



CEN4010 Principles of Software Engineering

Spring 2021

Team 5

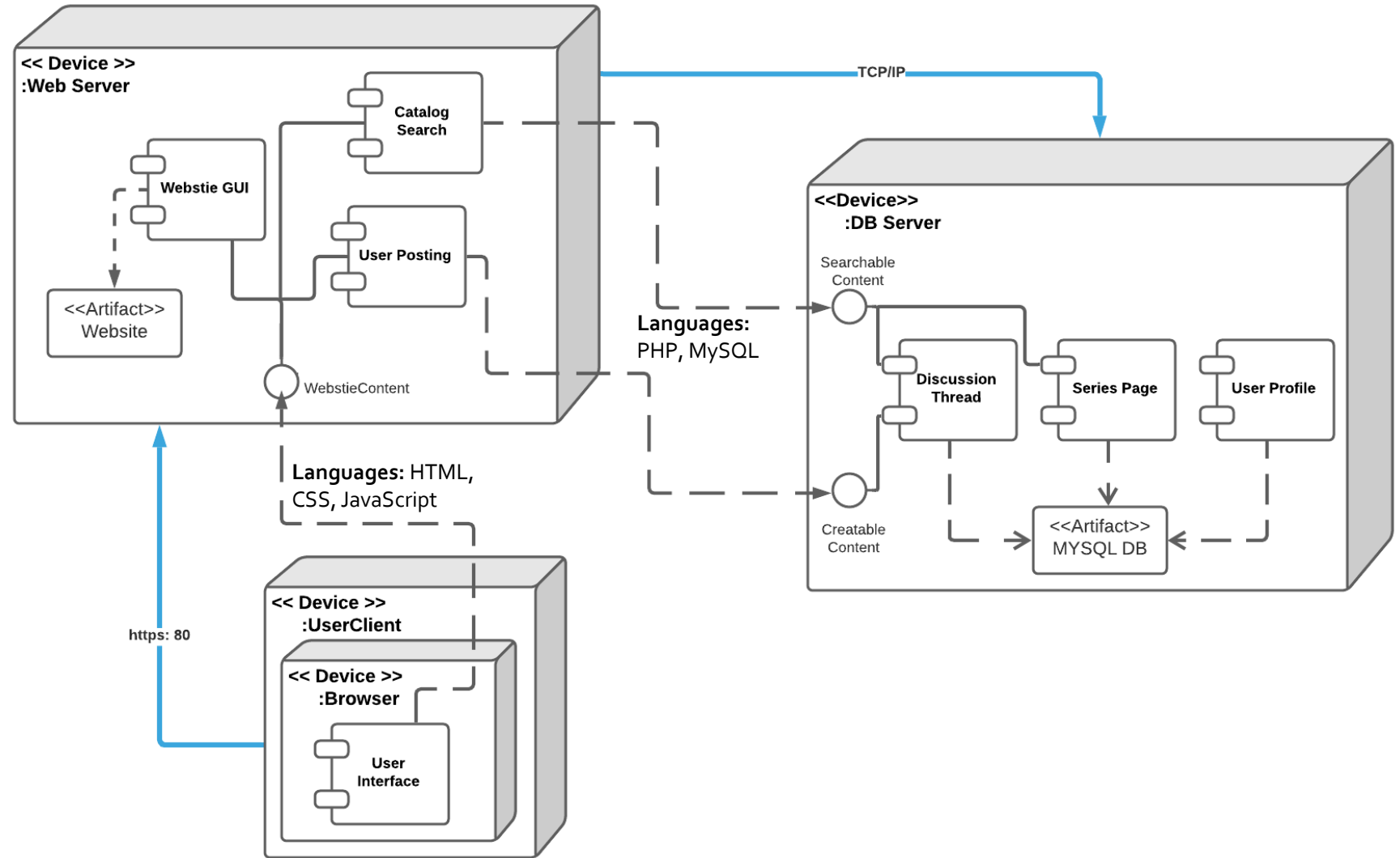
The Team at Chatflix

- Verneshia Persaud
Scrum Master, Technical Writer, Frontend Developer
- Jason Abdool
Backend Developer
- Viviana Joubert
Frontend Developer
- Maksym Mostovyy
Product Owner, Lead backend Developer
- Monica Silvestri
GitHub Master, Lead Frontend Developer, Full-Stack Developer

