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CST 336 Internet Programming  
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12 December 2024

# Final Project

## Title & Description:

### Rotten Potatoes: A Movie Review Application

A website dedicated towards browsing an extensive library of movies. The user is capable of searching through the library in order to find a film of their choice, where they can submit a review or simply add the movie to their designated watchlist. The application also provides a social dynamic, with the ability to browse through other user's watchlists with comparisons and the ability to message another user. This Node.js project consists of the use of npm for package management. Express is used as it's web framework, with EJS, coupled with bootstrap for most of the front-end. The project also implements the mysql2 package in order to interact with it's associated mySQL database, and also utilizes bcrypt and express-sessions package to enable authorization and encryption.

## Credentials:

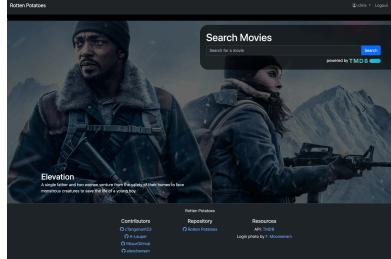
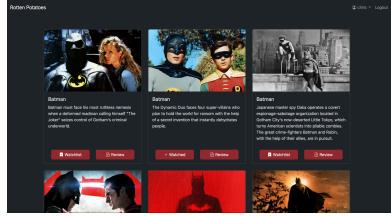
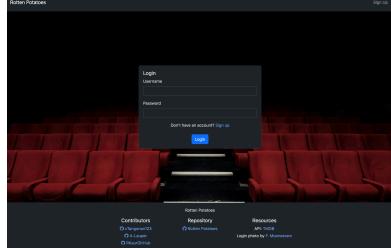
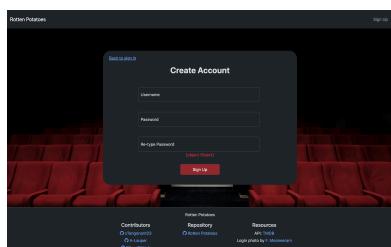
### **For user:**

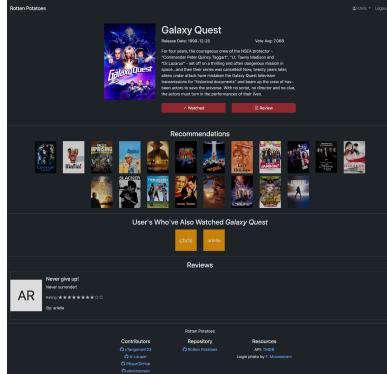
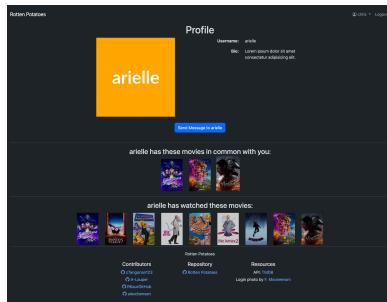
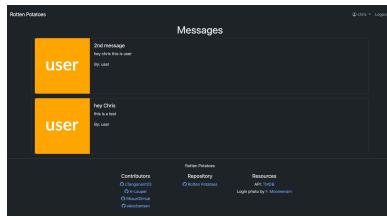
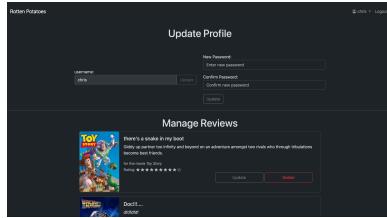
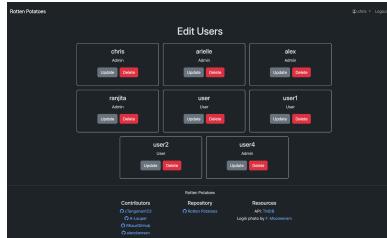
Username: user  
Password: secret

### **For admin:**

Username: user  
Password: secret

# Task Distribution:

view	role	Completed by	image
searchPage.ejs	front-end	Ranjita Kaur Christopher...	
	back-end	Christopher...	
searchResults.ejs	front-end	Arielle Lauper	
	back-end	Christopher... Arielle Lauper	
login.ejs	front-end	Christopher...	
	back-end	Christopher... Alex Gonzal...	
createNewUser.ejs	front-end	Arielle Lauper	
	back-end	Arielle Lauper	

