management
User Creation 2

CSCI3308-MovieMate #17
Create Posts From
Watchlist & Watched Movies 5

CSCI3308-MovieMate #28
Profile Page
User Creation 2

CSCI3308-MovieMate #14
Add Movies to Lists
Watchlist & Watched Movies 3

CSCI3308-MovieMate #18
Remove Watchlist Items
Watchlist & Watched Movies 3

CSCI3308-MovieMate #19
Like and Add Friends Post
Social Aspect 3

CSCI3308-MovieMate #23
Edit Profile

Video:

Recording-20250422_204502.webm

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.

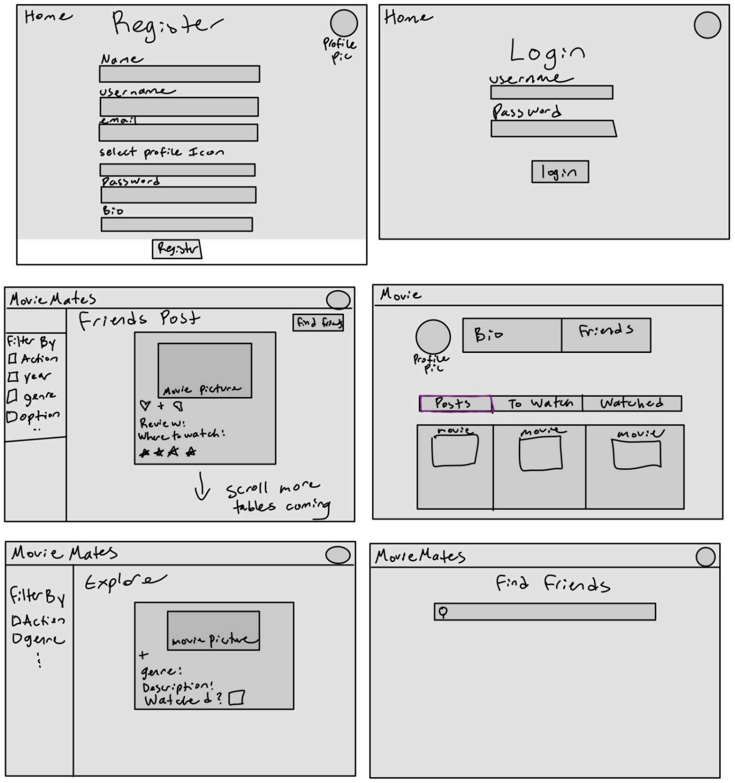
Lizzie: I contributed primarily to the back-end of *Movie Mates* using SQL, and Nodes Js, implementing the entire notifications system, including general, follow request, and message notifications. I built the full follow flow—from sending requests and approving/declining them to unfollowing. With the 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.

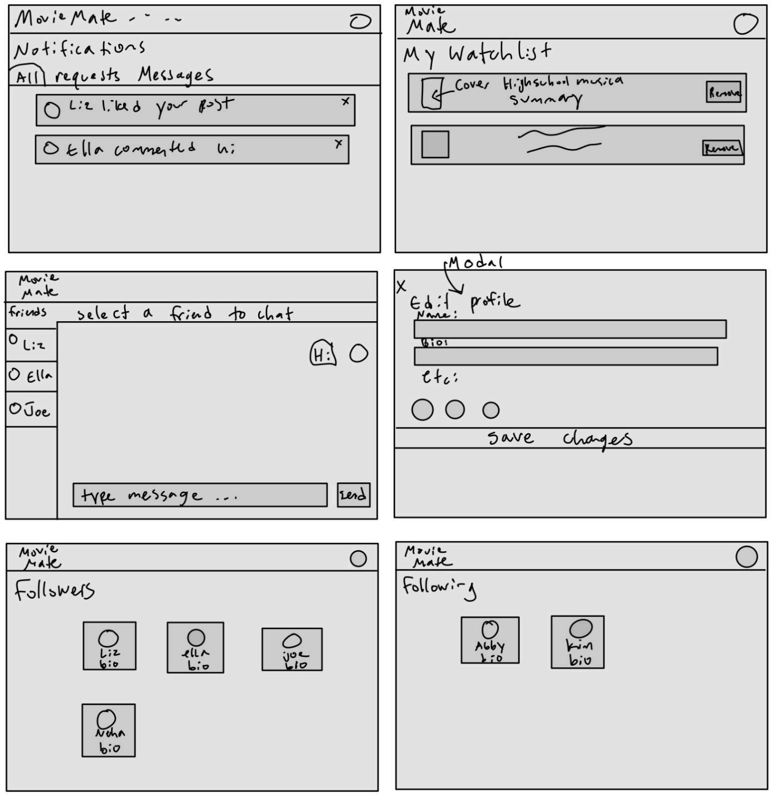
Joe: My contributions to *Movie Mate* consisted of writing server side Nodejs, client side Javascript, visual and functional design of messaging page, user posting modal, and pagination optimization logic. The Nodejs that I implemented was the collection and storage into our database of movie posters 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.

