

The results are in!
Here's what we recommend.



The Shawshank
Redemption
1994, 9.3/10

The Dark Knight
2008, 9/10

Pulp Fiction
1994, 8.9/10

The Lord of the Rings:
The Return of the King
2003, 8.9/10

Schindler's List
1993, 8.9/10

Inception
2010, 8.8/10

CinemaScout

An unbiased, ultrafast movie
traversal tool



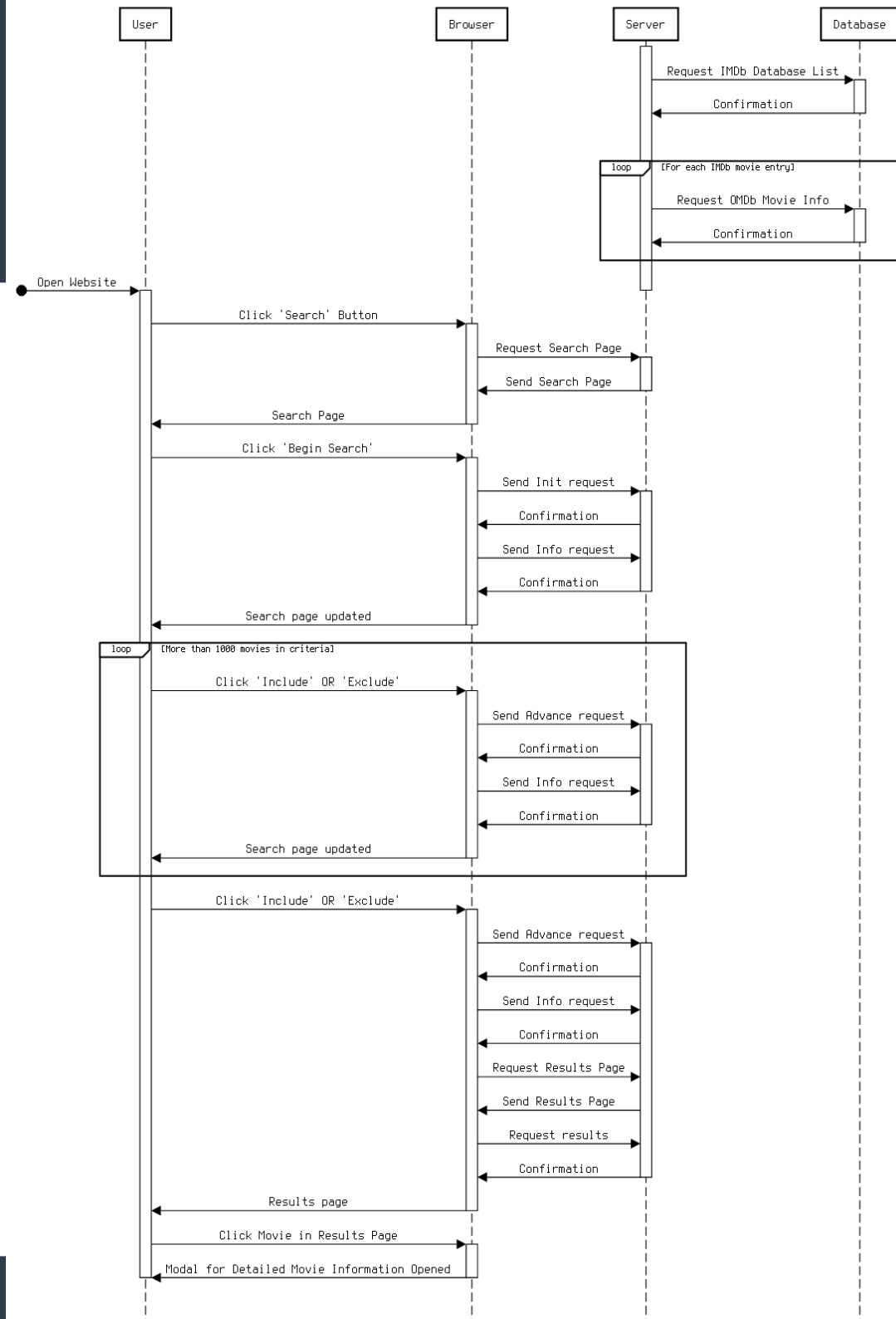
Epic Group

But what does CinemaScout do?