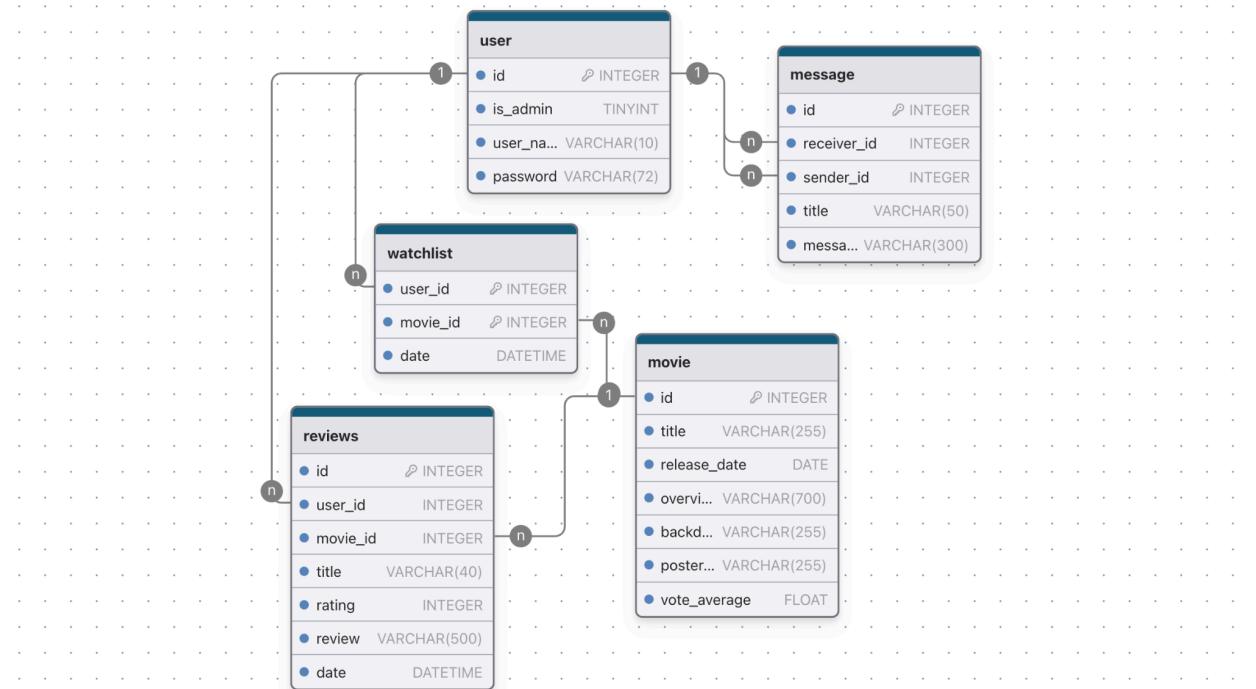
movieDescription.ejs	front-end	Arielle Lauper Christopher...	
	back-end	Christopher...	
userSocialProfile.ejs	front-end	Christopher...	
	back-end	Christopher...	
messages.ejs	front-end	Christopher...	
	back-end	Christopher...	
userProfile.ejs	front-end	Christopher... Arielle Lauper	
	back-end	Christopher...	
editUsers.ejs	front-end	Alex Gonzal... Arielle Lauper	
	back-end	Alex Gonzal...	

# Changes From Original Design

Our initial design didn't change much, if anything we included a few extra features and tables as we were building out. Our Initial plan included some diagrams generated using mermaid.js which can be seen in our docs folder of the project. We also included diagrams after project completion generated by copilot in order to view as a comparison. We did have to substitute the addNewMovie view due to complications with our database setup. As our id field of the table was reliant on the API's id for the movie. If we were to assign an id, a lot of our pages would render improperly showing not the movie in our database added, but instead the movie associated to the TMDB api database. Our Substitution included the addition of a watchlist table and a message table that both issue post requests as local API calls. Our hope was that this could potentially suffice for the required extra post request suggested.

