Movie Tracker Application – by Nicoding

ACTION
ACTION
HORROR
COMMEDY
MOVIE
TRACKER
Your movie universe
Elevator pitch

DESCRIPTION

Concept

Key Features:

Movie Search:
search for movies by title, modal popup when movie poster is clicked, trailer embedded in modal

Actor Search:
actor's profile: a short overview, their picture and 3 highest rated movies

Watchlist Feature:
users to create and manage a personalized watchlist

User-Friendly Interface:
clean and intuitive design, responsive search bar and easy to find watchlist button

MOTIVATION

Concept

PASSION

+

SOLVING A REAL WORLD PROBLEM

WE LOVE WATCHING MOVIES

BUT STRUGGLED TO PLAN MOVIE NIGHTS ACROSS SO MANY STREAMING PLATFORMS.
WANTED TO CREATE AN APP THAT WOULD MAKE MOVIE NIGHTS EASY PEASY AND ANSWER THE AGE-OLD QUESTION "WHAT HAVE I SEEN THAT ACTOR IN BEFORE?"

USER STORY

Concept

AS A movie fanatic

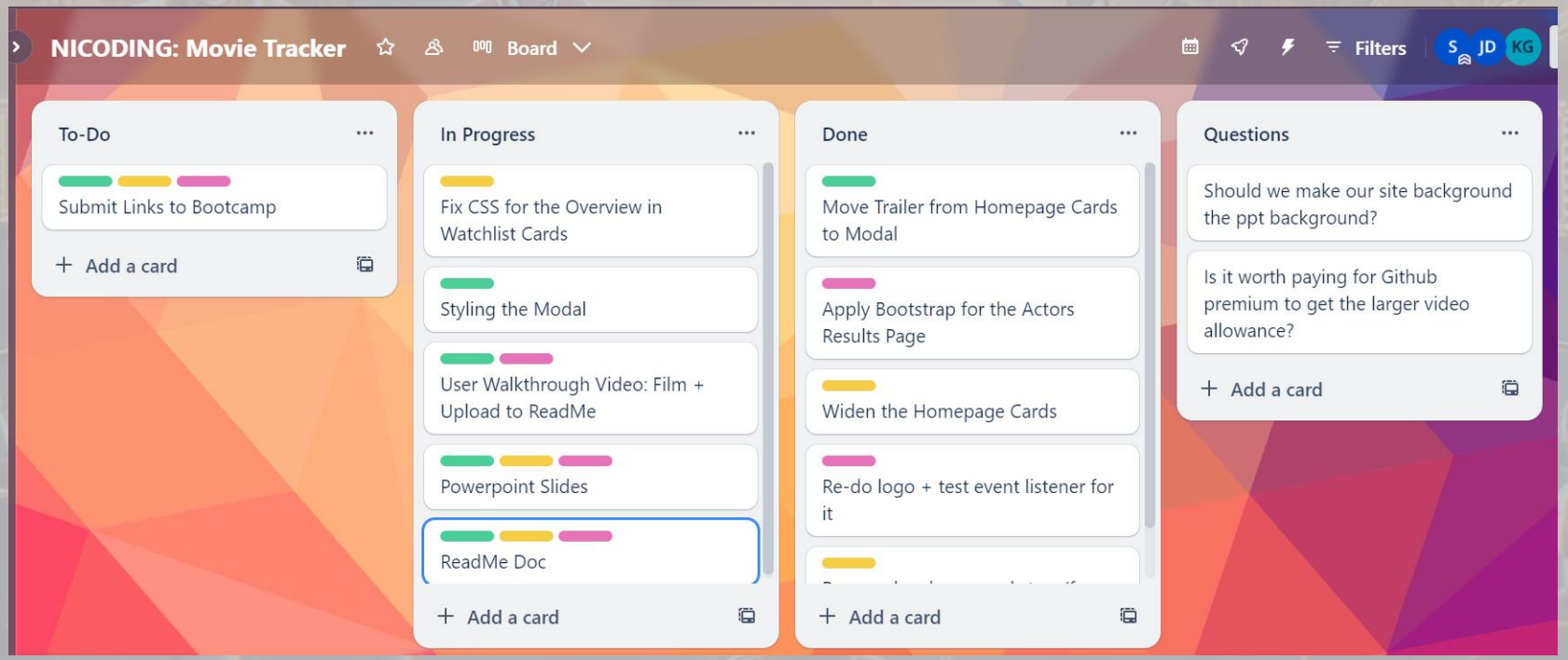
I WANT to be able to see which films are trending right now, search for movies by title, watch the trailer, see how many stars it has, read the movie summary, check out who the main actors are, find out information about actors, and add movies to a watchlist.

SO THAT I can organize my movie watching

TASK MANAGEMENT

PROCESS

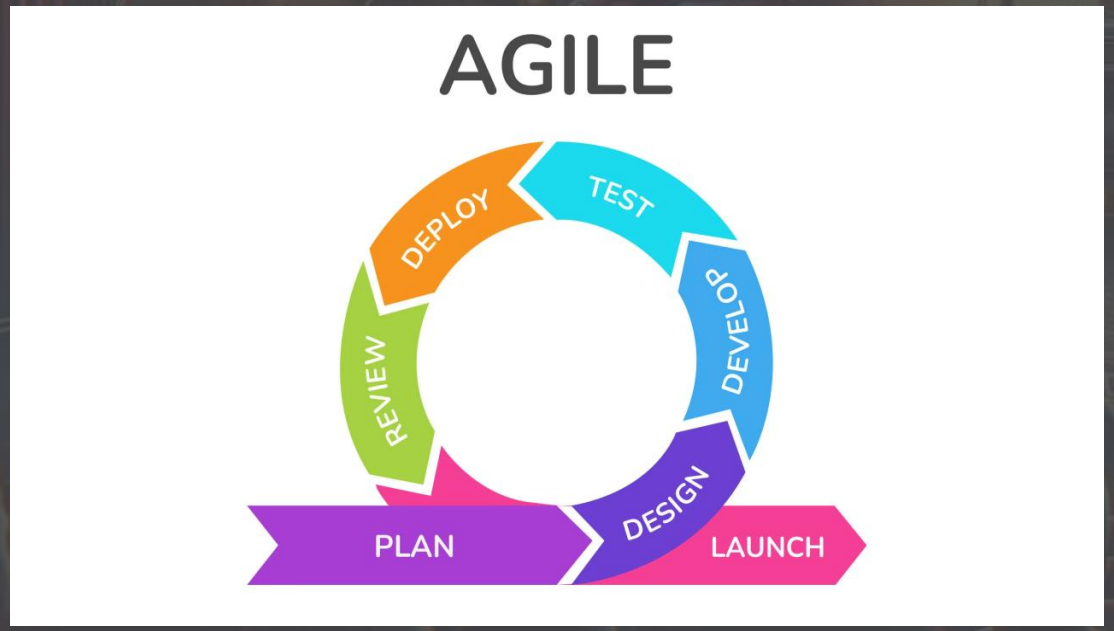
Trello Microsoft Teams slack

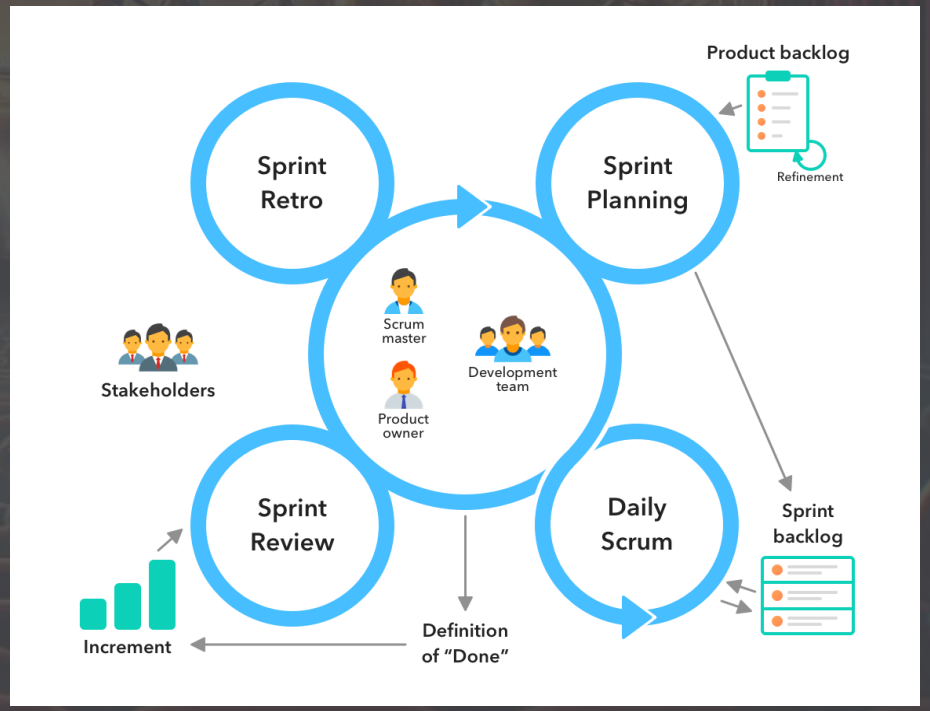


PROJECT MANAGEMENT

PROCESS

WE IMPLEMENTED AGILE SOFTWARE DEVELOPMENT METHODOLOGY USING THE SCRUM FRAMEWORK

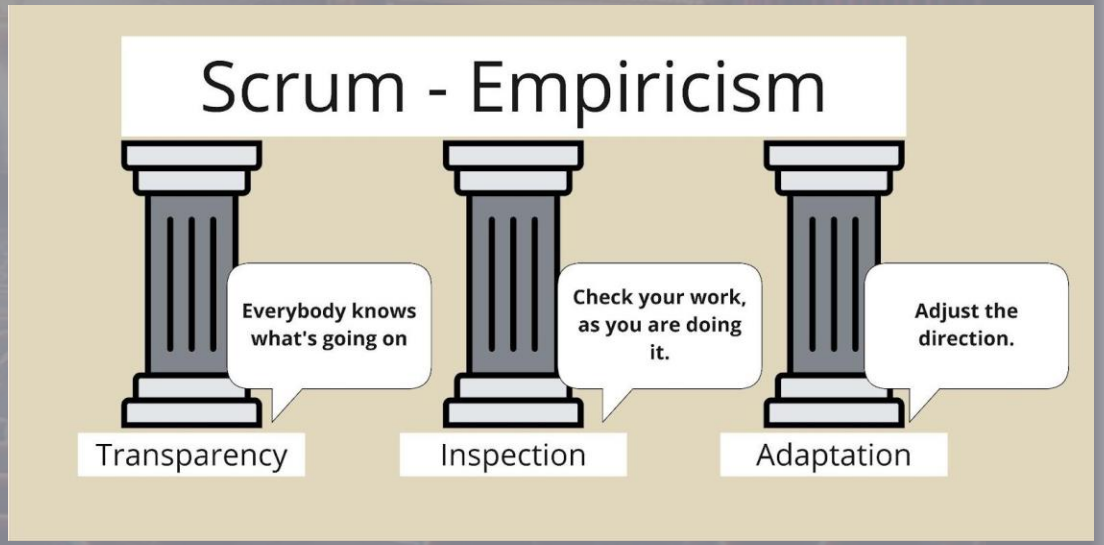




