Movie Tracker Application – by Nicoding

# 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

**NICODING: Movie Tracker** ☆ ⬡ ▭ Board ⌄          📅 ✈ ⚡ ☰ Filters  S JD KG

| To-Do ⋯ | In Progress ⋯ | Done ⋯ | Questions ⋯ |
|---|---|---|---|
| Submit Links to Bootcamp | Fix CSS for the Overview in Watchlist Cards | Move Trailer from Homepage Cards to Modal | Should we make our site background the ppt background? |
| + Add a card | Styling the Modal | Apply Bootstrap for the Actors Results Page | Is it worth paying for Github premium to get the larger video allowance? |
| | User Walkthrough Video: Film + Upload to ReadMe | Widen the Homepage Cards | + Add a card |
| | Powerpoint Slides | Re-do logo + test event listener for it | |
| | ReadMe Doc | | |
| | + Add a card | + Add a card | |

# PROJECT MANAGEMENT

**PROCESS**

WE IMPLEMENTED AGILE SOFTWARE DEVELOPMENT
METHODOLOGY USING THE SCRUM FRAMEWORK

# PROJECT MANAGEMENT

**PROCESS**

## SCRUM VALUES + PILLARS
## HELPED GUIDE OUR TEAM BEHAVIOUR



Scrum.org

**COURAGE**
Scrum Team members have courage to do the right thing and work on tough problems

**FOCUS**
Everyone focuses on the work of the Sprint and the goals of the Scrum Team

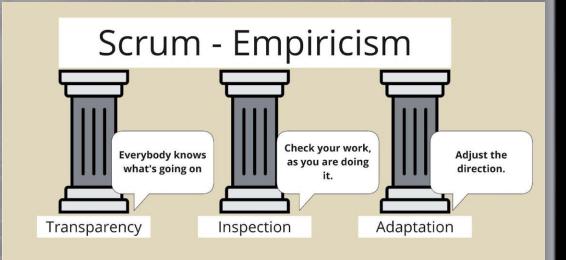**COMMITMENT**
People personally commit to achieving the goals of the Scrum Team

**RESPECT**
Scrum Team members respect each other to be capable, independent people
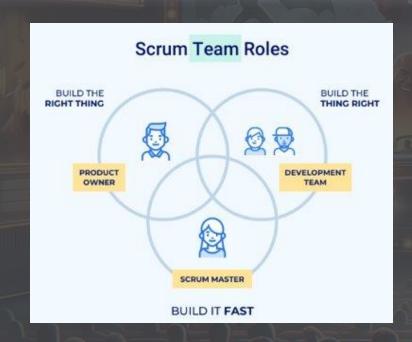
**OPENNESS**
The Scrum Team and its stakeholders agree to be open about all the work and the challenges with performing the work

SCRUM VALUES

© Scrum.org



## Scrum - Empiricism

**Everybody knows what's going on**

**Check your work, as you are doing it.**

**Adjust the direction.**

Transparency

Inspection

Adaptation

# ROLES

**Scrum Team Roles**

BUILD THE RIGHT THING — BUILD THE THING RIGHT

PRODUCT OWNER — DEVELOPMENT TEAM

SCRUM MASTER

BUILD IT **FAST**

**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

**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.

# ROLES

## 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

**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)
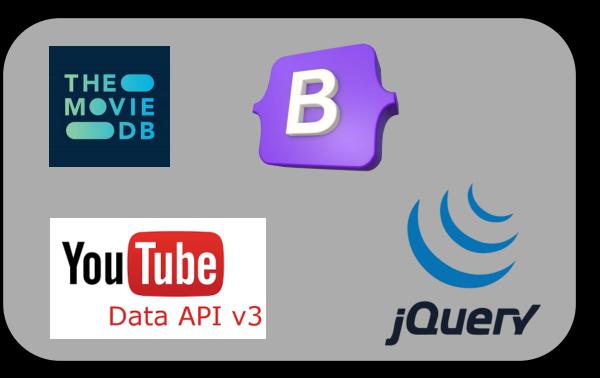
# UI/UX Design



**Landing Page**

SEARCH FOR A MOVIE

SEARCH FOR ACTOR

OURLOGO

**WATCHLIST**

HERES WHAT WE FOUND...

Title *****
More Info

**Actors Search**

HERES WHAT WE FOUND...

BLAH

Name
More Info

imma movie card

imma movie card

imma movie card

**Modal popup**

HERES WHAT WE FOUND...

## Spider-Man

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

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