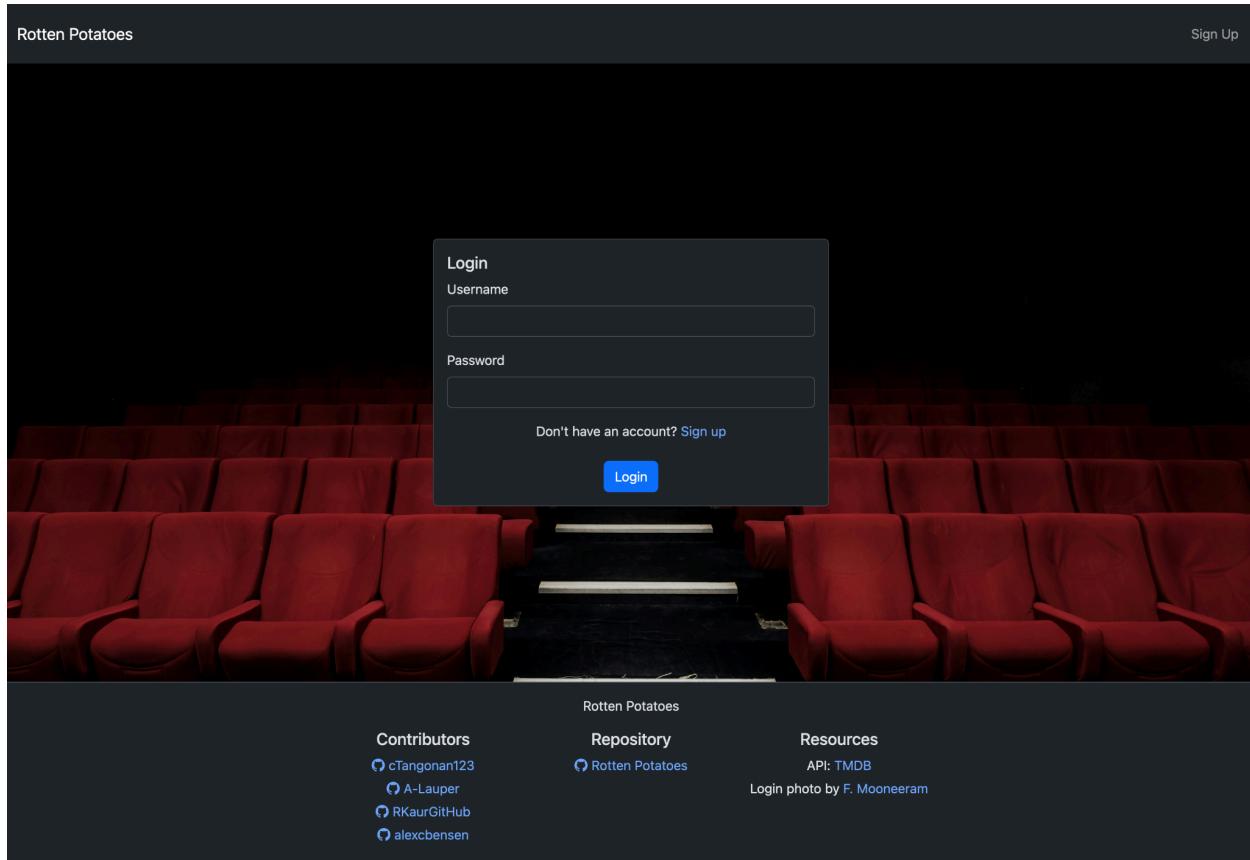
## SQL Schema

Database sql is located in the main directory



# Screens

## Login View



The image shows the login screen for the Rotten Potatoes website. The background features a photograph of a movie theater with rows of red seats. A central modal window titled "Login" contains fields for "Username" and "Password". Below the fields is a link "Don't have an account? [Sign up](#)". At the bottom of the modal is a blue "Login" button. In the top right corner of the main page, there is a "Sign Up" link. The footer of the page includes sections for "Contributors" (listing cTangonan123, A-Lauper, RKaurGitHub, and alexcbensen), "Repository" (linking to Rotten Potatoes on GitHub), and "Resources" (mentioning API: TMDB and a note about the login photo). The overall design has a dark theme with light-colored text and UI elements.

# CreateNewAccount View

The screenshot shows the 'Create Account' form within a dark-themed application. The background features a photograph of a movie theater with red seats. At the top left is the 'Rotten Potatoes' logo, and at the top right is a 'Sign Up' button. The central form has a 'Create Account' title and three input fields: 'Username', 'Password', and 'Re-type Password'. Below the 'Re-type Password' field, the value '[object Object]' is displayed in red. A red 'Sign Up' button is at the bottom. Navigation links 'Back to sign in' and 'Forgot password?' are at the top of the form. The footer contains sections for 'Contributors' (with GitHub links for cTangonan123, A-Lauper, RKaurGitHub, and alexcbensen), 'Repository' (link to Rotten Potatoes), 'Resources' (links to API: TMDB and Login photo by F. Mooneeram), and the 'Rotten Potatoes' logo.

Rotten Potatoes

Sign Up

Back to sign in

## Create Account

Username

Password

Re-type Password

[object Object]

Sign Up

Back to sign in

Forgot password?

Rotten Potatoes

**Contributors**

- cTangonan123
- A-Lauper
- RKaurGitHub
- alexcbensen

**Repository**

Rotten Potatoes

**Resources**

API: TMDB

Login photo by F. Mooneeram

# Search View

The screenshot shows the Rotten Potatoes search interface. At the top, there's a dark header bar with the text "Rotten Potatoes" on the left and a user profile with "chris" and a "Logout" button on the right. Below the header is a large movie poster for "Elevation". The poster features a man and a woman in winter gear, both holding rifles, standing against a backdrop of snow-covered mountains. In the upper right corner of the poster area, there's a search bar with the placeholder "Search for a movie" and a blue "Search" button. Below the search bar, it says "powered by TMDb". On the left side of the poster, the movie title "Elevation" is displayed in bold letters, followed by a brief synopsis: "A single father and two women venture from the safety of their homes to face monstrous creatures to save the life of a young boy." At the bottom of the page, there's a footer section with three columns: "Contributors" (listing GitHub users), "Repository" (linking to the Rotten Potatoes GitHub repository), and "Resources" (links to the API and login photo information).

Rotten Potatoes

Search Movies

Search for a movie

Search

Powered by TMDb

Elevation

A single father and two women venture from the safety of their homes to face monstrous creatures to save the life of a young boy.

Rotten Potatoes

Contributors

- cTangonan123
- A-Lauper
- RKaurGitHub
- alexcbensen

Repository

Rotten Potatoes

Resources

API: TMDB

Login photo by F. Mooneeram

# SearchResults View

Rotten Potatoes

[Watchlist](#) [Review](#) [Watchlist](#) [Review](#)

**Batman**  
Batman must face his most ruthless nemesis when a deranged maniac calling himself "The Penguin" begins to terrorize Gotham City's citizens.  
 [Watchlist](#) [Review](#)

**Batman**  
The Dynamic Duo faces four super-villains who plan to hold the world for ransom, and the help of Robin, the newest member of the Bat-family, to save the people.  
 [Watchlist](#) [Review](#)

**Batman**  
Japanese master spy Daito operates a covert organization that has been threatening Gotham City's now-classified Little Tokyo, which is the American headquarters of the global criminal organization known as the League of Assassins. With the help of their allies, are in pursuit.  
 [Watchlist](#) [Review](#)

**Batman v Superman: Dawn of Justice**  
Fearing his return, a group of the Bat's best allies turn on him, and he must rely on his own strength and wit to protect the city from the most powerful threat it has ever faced. With Lex Luthor and General Zod on the loose, and with Batman and Superman at war with one another, it's time to choose sides.  
 [Watchlist](#) [Review](#)

**The Batman**  
In his second year of fighting crime, Batman uncovers corruption in Gotham City that involves the police force, the mob, and the most notorious, modern-day power broker the world over: the Penguin. With the help of his new ally, Selina Kyle, known as the Riddler.  
 [Watchlist](#) [Review](#)

**Batman Begins**  
Even as a sap, vigilante Bruce Wayne dedicates his life to becoming and defending Gotham City. Under the watchful eye of his mentor, Alfred Pennyworth, he begins to learn the ways of the criminal underworld...the Bat-man.  
 [Watchlist](#) [Review](#)

**Batman & Robin**  
Batman and Robin team up to stop the villainous Mr. Freeze and Poison Ivy from attacking Gotham City.  
 [Watchlist](#) [Review](#)

**Batman Returns**  
Batman must face The Penguin, a vicious, cold-blooded criminal who has turned his personal life into Gotham society's main attraction, and the Catwoman, who has turned her criminal career into a career of love for Batman.  
 [Watchlist](#) [Review](#)

**The LEGO Batman Movie**  
A cold-shut-over Bruce Wayne must real up to his responsibilities as the leader of Gotham City, while discovering that he has accidentally become the new hero who needs to become his dad.  
 [Watchlist](#) [Review](#)

**Batman: The Dark Knight Returns, Part 1**  
Batman has not been seen for 10 years. A new crew of criminal fugitives Gotham City, forcing the Caped Crusader to return to the city he once called home. This time, there will be no room for mistakes.  
 [Watchlist](#) [Review](#)

**Batman: Mystery of the Batwoman**  
As if the Penguin wasn't enough to contend with, a new vigilante has just burst in Gotham City, and it's up to Batman to figure out what it takes to cause the damage.  
 [Watchlist](#) [Review](#)

**Batman: The Dark Knight Returns, Part 2**  
Batman has cleaned the way of some of his enemies, but he still has one more to take down. The Man-Bat is still up to bat.  
 [Watchlist](#) [Review](#)

**Batman Forever**  
Batman must battle a delinquent scientist, an disguised former employee of the Gotham Police Department, and a young Dennis Rodman.  
 [Watchlist](#) [Review](#)

**Batman and Robin**  
Batman and Robin team up to team with the Justice League to defend the world from the League of Assassins, led by Lex Luthor and Jason Vesuvius, the Penguin, Catwoman, and Mr. Freeze.  
 [Watchlist](#) [Review](#)

**Batman: Year One**  
A wealthy playboy named Alfred and a Detective named Jim Gordon both return to Gotham City where their lives unexpectedly intersect.  
 [Watchlist](#) [Review](#)

**Merry Little Batman**  
This year, Batman wants to have a Merry Christmas like his dad...indeed, and only Batman. When Batman is left home alone while his parents are away, he decides to have a Merry Christmas on Christmas Eve, he stumbles upon a famous (and very dead) burglar and keeps the chance to save the day.  
 [Watchlist](#) [Review](#)

Rotten Potatoes

Contributors [@RottenPotato](#) [@RottenPotato](#) [@RottenPotato](#)

Repository [Rotten Potatoes](#)

Resources [API](#) [TODC](#)

Logo used by [Metacritic](#)

# MovieDescription View

Rotten Potatoes

Logout



## Galaxy Quest

Release Date: 1999-12-25      Vote Avg: 7.068

For four years, the courageous crew of the NSEA protector - "Commander Peter Quincy Taggart", "Lt. Tawny Madison and "Dr.Lazarus" - set off on a thrilling and often dangerous mission in space...and then their series was cancelled! Now, twenty years later, aliens under attack have mistaken the Galaxy Quest television transmissions for "historical documents" and beam up the crew of has-been actors to save the universe. With no script, no director and no clue, the actors must turn in the performances of their lives.

Watched      Review

### Recommendations



### User's Who've Also Watched Galaxy Quest

chris      arielle

### Reviews

Never give up!  
Never surrender!

Rating: ★★★★★★★★☆☆

By: arielle

Rotten Potatoes

Contributors

- cTangonan123
- A-Lauper
- RKaurGitHub
- alexcbensen

Repository

- Rotten Potatoes

Resources

- API: TMDB
- Login photo by F. Mooneeram

# UserProfile View

Rotten Potatoes

Update Profile

New Password:  Create new password

Confirm New Password:  Confirm new password

Manage Reviews

There's a snake in my boot  
for the movie Toy Story  
Rating: ★★★★★ (5.0)

Doc!...  
for the movie Doc to the Future  
Rating: ★★★★★ (5.0)

Sums up....  
my last experience in Vegas  
for the movie The Hangover  
Rating: ★★★★★ (5.0)

Quentin Tarantino  
distilled!  
for the movie Kill Bill Vol. 2  
Rating: ★★★★★ (5.0)

at some point everyone wanted a name of  
it would be cool to have one if someone lived out everyone's dream  
for the movie Kill Bill Vol. 2  
Rating: ★★★★★ (5.0)

A classic  
must watch  
for the movie Pulp Fiction  
Rating: ★★★★★ (5.0)

red pill || blue pill  
that is the question  
for the movie The Matrix  
Rating: ★★★★★ (5.0)

This is the second of...  
made long duration movie of a series  
for the movie The Lord of the Rings: The Two Towers  
Rating: ★★★★★ (5.0)

This is a...  
need long movie.  
for the movie The Lord of the Rings: The Two Towers  
Rating: ★★★★★ (5.0)

change the lyrics from bye bye bye  
to the die die... and we got dressed  
for the movie Deadpool  
Rating: ★★★★★ (5.0)

Best Playlist  
get the Soundtrack  
for the movie Guardians of the Galaxy  
Rating: ★★★★★ (5.0)

Spider man...  
Spider man... does whatever a spider man does  
for the movie Spider-Man: Homecoming  
Rating: ★★★★★ (5.0)

Gotta Catch em ALL...  
It's over man  
for the movie Spider-Man: Across the Spider-Verse  
Rating: ★★★★★ (5.0)

Rotten Potatoes

Contributors

- ChrisPerez022
- TheLeaker
- DanyKane
- MrBonesen

Repository

RottenPotatoes

Resources

API: [TMDb](#)

Login photo by [F. Moenengam](#)

## EditUsers View

The screenshot shows the 'Edit Users' view of a web application. At the top left is the 'Rotten Potatoes' logo. At the top right are user profile icons for 'chris' and 'Logout'. The main title 'Edit Users' is centered above a 3x3 grid of user profiles. Each profile card contains the user's name, their role ('Admin' or 'User'), and two buttons: 'Update' (grey) and 'Delete' (red). The users listed are:

User	Role	Action Buttons
chris	Admin	[Update] [Delete]
arielle	Admin	[Update] [Delete]
alex	Admin	[Update] [Delete]
ranjita	Admin	[Update] [Delete]
user	User	[Update] [Delete]
user1	User	[Update] [Delete]
user2	User	[Update] [Delete]
user4	Admin	[Update] [Delete]

At the bottom of the page, there is a footer section with the 'Rotten Potatoes' logo. It includes links for 'Contributors' (listing cTangonan123, A-Lauper, RKaurGitHub, and alexcbensen), 'Repository' (linking to Rotten Potatoes on GitHub), and 'Resources' (mentioning API: TMDB and a note about the login photo by F. Mooneeram).

# UserSocialProfile View

Rotten Potatoes

Profile

Username: arielle

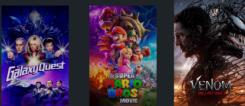
Bio: Lorem ipsum dolor sit amet consectetur adipisicing elit.

arielle

Send Message to arielle

---

arielle has these movies in common with you:



arielle has watched these movies:



Rotten Potatoes

Contributors

- cTangonan123
- A-Lauper
- RKaurGitHub
- alexcbensen

Repository

- Rotten Potatoes

Resources

- API: TMDB

Login photo by F. Mooneeram

## Messages View

Rotten Potatoes

chris Logout

### Messages

**user**

2nd message  
hey chris this is user  
By: user

**user**

hey Chris  
this is a test  
By: user

Rotten Potatoes

**Contributors**  
cTangonan123  
A-Lauper  
RKaurGitHub  
alexchensen

**Repository**  
Rotten Potatoes

**Resources**  
API: TMDB  
Login photo by F. Mooneeram

## reviewModal Partial View

Rotten Potatoes

chris Logout

**Batman**

Batman must face his most ruthless nemesis when a deformed madman calling himself "The Joker" seizes control of Gotham's criminal underworld.

**Write Review**

Title

Rating

Review

**Close** **Save**

**Watchlist** **Review**

**Watchlist** **Review**

**Watchlist** **Review**

**Watchlist** **Review**







## UpdateModal Partial View

The screenshot shows a dark-themed application interface titled "Rotten Potatoes". A modal window titled "Edit User" is open, showing the username "chris" and the "Is Admin" checkbox checked. Below the modal, a list of users is displayed in a grid:

- chris (Admin): Update, Delete
- alex (Admin): Update, Delete
- ranjita (Admin): Update, Delete
- user (User): Update, Delete
- user1 (User): Update, Delete
- user2 (User): Update, Delete
- user4 (Admin): Update, Delete

The footer of the page also says "Rotten Potatoes".

## WatchListSidebar Partial View

The screenshot shows a dark-themed application interface titled "User's Watchlist". On the left, a sidebar lists the user's watchlist items:

- Batman
- Gladiator II
- Venom: The Las...
- The Super Mario...
- Galaxy Quest
- Cast Away
- Catch Me If You ...
- The Wolf of Wall...

On the right, a detailed view of the movie "Batman" is shown. It includes a thumbnail image of the movie, the title "Batman", a brief plot summary, and two "Watched" buttons. The sidebar also includes links for Profile, Watchlist, Messages, Admin, and Edit Users.

## MessageModal Partial View

Rotten Potatoes

Write a message ×

Title

Review

Write your message here

Close Save

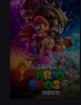
um dolor sit amet  
ur adipisicing elit.

arielle

Send Message to arielle

---

arielle has these movies in common with you:



---

arielle has watched these movies: