



## $\Delta$ -change

## Cineholics $\Delta$ nonymous

Personal movie tracking site with social features. This can be used to track and rate movies users have seen and allow sharing of these details with others. This reaches out to one or more APIs for real-time data about movies, and can hyperlink though to IMDb or even trailers on YouTube.

### Roles:

- Lead – Giancarlo Tomasello
  - Manage scheduling, lead meeting agendas, client contact
- DevOps Engineer – Kyle Plummer
  - CICD stuff
- Git Flow Manager – Vinson Chin
  - Git and conflict management
- QA Lead – Sheckem Daley
  - In charge of testing methodology and testability
- Code Warlock – Juan Mendoza
  - Responsible for offerings to the blood gods

### Technologies and services:

- Spring and Spring Boot
- MockMvc
- Hibernate
- Junit
- React? NodeJS?
- Bootstrap?
- RapidAPI
- Axios?
- AWS – RDS, EC2, S3, CodePipeline, CodeBuild, ElasticBeanstalk?
- Postgresql
- JWT

### User Stories:

1. I want to be able to register and authenticate as a unique user.
2. I want to be able to find movies by filters such as MPAA rating, cast, genre, user rating.
3. I want to see a description of movies listed.
4. I want to track the movies/shows I have seen.
5. I want to be able to rate and review movies/shows.
6. I want to view mine and other user's profiles.
7. I want to be presented with one or more random popular/current movie(s).
8. I want to click through to IMDb for listed movies.
9. I want to be able to find and maintain a list of friend's profiles.
10. I want at least two themes, light and dark mode.
11. I want to be able to find the movie on streaming platforms?? <-secondary API



**APIs:**

- IMDb official API - 200/month
  - <https://rapidapi.com/amrelrafie/api/movies-tvshows-data-imdb>
- RapidAPI IMDb alternative – 1,000/day
  - <https://rapidapi.com/rapidapi/api/movie-database-imdb-alternative>
- OTT Streaming Details API – 120/month
  - <https://rapidapi.com/gox-ai-gox-ai-default/api/ott-details>

**Important considerations:**

- Well defined service-layer with an eye on testability.
- Two separate repos, front/back end – connected by our own API (axios)
- Hard limits on API calls.
- RESTfulness

**Development Plan:**

1. Brainstorming
2. Work out a skeleton
3. Front end design - wireframe
4. Tandem/group coding early phase until a base product exists
5. Task breakdown
6. Meat and potatoes
7. Home stretch
8. Integration testing
9. Code freeze
10. Presentation