PROJECT MANAGEMENT

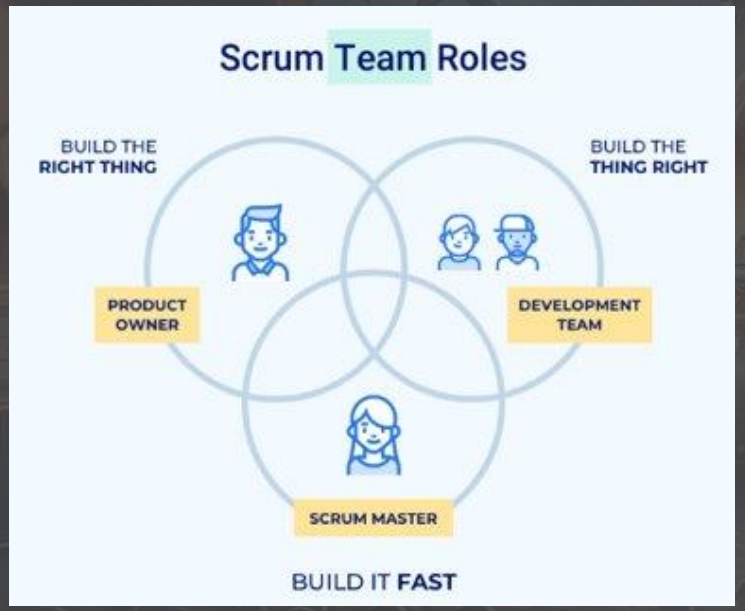
PROCESS

SCRUM VALUES + PILLARS
HELPED GUIDE OUR TEAM BEHAVIOUR



ROLES

PROCESS



SCRUM TEAM ROLES : These were initially assigned, but as the project progressed, we all ended up taking on each role. This was due to team size, project timeline + project requirements.