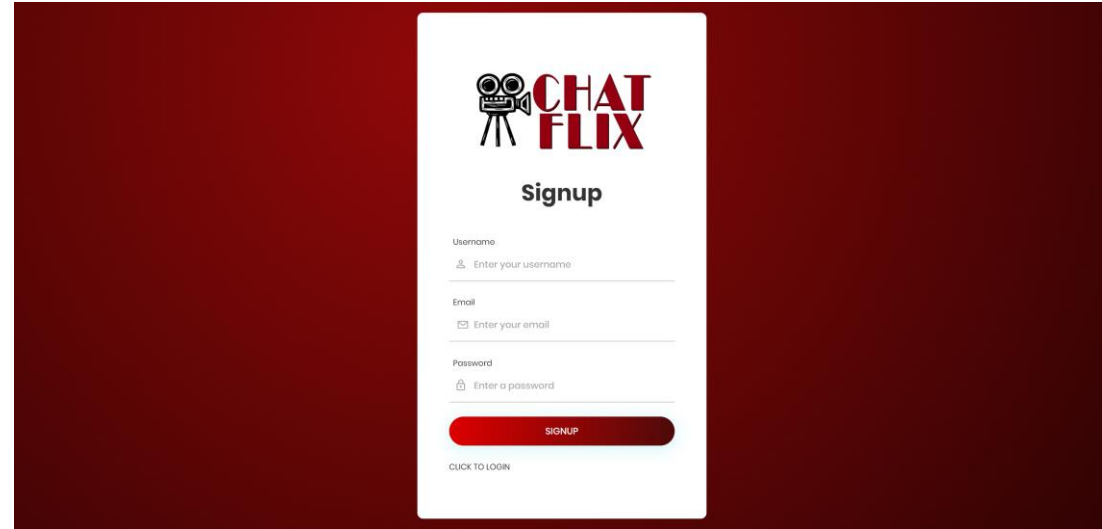
Motivation and Target Audience

- Chatflix is a social network which aims to replace media giants like IMBD and Rotten Tomatoes with its simplistic design. It is a virtual community of pop culture fanatics and “binge watchers” can *chat* with fellow enthusiasts about the TV series or major motion picture they have recently watched.

System Implementation Architecture

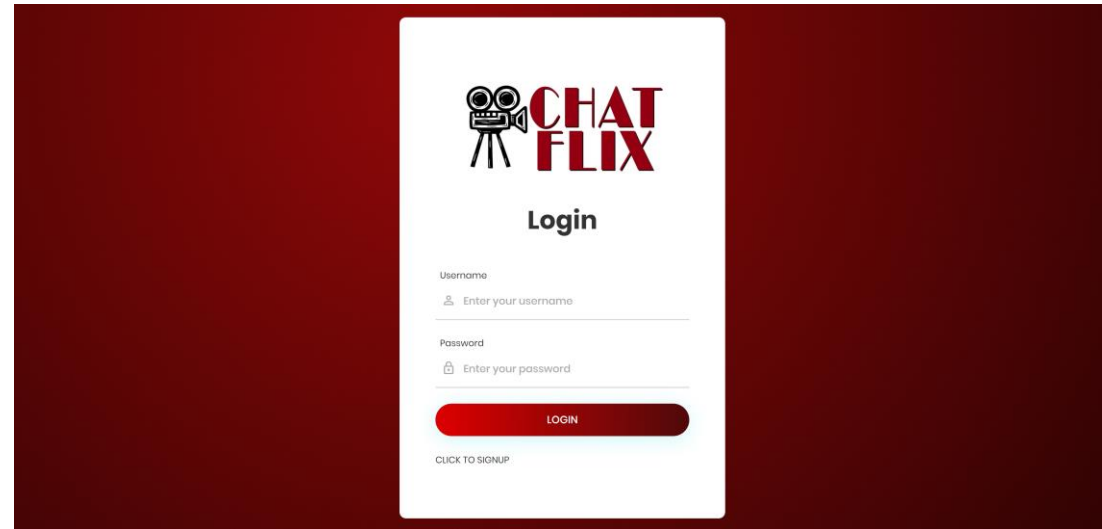


Sign Up and Log in



The image shows a 'Signup' form for 'CHAT FLIX' on a dark red background. The form is white and contains the following elements:

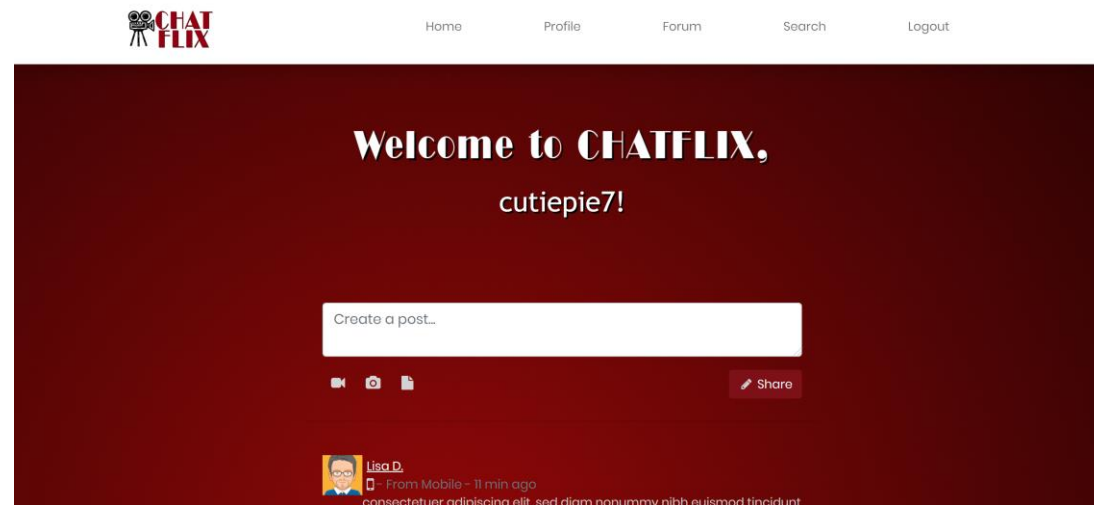
- Logo:** A stylized camera icon with the text 'CHAT FLIX' in a bold, red, sans-serif font.
- Title:** The word 'Signup' in a bold, black, sans-serif font.
- Username Field:** A text input field with a small person icon and the placeholder text 'Enter your username'.
- Email Field:** A text input field with an envelope icon and the placeholder text 'Enter your email'.
- Password Field:** A text input field with a lock icon and the placeholder text 'Enter a password'.
- Signup Button:** A red, rounded rectangular button with the text 'SIGNUP' in white, uppercase letters.
- Login Link:** A small, black, uppercase link that says 'CLICK TO LOGIN'.



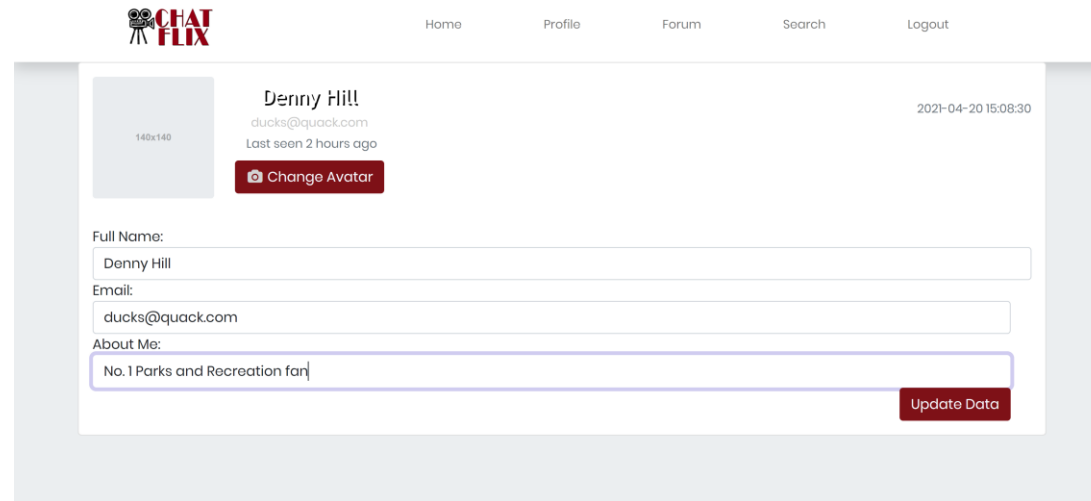
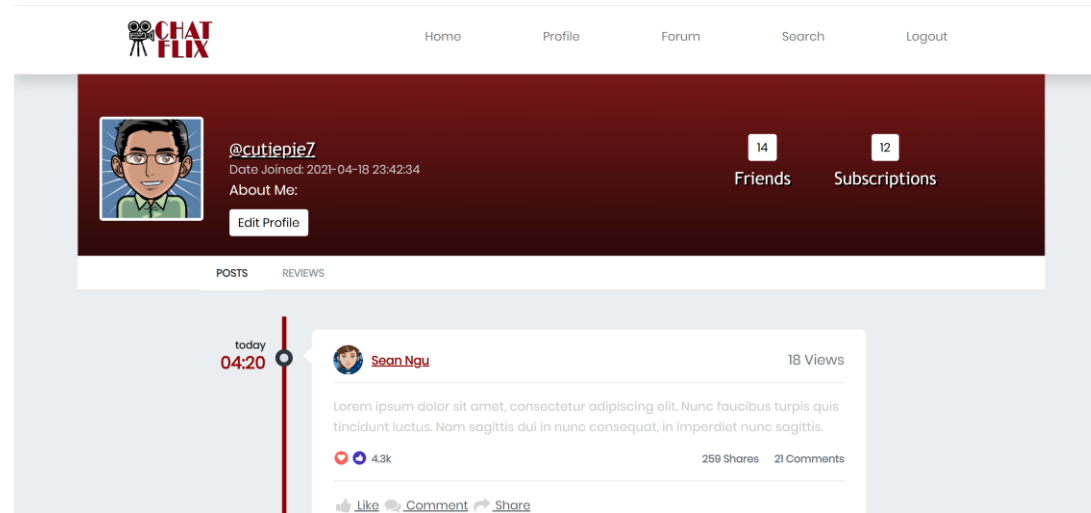
The image shows a 'Login' form for 'CHAT FLIX' on a dark red background. The form is white and contains the following elements:

- Logo:** A stylized camera icon with the text 'CHAT FLIX' in a bold, red, sans-serif font.
- Title:** The word 'Login' in a bold, black, sans-serif font.
- Username Field:** A text input field with a small person icon and the placeholder text 'Enter your username'.
- Password Field:** A text input field with a lock icon and the placeholder text 'Enter your password'.
- Login Button:** A red, rounded rectangular button with the text 'LOGIN' in white, uppercase letters.
- Signup Link:** A small, black, uppercase link that says 'CLICK TO SIGNUP'.


Home Page




View and Edit your Profile



Search and Search Results

[Home](#)[Profile](#)[Forum](#)[Search](#)[Logout](#)

What are you currently binge-watching?

[Home](#)[Profile](#)[Forum](#)[Search](#)[Logout](#)

Catalog Results


[Parks and Recreation](#)


A story that revolves around Leslie Knope, the deputy director of the parks and recreation department in the fictional Indiana town of Pawnee.

Forum Results

[Favorite MouseRat Song?](#)

Series or Movie Information


[Home](#)[Profile](#)[Forum](#)[Search](#)[Logout](#)



Parks and Recreation

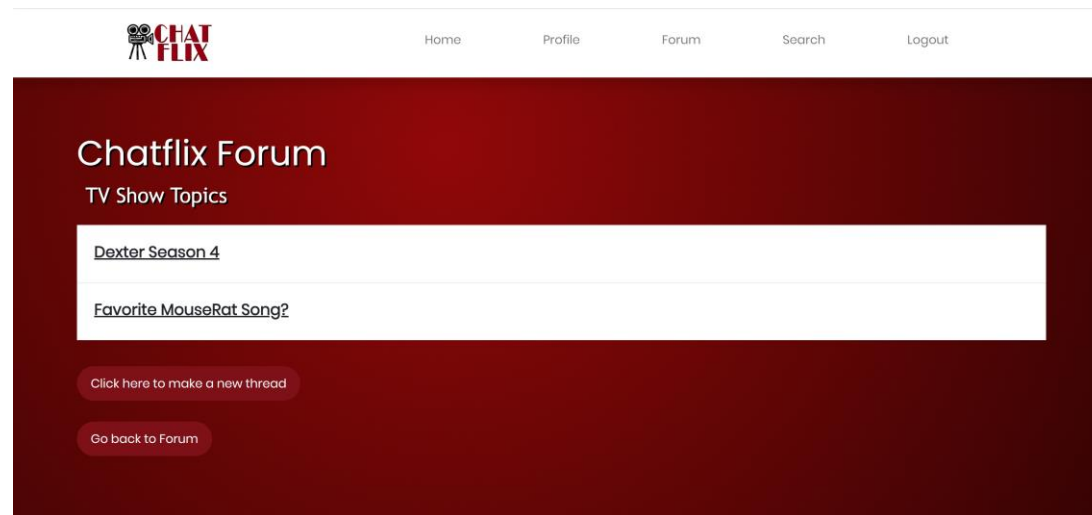
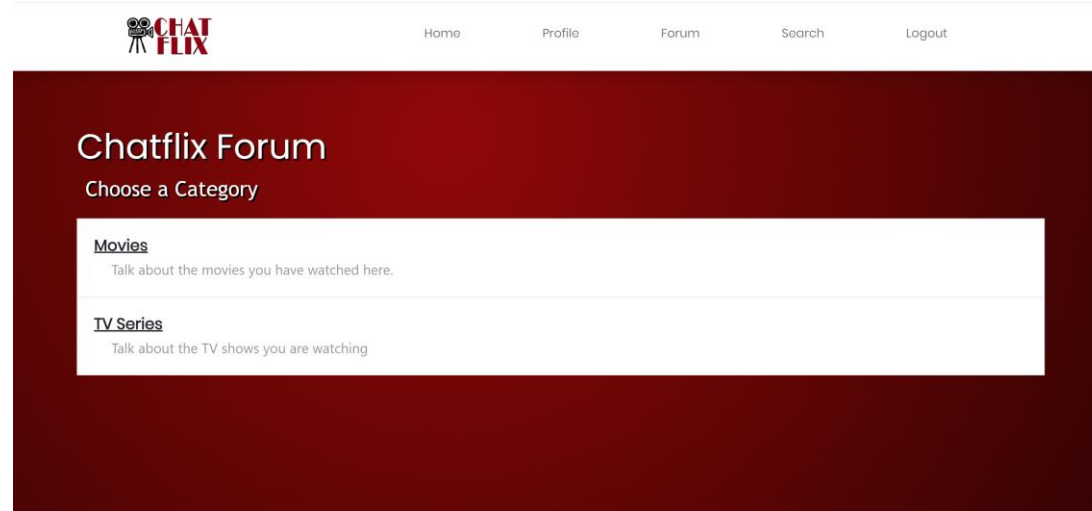
For years Leslie Knope has labored as a small-town, mid-level bureaucrat in the Parks and Recreation department of Pawnee, Ind. It's a lowly station for one who once held hopes of becoming the country's first female president. But does that dampen her enthusiasm? Hardly.

[Discussions](#)

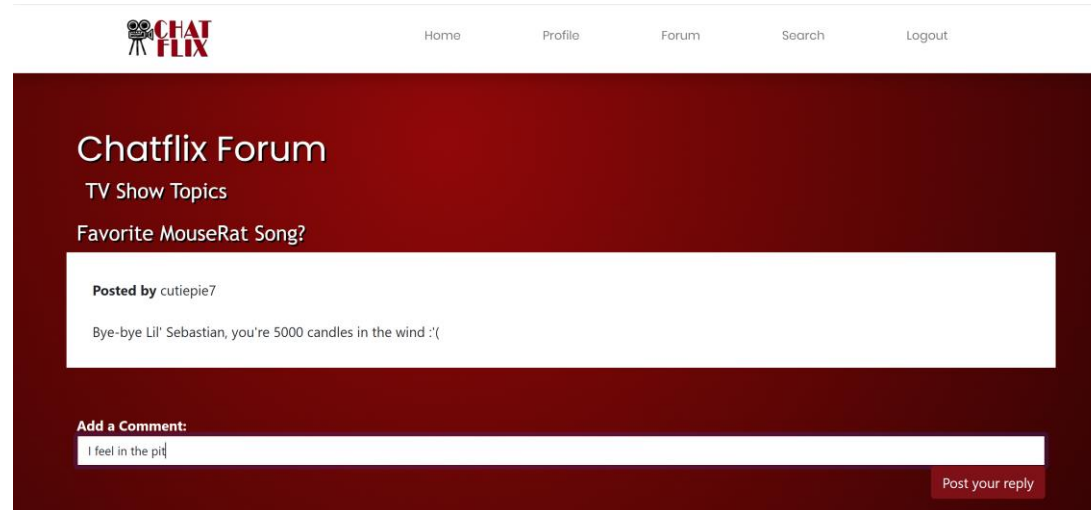
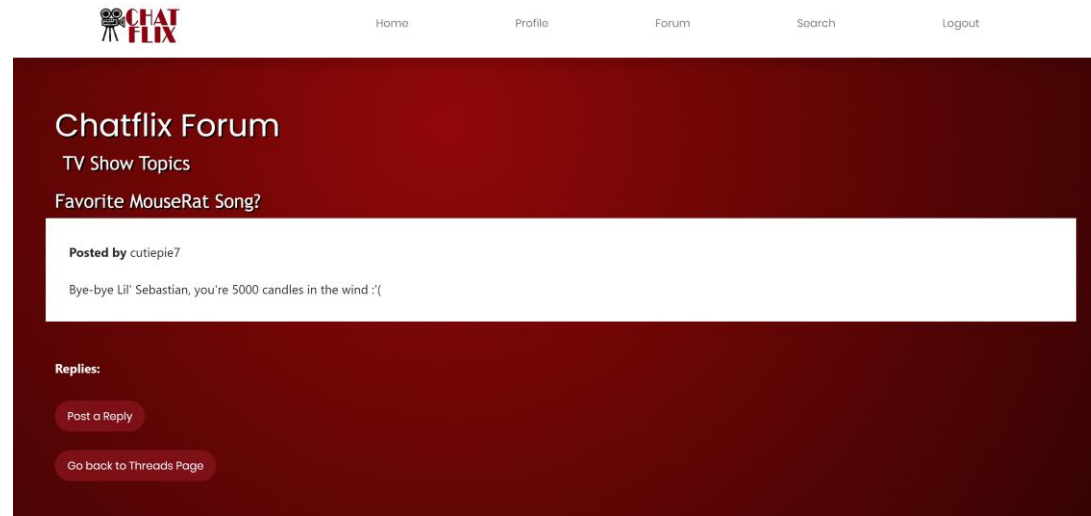


[Watch later](#) [Share](#)


Chatflix Forum and Threads



View and Post a Reply to a Thread



Create a New Thread

[Home](#)[Profile](#)[Forum](#)[Search](#)[Logout](#)


Chatflix Forum

TV Show Topics


Thread Topic:

Thread Keywords:

Thread Description:



Create your thread

[Home](#)[Profile](#)[Forum](#)[Search](#)[Logout](#)

Chatflix Forum

TV Show Topics

Leslie is my idol!

Posted by cutiepie7

She is the BEST!

Replies:

Post a Reply

Go back to Threads Page

Non-Functional Requirements

Performance	
NFR01	The system's home page supporting 3000 users per hour must provide a response time of 3 seconds or less.
NFR02	Interactions with the navigation bar should take one second or less.
NFR03	Searching the catalog must take one second or less.
Capacity and Scalability	
NFR04	The system must store data effectively, and storage must increase as the system gets used more often.
NFR05	The system must be able to process 1000 queries per minute.
Availability	
NFR06	The system must be available 91% during the month.
Maintainability	
NFR07	Latest standards and designs must be used for the system's base architecture. Common coding styles must be used.
NFR08	The system must implement modular programming.
Recovery	
NFR09	The system must backup data every hour. Backup must take one minute or less.
Security and Privacy	
NFR10	The system must use encryption to store data securely.
NFR11	Users must be logged in to see posts and profiles.
Mobility	
NFR12	The system must support the following browsers: Chrome Safari Firefox

Completed Features

- Registration and Log In with Password Encryption
- Customizable User Profile
- Search Catalog
- Discussion Forum

Future Features

- Add Friends/Friends list
- View another User's Profile Page
- Home Page Activity Feed
- Customizable Profile Theme (i.e., avatar, color scheme)
- Rate a Series or Movie
- Subscribe to a Forum or Thread
- Like or Dislike a Post

These features could not be implemented due to time allotted for project and number of available resources.

Lessons Learned and Knowledge Gained

Incident/Risk	Lesson Learned
Too many features to implement in a limited time frame.	Prioritize the features and implement a few of the most important features.
Poor quality of vertical prototype.	Increase estimation time for development.
Missed deadline for Beta launch.	Allot more time for testing and deployment.
Key staff is unavailable at critical times.	Develop contingency plans in case staff is unavailable. Create tasks which have less dependency on other team member's tasks.

Thank you

- Thank you to Dr. Shihong Huang and TA Nataliia Neshenko for their support and guidance through the development of this project.