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# Information Processing and Retrieval Project

# System Tool Improvement

- Main improvements made to our system tool:
  - Extra information from a different source by our web application directly;
  - Filters to be used in the main fields to easily improve the results.
- Some experiments were made regarding Solr filters and analyzers but no differences worth mentioning happened to the tool performance (maybe tests used lacked complexity).

# Enhancing UX

- We decided to upgrade user experience by developing a web application and adding some extra information features to the already built system:
  - Using React + ExpressJS + Solr
  - Adding (another) external data source (TMDB) to fetch multimedia data and extra information (posters, profile pictures, ...)
- This application allows for easy search tasks with filters and custom sorting methods to enhance user experience and make a real-world case scenario for this search system.



# Web Application

Built with React +  
ExpressJS + Solr

POPCORN TIME

Movies

People

Search

Genre

Language

1894 to 2020

Sort

Direction

Ascending

Found 85854 results in 0.123 seconds

Miss Jerry

45m 1894

Romance

★5.9/10.0

154 votes

The adventures of a female reporter in the 1890s.

MORE

After finding out that her father is suffering financial problems, Jerry Holbrook decides to start a career in journalism in the heart of New York. While working she falls in love with the editor of her paper, Mr. Hamilton. After being offered a job in London the couple initially have problems but Jerry accepts a proposal of marriage and they leave for London together.

The Story of the Kelly Gang

70m 1906

Biography

Crime

Drama

★6.1/10.0

589 votes

True story of notorious Australian outlaw Ned Kelly (1855-80).

MORE

Cleopatra

100m 1912

★5.2/10.0

446 votes

POPCORN TIME

Movies

People

Search

spide

Genre

Language

1894 to

Sort

# The Amazing Spider-Man

The Amazing Spider-Man

136m 2012

Action


Adventure

Sci-Fi

English

★6.9/10.0

550033 votes

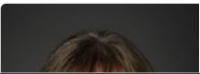


## Details

Peter Parker is an outcast high schooler abandoned by his parents as a boy, leaving him to be raised by his Uncle Ben and Aunt May. Like most teenagers, Peter is trying to figure out who he is and how he got to be the person he is today. As Peter discovers a mysterious briefcase that belonged to his father, he begins a quest to understand his parents' disappearance – leading him directly to Oscorp and the lab of Dr. Curt Connors, his father's former partner. As Spider-Man is set on a collision course with Connors' alter ego, The Lizard, Peter will make life-altering choices to use his powers and shape his destiny to become a hero.

As a child, Peter Parker discovers his father Richard's study has been ransacked. His father gathers concealed documents before Peter's parents take him to stay with his Aunt May and Uncle Ben. His parents leave, but are later killed in a plane crash. As a teenager, Peter is a student at Midtown Science High School, where he is bullied by Flash Th... [Read More](#)

## People



[Sally Field](#)

actor

MORE

localhost

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Movies

People

Spider-Man

Search

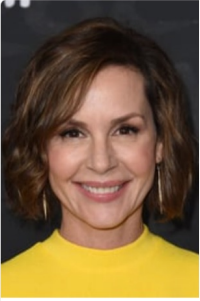
spide

Genre

Language

1894 to

Sort




[Embeth Davidtz](#)

actor

Embeth Jean Davidtz

Embeth Jean Davidtz (born August 11, 1965) is an American-born South African actress. Description above from the Wikipedia article Embeth Davidtz, licensed under CC-BY-SA, full list of contributors on Wikipedia




[C. Thomas Howell](#)

actor

Christopher Thomas Howell

From Wikipedia, the free encyclopedia. Christopher Thomas Howell (born December 7, 1966), usually credited as C. Thomas Howell, is an American actor and film director. He starred in the films The Outsiders as Ponyboy Curtis and in The Hitcher as Jim Halsey. He has appeared in Soul Man, Red Dawn, Secret Admirer, Gettysburg, H. G. Wells' War of the Worlds, The Day the Earth Stopped and Gods and Generals. He is scheduled to appear in 2012's The Amazing Spider-Man.



[Denis Leary](#)

actor

Denis Colin Leary

Denis Colin Leary (born August 18, 1957) is an American actor, comedian, writer, director and film producer. Leary is known for his biting, fast paced comedic style and chain smoking. He is the star

MORE

Search for a person

George clooney

Found 45526 results in 0.039 seconds



## George Clooney

actor

George Timothy Clooney

An American actor, film director, producer, and screenwriter. He has received three Golden Globe Awards for his work as an actor and two Academy Awards—one for acting and the other for producing. Clooney is also noted for his political activism and has served as one of the United Nations Messengers of Peace since January 31, 2008. Born in Lexington, Kentucky, as son of Nick Clooney, a TV newscaster of many years, who hosted a talk show at Cincinnati and often invited George into the studios already at the age of 5. Avoiding competition with his father, he quit his job as broadcast journalist after a short time. Studied a few years at Northern Kentucky University. Failed to join the Cincinnati Reds baseball team. He came to acting when his cousin, Miguel Ferrer, got him a small part in a feature film. After that, he moved to L.A. in 1982 and tried a whole year to get a role while he slept in a friend's closet. His first movie, together with Charlie Sheen, stayed unreleased but got him the producers' attention for later contracts.





# George Clooney

## George Timothy Clooney

佐治·古尼 · Джордж Клуни · ジョージ・クルーニー · จอร์จ คลูนีย์ · 조지 클루니 · جورج كلوني · Джордж Клуни · Джордж Тімоті Клуні · George Timothy Clooney

🏠 1961-05-06 Lexington, Kentucky, USA

Biography



Related Movies





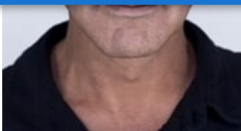
localhost



POPCORN TIME

Movies

People



Biography



Related Movies



## O Brother, Where Art Thou?

107m 2000

Adventure

Comedy

Crime

★7.7/10.0

279523 votes

In the deep south during the 1930s, three escaped convicts search for hidden treasure while a relentless lawman pursues them.

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## Ocean's Twelve

125m 2004

Crime

Thriller

★6.5/10.0

351814 votes

Daniel Ocean recruits one more team member so he can pull off three major European heists in this sequel to

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# Conclusion

- The indexing process was done just by exploring the Solr documentation
- Regarding evaluation, some improvements were made not just to the retrieval tool, but also to our analysis of it.
- The web application greatly improves the usability of our tool, making the information easily accessible and understandable.