Product Owners: Understand the Customer Requirements, Create + Manage the Product Backlog based on Requirements.

Scrum Master: Facilitate Daily Standups, Manage Scope Creep, Retrospectives (Areas for improvement + actioning tasks), Sprint Review.

Development Team: Deliver Allocated Work, Highlight Issues + Successes

ROLES

PROCESS

TASK MANAGEMENT

JESS: Queen of JavaScript + Scrum Master

KYLE: CSS Mastermind + Development Team

SARAH: Html + CSS Wizard + Product Owner

We made sure tasks were clearly allocated to specific team members.

However, reaching the "it is done" point was an iterative process with collaboration and input from everyone.

Initial Plan

Purpose:

- Retrieve

- Movie actor videos

Limitations:

- Unprofessional look

OMDb API

The Open Movie Database

Purpose:

- Retrieve

- Movie data
- Actor data

Limitations:

- Unable to retrieve actor data
- Limited movie data

Modified Plan

Purpose:

Able to retrieve:

- Actor
  - Information
  - Headshots
  - Overview
- API Limit: No daily limit

Purpose:

- To show movie trailers

Limitations:

- **API limit:**
  100,000 units per day

Journey

Initial Ideas

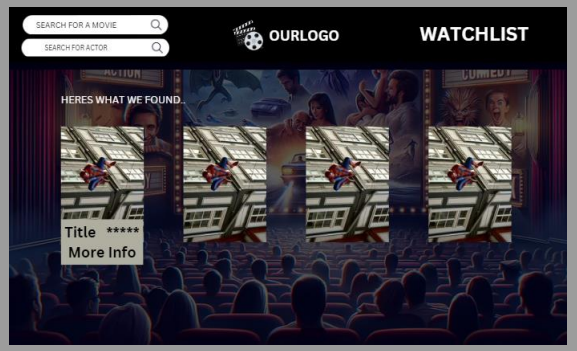
Brainstorming

Ideas list based off public API's:

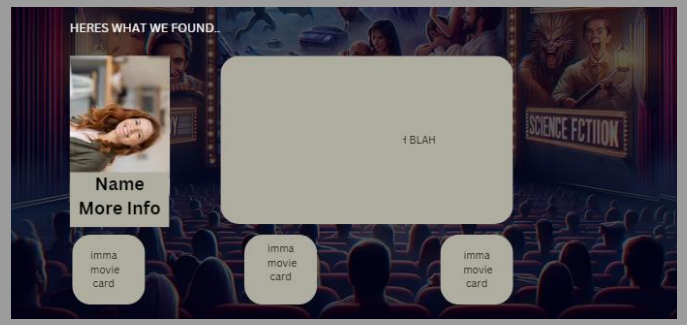
- Weather app
- Language Translation tool
- Financial tracker (Tracks and analyses personal finances)
- Travel planner (maps, accommodation, transportation, links to other people in area)

UI/UX Design

Landing Page



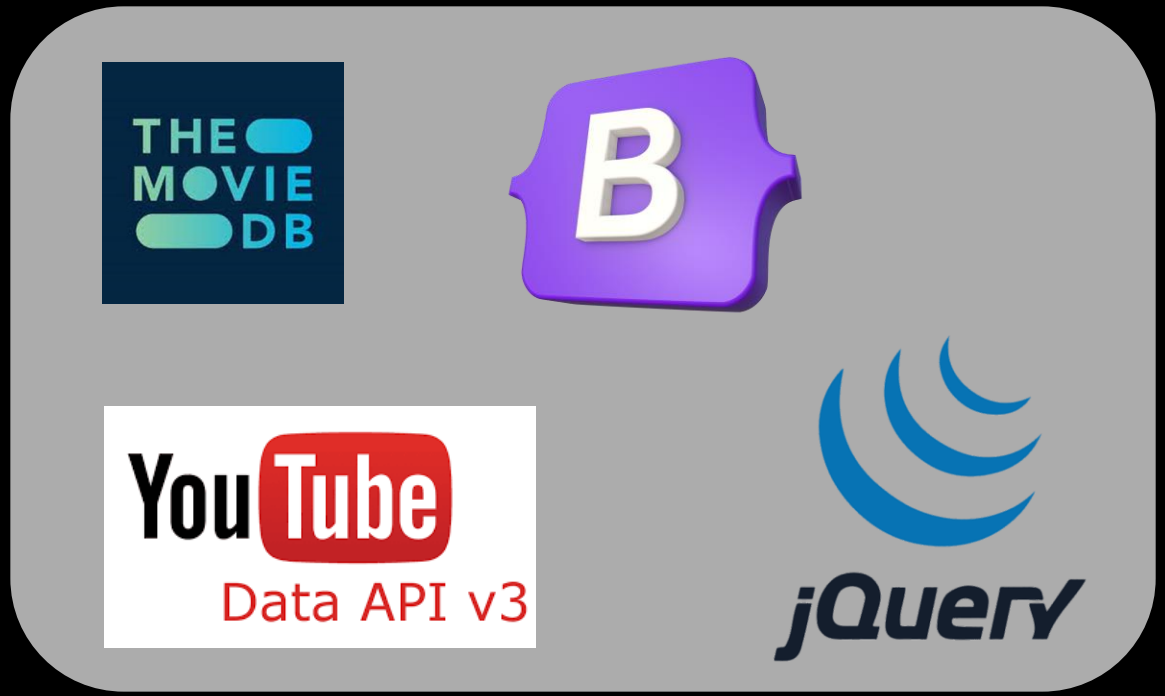
Actors Search



Modal popup

Canva

Functionality



Testing

- Screen sizing (responsiveness of webpage)
- Modal appearing when poster image is clicked by user
- Titles change when buttons are clicked
- Both search bars working correctly and return correct data
- Watchlist icons - when eye icon is clicked it changes colour and is added to watchlist
- Everything is legible for users
- User accessibility - for users that have issues with sight

CHALLENGES

Process

Limitations with YouTube V3 API

Merging CSS styling at the end

Last minute adding the modal feature

Colour coding stars to rating

Headers changing when page is loaded or watchlist button is clicked

- **Adapted webpage to fit the API better**
- **Went through CSS as a group to find mistakes**
- **Asked for help**
- **Went over code assigning colours**
- **Modified code in js to hide and show headers when necessary**

SUCCESSES

Process

- ✓ Learning journey + skill development.
- ✓ Gained confidence (even got over fear of API doc's + modals).
- ✓ Achieved (most of) our crazy ideas + created something we're proud of that met project requirements.
- ✓ Became the dream team (fab communication, collaboration + problem solving even if we do say so ourselves).
- ✓ Enjoyed the process (many laughs + minimal tears).
- ✓ Merged changes without completely breaking the app and/or our team spirit.
- ✓ Created an encouraging environment for ideas and a safe environment for mistakes.
- ✓ Overcame challenges (and errors!!!) together.

Website Features

Successes

- ✓ Mobile Responsive, clean and polished UI, intuitive and easy to navigate UX.
- ✓ Nav Bar with Search Bar for Movies, Search Bar for Actors, Logo and Watchlist Button.
- ✓ Logo returns user to homepage.
- ✓ Homepage features movies that are trending right now.
- ✓ Homepage cards feature movie title, image, color-coded star rating and add to watchlist button.
- ✓ When users click on the movie image, they will see a modal showing movie overview, main actors and a trailer video.
- ✓ Users can press the x to exit out of the modal.
- ✓ Users can view movies they've added to the watchlist by clicking the watchlist button on the right-hand side of the header/navigation bar.
- ✓ Watchlist Movies are saved to local storage and movie cards in the watchlist feature the movie title, image, star rating and overview.
- ✓ The Movie Search bar allows users to search for movies by entering a word(s). The returned movie cards have the same features as the homepage cards.
- ✓ The Actor Search bar allows users to search for actors by entering their name.
- ✓ The returned actor's cards feature actor name, actor headshot image, actor information and biography, and images of movies they're known for.

Lights, Camera Action:

Directions for Future Development

Future

- Integrate "genre" category into search feature
- Merge search bar into one
- Be able to categorise movies within the watchlist (For girl's night, date night, Christmas time etc)
- Add a remove from watchlist button in the watchlist cards
- Machine learning – Use predictive modelling to predict movies that the user would like

Links

GitHub: https://github.com/KyloGG88/NicodingProject1

URL: https://kylogg88.github.io/NicodingProject1/

Power point: https://emckclac-my.sharepoint.com/:p:/r/personal/k20126123_kcl_ac_uk/_layouts/15/Doc.aspx?sourcedoc=%7B642d9bca-7f18-4678-b17d-2c069c937864%7D&action=default&fromShare=true&cid=209a2122-308e-480c-a46c-89cf65e24df3&_SRM=2%3AS%3A85&file=Presentation%20front%20end%20group%20project.pptx