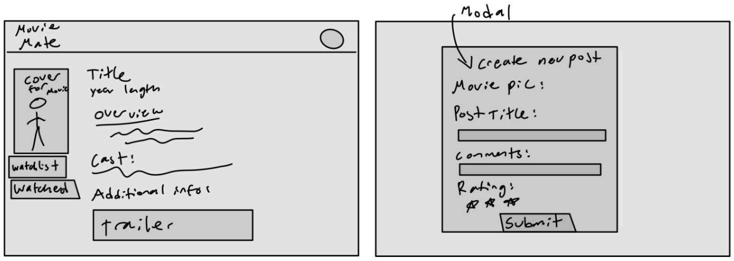
Maeve: During my work on *Movie Mate*, I focused primarily on front-end development. I built the initial registration form and developed the HTML layouts for the watchlist, followers/following, and post details pages, integrating Neha's backend. I addressed numerous HTML and styling issues across the 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.

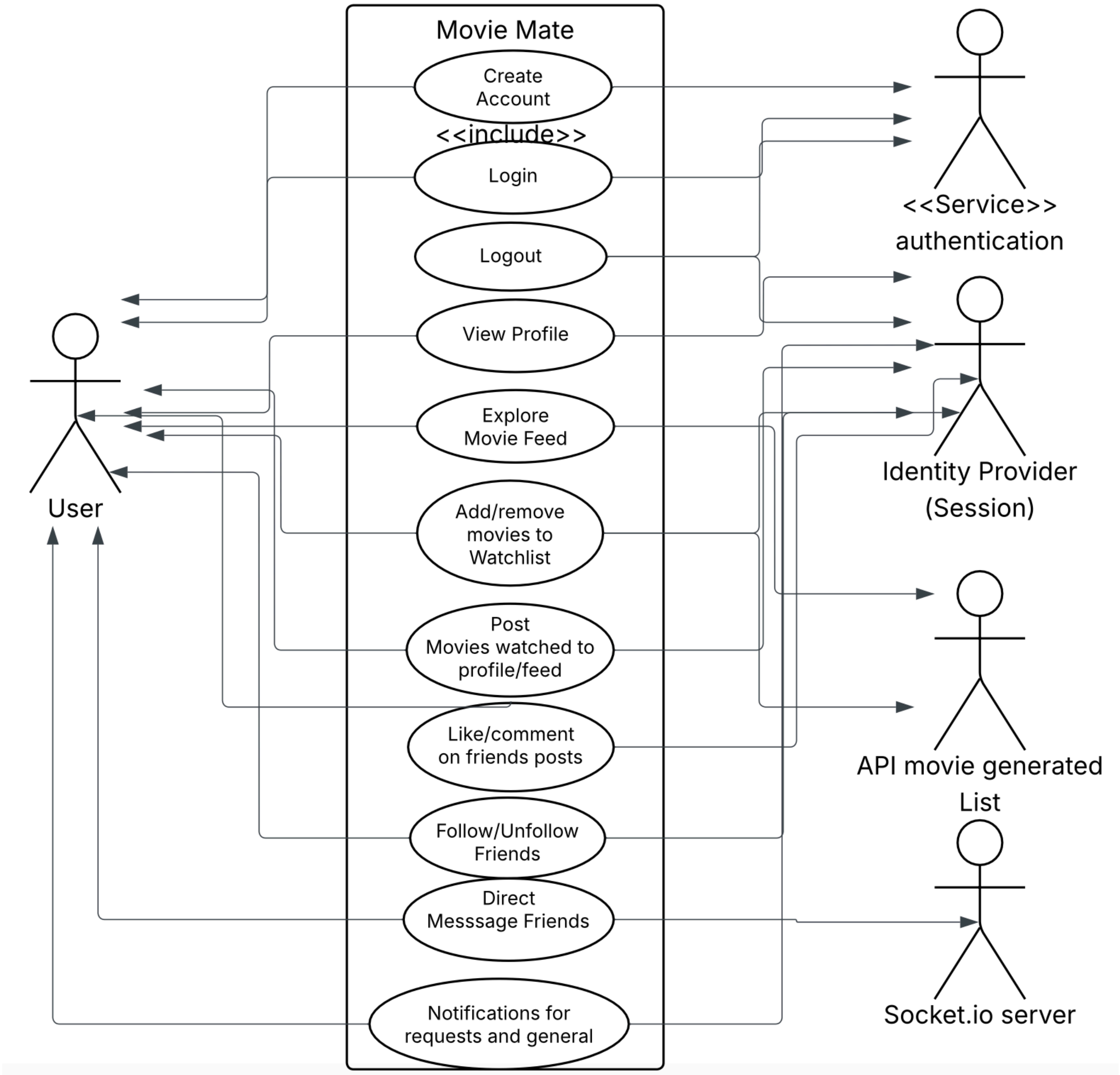
Wireframes:







Use Case Diagram:



Movie Mate
Create Account
<<include>>
Login
Logout
View Profile
Explore Movie Feed
Add/remove movies to Watchlist
Post Movies watched to profile/feed
Like/comment on friends posts
Follow/Unfollow Friends
Direct Messsage Friends
Notifications for requests and general
User
<<Service>> authentication
Identity Provider (Session)
API movie generated List
Socket.io server

Test Results:

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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
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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    Check watch_list
table      ✅ 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]
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Database: [PostgreSQL]

5. Tester Feedback
Positive Feedback:

"Registration flow and post creation are 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
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Deployment:

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

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