- **~200 000 movie dataset (derived from 500 000 potential movies)**
- **Procedurally generated themes**
- **Include/exclude choices**
- **Genre based questions, then keywords derived from the plot**
- **Extremely fast and efficient, akin to a binary search in design**

Architecture

- Uses IMDb (Internet Movie Database) and OMDb (Open Movie Database)
- All data is cached before the webserver starts and stored locally
- No communication to either while the webserver is running
- If either goes down or stops offering the service there is no loss of functionality



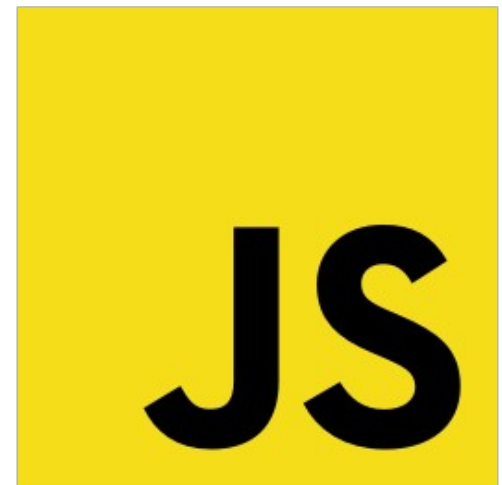
Frontend Stack Choices

- **UNIX philosophy: Do one thing and do it well (just recommend movies)**
- **Reduce unnecessary complexity**
- **No “bootstrapping” (copy pasting)**

HTML



CSS



Backend Stack Choices

- **Extreme performance + efficiency required**
- **Type-safe, compiled and familiar to us**



Third Party Dependencies

- **Frontend:**



- **Backend:**




*Rapid***JSON**



cpp-http lib

Live Demo Failure Portion

- Hosted by  Digital Pacific
- \$30/Month AUD Hosting cost (cheapest one we could find)
- Probably also the weakest, 1 vCPU, 2GB of ram, likely weaker than your smartphone
- \$12 AUD for the domain name (2 years)
- Will it fail? (untested under heavy load, good opportunity to find bugs now)

Competitor Search Example



Best action movies



All

Videos

Images

News

Shopping

More

Settings

Tools

What to watch

Services

Films

Action

New

Adventure

Superhero

Thriller

YouTube

Prime Video

Netflix

Google Play

Comedy



Popular action movies



Chaos Walking



Honest Thief



Tenet



Greenland



Underwater



Extraction



The Courier



Guns Akimbo



More films

Feedback

Competitor Search Example



Chaos Walking

[M] 2021 · Sci-fi/Adventure · 1h 50m

[Play trailer on YouTube](#)



Watch now
From \$24.99



Watched it?



Watchlist

▼ All watch options

5.7/10
IMDb

23%
Rotten
Tomatoes

39%
Metacritic

81% liked this film
Google users



In Prentissstown, Todd has been brought up to believe that the Spackle released a germ that killed all the



Underwater

[M] 2020 · Horror/Action · 1h 35m

[Play trailer on YouTube](#)



Watch now
Subscription



Watched it?



Watchlist

▼ All watch options

5.8/10
IMDb

47%
Rotten
Tomatoes

48%
Metacritic

80% liked this film
Google users



Norah and her team find themselves in a dangerous



Extraction

[MA15+] 2020 · Action/Thriller · 1h 57m

[Play trailer on YouTube](#)



Watch now
Subscription



Watched it?



Watchlist

▼ All watch options

6.7/10
IMDb

67%
Rotten
Tomatoes

56%
Metacritic

90% liked this film
Google users



A black-market mercenary who has nothing to lose is

Advantages over Google, Azn etc.

- **Complete impartiality, no monetary gain from manipulating search results, no business partners**
- **Deeper, more specific search ability**
- **Intuitive UI specific to movie searching**
- **Can recommend movies it doesn't serve**
- **No “history poisoning” (based on you clicking x, we think you like y)**
- **Market for recommendation dissatisfaction**

Viability of Deployment

- **Extremely low running costs**
- **Extremely low bandwidth requirements**
- **Little to no maintenance required**
- **No consequence of a security breach**
- **Extremely easy to monetise via Adsense (or alternative)**
- **Extremely easy to expand (codebase)**