### ****Project Idea: Movie & TV Show Tracker****

#### ****Overview****

This project is a web app that allows users to search for movies and TV shows, view details (rating, synopsis, cast, etc.), and find out where they can stream them. The goal is to provide a single platform for users to discover entertainment options and know where to watch them legally.

## ****APIs to Use****

**TMDb (The Movie Database) API**

* 1. Provides access to a vast database of movies and TV shows, including details such as title, rating, synopsis, cast, release date, and posters.
  2. URL: <https://developer.themoviedb.org>

**JustWatch API** (Unofficial API or Web Scraping)

* 1. Finds where a movie or TV show is available for streaming, rental, or purchase across multiple platforms like Netflix, Disney+, Amazon Prime, etc.
  2. URL: <https://www.justwatch.com/us/api>

## ****MVP (Minimum Viable Product)****

### ****1. Home Page:****

* Search bar where users can type a movie/TV show name.
* Trending movies and TV shows fetched from TMDb API.
* Popular streaming platforms (e.g., Netflix, Hulu, Disney+) with icons.

### ****2. Search Results Page:****

* Displays a list of movies/TV shows matching the search query.
* Shows movie poster, title, release year, and rating.
* Each item links to a detailed movie/show page.

### ****3. Movie/TV Show Details Page:****

* Fetches data from TMDb API to show:
  + Title, poster, and release date.
  + Genre and user rating.
  + Synopsis and cast list.
  + Trailer (embedded YouTube link if available).
* Uses JustWatch API to display:
  + Streaming availability (Netflix, Hulu, Prime Video, etc.).
  + Rental and purchase options (Google Play, iTunes, etc.).

### ****4. Responsive & User-Friendly UI:****

* Bootstrap-based design for a clean and intuitive experience.
* Dark mode for a cinema-like feel.

## ****Technology Stack****

* **Backend**: Node.js with Express
* **Frontend**: Bootstrap for styling, EJS/Pug for templating
* **Database (Optional for watchlist feature)**: MongoDB (Atlas)

Here are wireframes for the **Movie & TV Show Tracker** project. The wireframes will include:

1. **Home Page** – Search bar + Trending Movies/TV Shows
2. **Search Results Page** – List of search results with posters and basic details
3. **Movie/TV Show Details Page** – Full details including streaming options

**Wireframes for Movie & TV Show Tracker**

## 1. Home Page

**Elements:**

* Navigation bar (Logo, Home, Watchlist, Search)
* Search bar with a button
* Section: Trending Movies (Carousel/Grid)
* Section: Trending TV Shows (Carousel/Grid)
* Footer with links (Privacy Policy, Contact, etc.)

**Wireframe Sketch:**

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| Logo | Home | Watchlist | Search [\_\_\_\_\_\_\_\_] 🔍 |

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| Featured Movie Banner |

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| Trending Movies: [Poster] [Poster] [Poster] |

| [Poster] [Poster] [Poster] |

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| Trending TV Shows: [Poster] [Poster] [Poster] |

| [Poster] [Poster] [Poster] |

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| Footer Links |

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## 2. Search Results Page

**Elements:**

* Navigation bar (same as Home Page)
* Search bar at the top
* List of search results (Movie/TV Show posters, titles, ratings, release year)
* Pagination if necessary

**Wireframe Sketch:**

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| Logo | Home | Watchlist | Search [\_\_\_\_\_\_\_\_] 🔍 |

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| Search Results for: "Spider-Man" |

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| [Poster] Title: Spider-Man (2002) ⭐ 7.3/10 |

| [Poster] Title: Spider-Man: No Way Home (2021) |

| [Poster] Title: The Amazing Spider-Man (2012) |

| [Poster] Title: Spider-Man: Into the Spider-Verse|

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| Next Page > |

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## 3. Movie/TV Show Details Page

**Elements:**

* Navigation bar (same as Home Page)
* Large movie/TV show poster
* Title, Release Year, Genre, Rating
* Synopsis
* Cast List
* Streaming availability (Netflix, Hulu, Disney+, etc.)
* Trailer (if available)
* Button to Add to Watchlist

**Wireframe Sketch:**

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| Logo | Home | Watchlist | Search [\_\_\_\_\_\_\_\_] 🔍 |

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| [Movie Poster] Title: Spider-Man |

| ⭐ 7.3/10 | Genre: Action, Adventure |

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| Synopsis: |

| Peter Parker gets bitten by a radioactive... |

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| Cast: Tobey Maguire, Kirsten Dunst, Willem Dafoe|

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| Where to Watch: |

| ✅ Netflix ✅ Prime Video ❌ Disney+ |

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| ▶ Watch Trailer | + Add to Watchlist |

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Would you like any modifications or additional wireframes? 😊