

Team 8:
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CST 336 Internet Programming
Professor Miguel Lara
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. We utilized TMDB's API in order to pull search query information, movie description information as well as recommendations associated to the movie selected. The rest of our API calls were local to the database and their associated tables.

Credentials:

For user:

Username: user

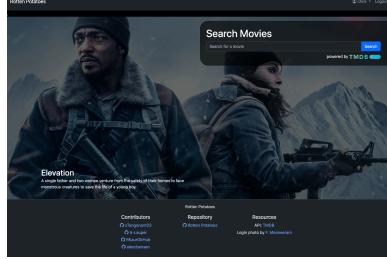
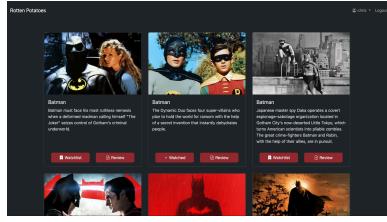
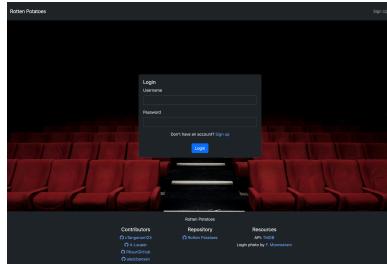
Password: secret

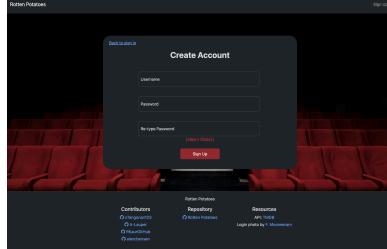
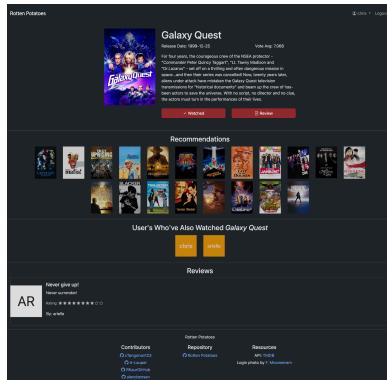
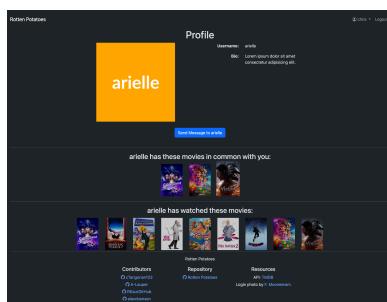
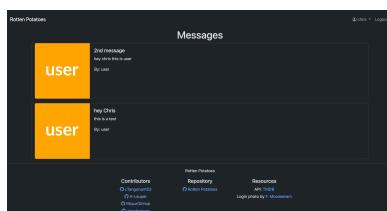
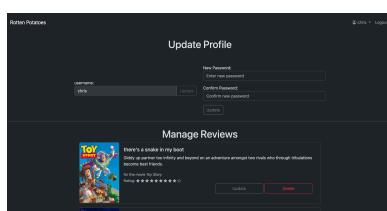
For admin:

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...	

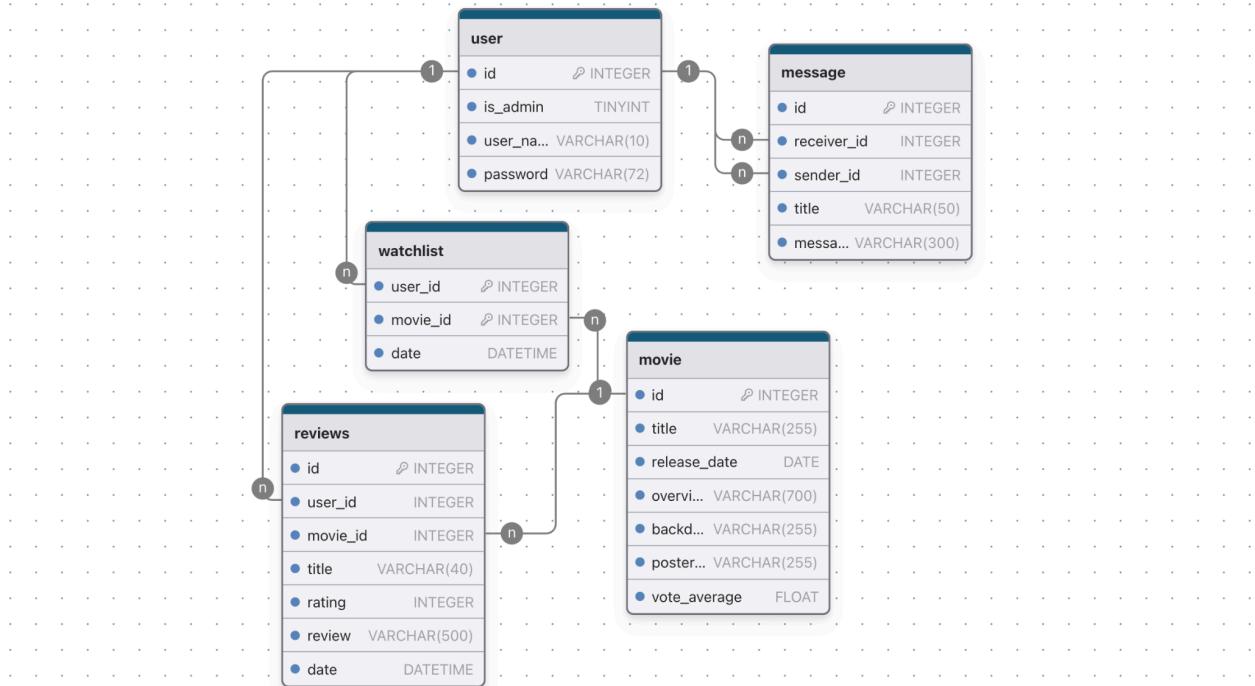
editUsers.ejs	front-end	Alex Gonzal... Arielle Lauper	
	back-end	Alex Gonzal...	

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

The SQL file to build these tables is located in the docs folder of the project
 docs/rotten-potatoes.sql



API Fetch Calls

External API:

The external API [TMDB](#) is used to fetch movie information. The fetch calls occur in several places in the index.mjs file:

Data is fetched from the API for the /search/results route to get data about movies related to the keyword submitted in the search form.

Two fetch calls also appear in the /description route. One is used to populate the description page with the relevant information about the move. The other is used to populate the recommendation section.

If the selected movie is not already in the database, a fetch call occurs in the /addToWatchList route. The fetched data is used to populate the database with the movie information.

Similarly, if the selected movie is not already in the database, a fetch call occurs in the /submitReview route. The fetched data is used to populate the database with the movie information.

Finally, there is a fetch call to TMDB in the middleware function getPopularMovies. It is used to get data related to current popular movies, which is used to populate the carousel on the search page.

Local APIs:

The local API /getReview/:id is used to fetch information about the specified user review from the database:

The fetch call occurs in the updateReviewModal.js file. The fetch is used to retrieve the information associated with the selected review on the Profile page. This data is used to pre-populate the review update modal.

The local API /api/getUsers/:id is used to fetch the information about a user in the database:

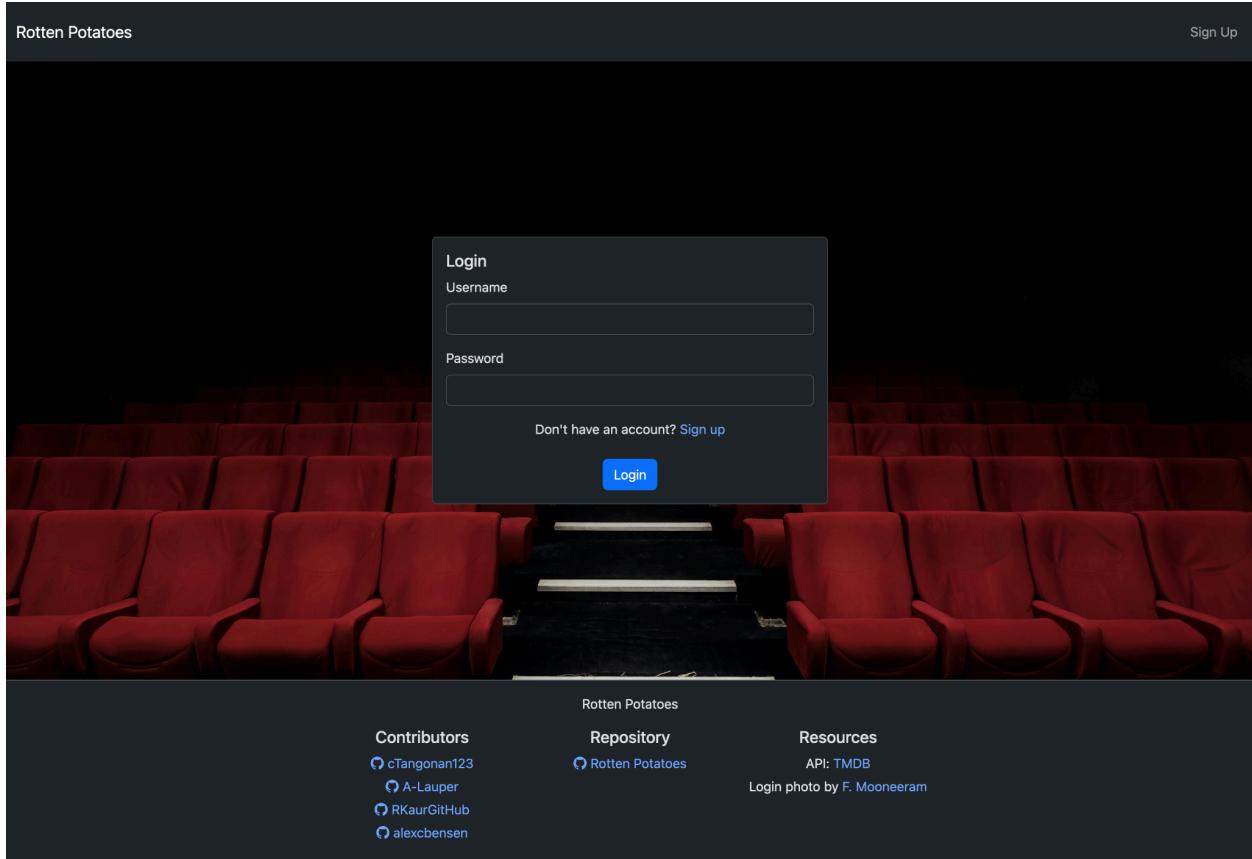
The fetch call occurs in the updateUserModal.js file. The fetch is used to retrieve the information associated with the selected user on the admin Edit Users page. The data is used to pre-populate the edit user modal.

The local API /api/usernameAvailable/:username is used to check if a username is available or if it is already present in the database:

The fetch call occurs in the addUser.js file. When the user enters a username on the Create Account page, the API is called to check if the username is available or not.

Screens

Login View



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. At the very bottom of the page, there's footer information: 'Rotten Potatoes', 'Contributors' (listing cTangonan123, A-Lauper, RKaurGitHub, and alexcbensen), 'Repository' (linking to Rotten Potatoes on GitHub), 'Resources' (mentioning API: TMDB and a login photo by F. Mooneeram), and a copyright notice for 2018.

Rotten Potatoes

Sign Up

Back to sign in

Create Account

Username

Password

Re-type Password

[object Object]

Sign Up

Rotten Potatoes

Contributors

- cTangonan123
- A-Lauper
- RKaurGitHub
- alexcbensen

Repository

Rotten Potatoes

Resources

API: TMDB

Login photo by F. Mooneeram

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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, modern-day villain, who the world has never seen before. 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, who the world has never seen before. And with Batman and Superman at war with one another, it's time to choose sides.
 [Watchlist](#) [Review](#)

Batman Begins
Even as a fugitive, Bruce Wayne dedicates his life to uncovering and defeating the mysterious mastermind behind the killing of his parents. Under the watchful eye of Alfred Pennyworth, he sets out to find justice and protect Gotham City for the criminal underworld...the human.
 [Watchlist](#) [Review](#)

Batman & Robin
Batman and Robin team up to stop the League of Assassins from taking over the planet. They're joined by Robin's love interest, Selina Kyle, and the Penguin.
 [Watchlist](#) [Review](#)

Batman & Superman: Battle of the Planets
After the events of Justice League, Clark Kent is forced to leave Earth and travel to the far-off planet Krypton to find his lost family. There, he teams up with Kal-El's estranged father Jor-El and the League of Assassins to stop Lex Luthor's plan to destroy the planet.
 [Watchlist](#) [Review](#)

Batman Ninja
Batman dons the mask of his alter ego, Robin, to travel to feudal Japan to confront his old enemy, the League of Assassins.
 [Watchlist](#) [Review](#)

Batman Returns
Batman must face The Penguin, a vicious crime lord who has turned his personal life into Gotham society. Meanwhile, another Gothamite is trying to expose the secret of the man who became Batman and is out for revenge.
 [Watchlist](#) [Review](#)

The LEGO Batman Movie
A cold-blooded villain known only as "The Riddler" has taken over Gotham City, forcing Batman to team up with Robin and the rest of the League of Assassins to stop him.
 [Watchlist](#) [Review](#)

Batman: The Killing Joke
As Batman hunts for the madman who has taken his family, he finds himself in a deadly trap. Mr. Freeze and Poison Ivy try to abduct Gotham City.
 [Watchlist](#) [Review](#)

Batman: Hush
A mysterious new villain known only as "The Riddler" has taken over Gotham City, forcing Batman to team up with Robin and the rest of the League of Assassins to stop him.
 [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 Batman to return to the city to stop them. But when he does, he finds out what it takes to become a hero again.
 [Watchlist](#) [Review](#)

Batman: Mystery of the Batwoman
As if the Penguin wasn't enough to contend with, a new vigilante has just arrived in Gotham City, and he's not afraid to take on Batman. And that's where the two have what it takes to cause the drama.
 [Watchlist](#) [Review](#)

Batman: The Dark Knight Returns, Part 2
Batman has cleaned the slate of crime in Gotham City, but when he's sent to fight an unexpected intruder, he finds out that he's still got some work to do.
 [Watchlist](#) [Review](#)

Batman Forever
Batman must battle a delinquent scientist who has disrupted normal life in Gotham City, and a young Robin is born.
 [Watchlist](#) [Review](#)

Batman and Robin
Batman and Robin team up to stop the League of Assassins from taking over the planet. They're joined by Robin's love interest, Selina Kyle, and the Penguin.
 [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 Christmas, Batman wants to be like Santa Claus. He does...indeed, and only Batman. When Batman is left home alone while the rest of the city is off on vacation, he ends up on Christmas Eve, he stumbles upon a homeless boy and his dog, and keeps the chance to save the day.
 [Watchlist](#) [Review](#)

Rotten Potatoes

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

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
distracted
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

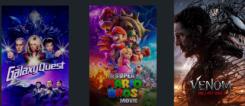
Username: arielle

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

Batman

Anese master spy Daka operates a covert ionage-sabotage organization located in Gotham City's now-deserted Little Tokyo, which turns American scientists into pliable zombies. The great crime-fighters Batman and Robin, with the help of their allies, are in pursuit.

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) - with "Update" and "Delete" buttons
- alex (Admin) - with "Update" and "Delete" buttons
- ranjita (Admin) - with "Update" and "Delete" buttons
- user (User) - with "Update" and "Delete" buttons
- user1 (User) - with "Update" and "Delete" buttons
- user2 (User) - with "Update" and "Delete" buttons
- user4 (Admin) - with "Update" and "Delete" buttons

The footer of the page also displays "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...

Each item has a red "X" icon to its left. To the right of the sidebar, movie details for "Batman" are shown:

Batman
The Dynamic Duo faces four super-villains who plan to hold the world for ransom with the help of a secret invention that instantly dehydrates people.

Batman
Japanese master spy Daka operates a covert espionage-sabotage organization located in Gotham City's now-deserted Little Tokyo, which turns American scientists into pliable zombies. The great crime-fighters Batman and Robin, with the help of their allies, are in pursuit.

At the bottom, there are "Watched" and "Review" buttons for each movie entry.

MessageModal Partial View

Rotten Potatoes

Write a message ×

Title

Review

Write your message here

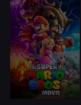
Close Save

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: