

CAPSTONE II: MMP

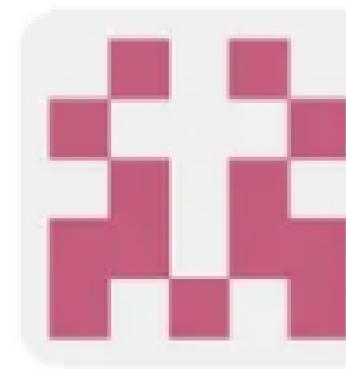


SPOILER
BLOCKER
EXTENSION



GITHUB REPOSITORY

felicity-og/ **AI_Futurists**



Capstone project: Building a Spoiler blocker extension

2

Contributors

0

Issues

0

Stars

0

Forks



felicity-og/AI_Futurists at MMP

Capstone project: Building a Spoiler blocker extension - GitHub - felicity-og/AI_Futurists at MMP



GitHub

https://github.com/felicity-og/AI_Futurists/tree/MMP

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PROJECT TEAM



FELICITY
OGUNTOLU



KAROL
CARDENAS

INTRODUCTION

A web browser extension is software that adds custom functions and features to your browser. It is created using the same technologies used in creating web pages - HTML, CSS, JavaScript.

AIM: Building a Spoiler blocker extension.

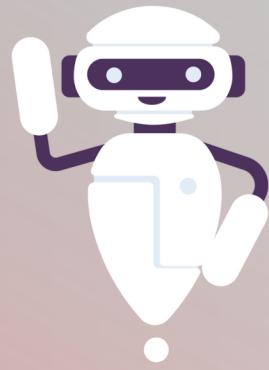
Like the need for many blocker extensions e.g. ads, inappropriate content, etc. People also find the need to hide spoilers of their favorite shows or movies from showing up randomly while using their browsers.

METHODOLOGY

To build any software, there are some key technologies to always consider

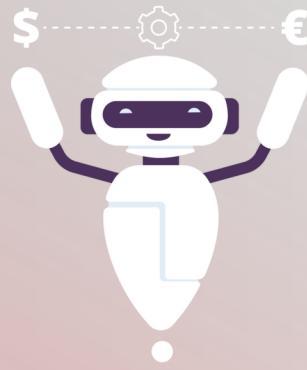
- Programming Languages
- Frameworks and Libraries
- Databases
- Cloud computing

METHODOLOGY



HTML

Building block
for all websites;
standard markup
language used to
create apps, web
interfaces, etc.



CSS

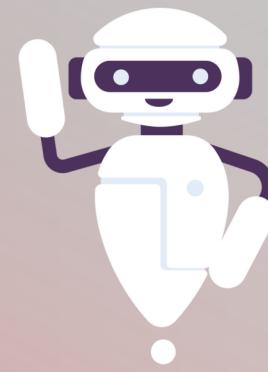
Style sheet
language to set
the style and
design of HTML
elements



JAVASCRIPT

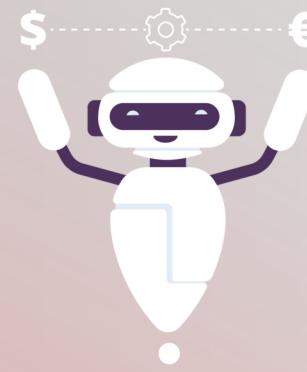
Programming
language to
create
interactive
effects within
web browsers

METHODOLOGY



PYTHON

For implementing the AI component, python is needed for coding the ML models e.g. NLP, Sentiment analysis



API'S

Interface needed to support complex operations and access data e.g. database of spoliars



DATABASE

A regular updated and maintained database can only be achieved with a management system like MySQL to keep track of changes, aid ease of updates, etc.

PROJECT OBJECTIVES



PROJECT OBJECTIVES

Basic Features

- Keyword Filtering

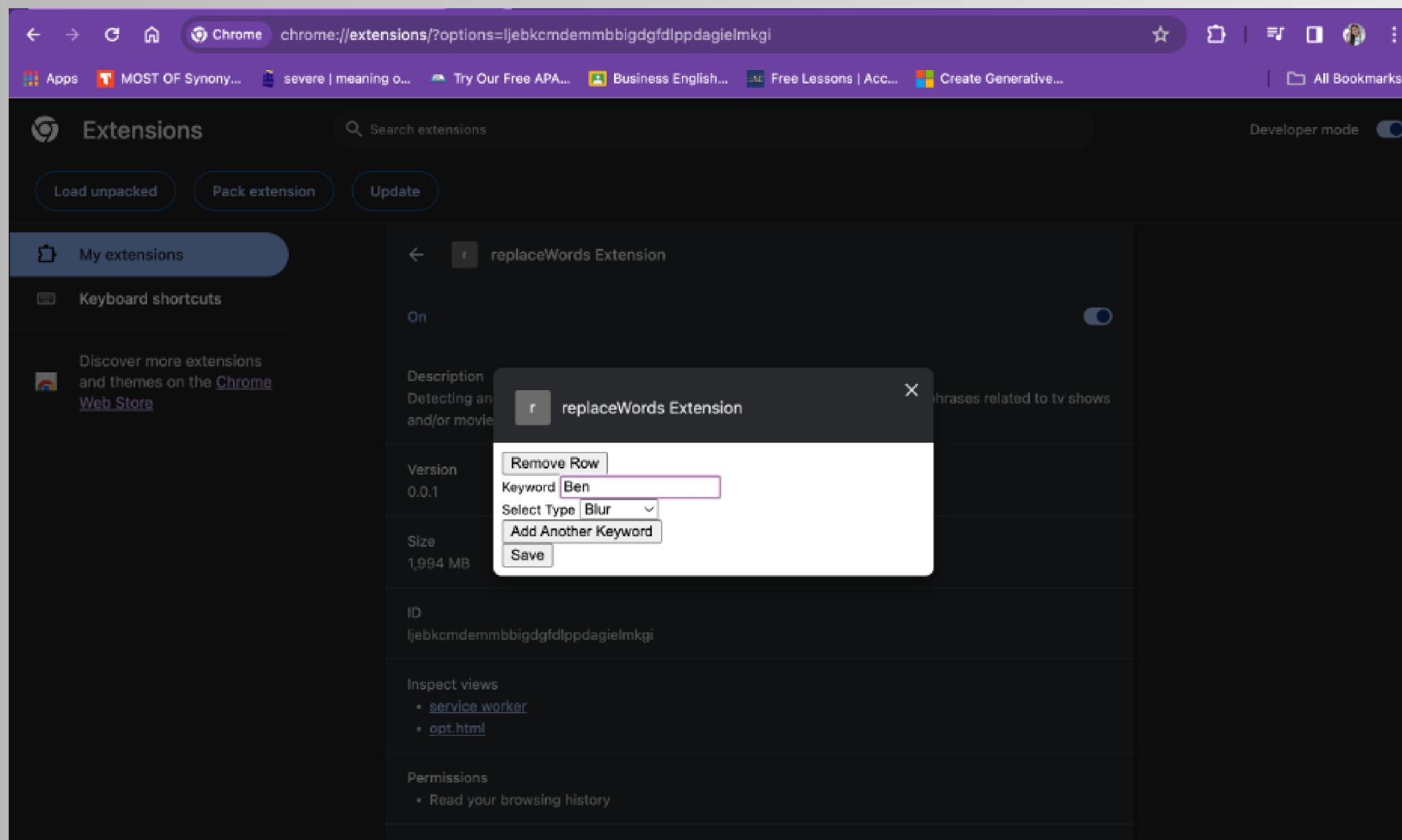
This is a Natural Language Processing (NLP) technique that involves detecting and filtering desired/undesired information from a sequence of text.

This project, involves filtering out specific words or phrases that are related to TV series and/or movies, this functionality is important as these words/phrases usually lead to more spoiler formats like images and videos of content you do not want to see.

PROJECT OBJECTIVES

Basic Features

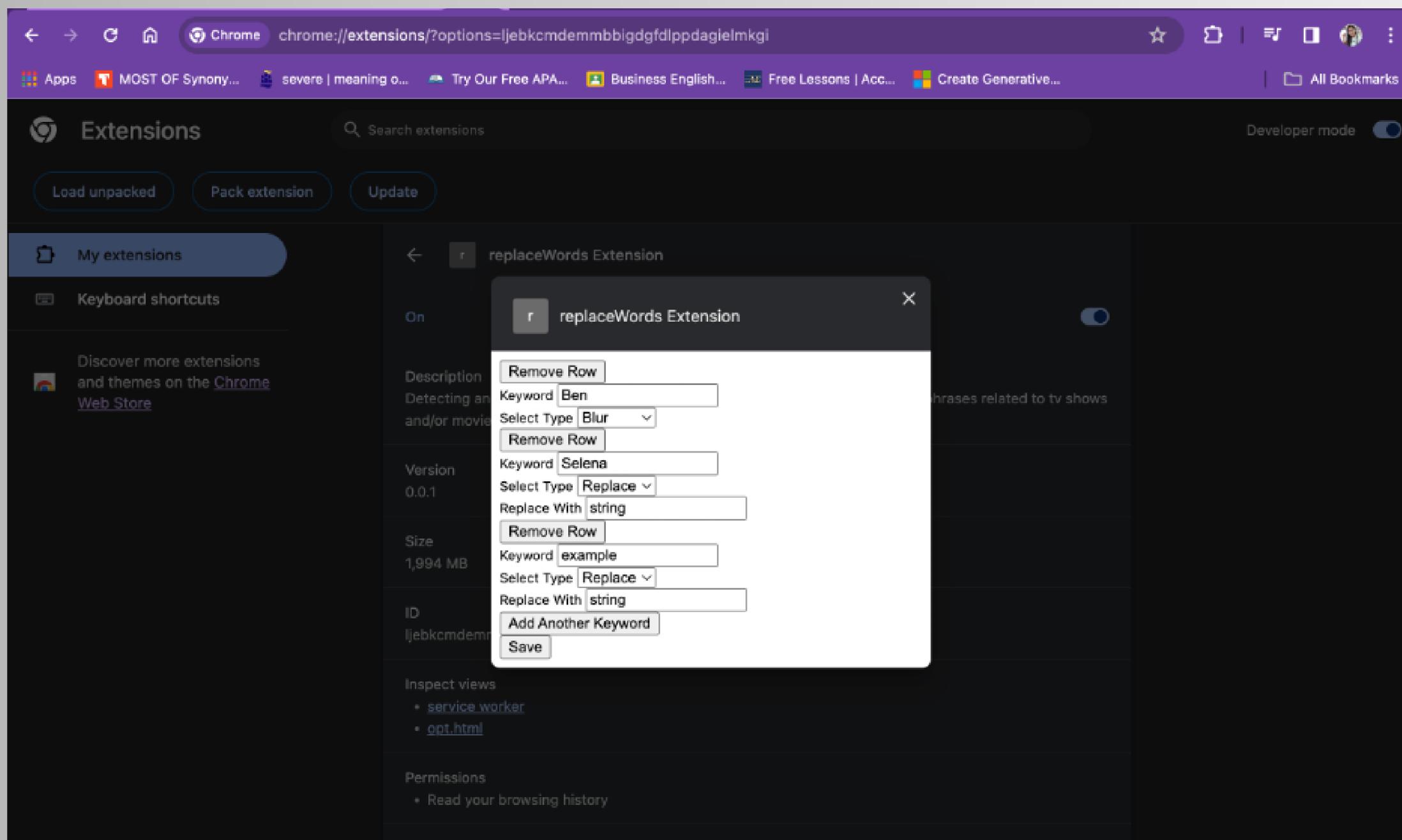
- Keyword Filtering



PROJECT OBJECTIVES

Basic Features

- Custom user settings:



PROJECT OBJECTIVES

- Spoiler database

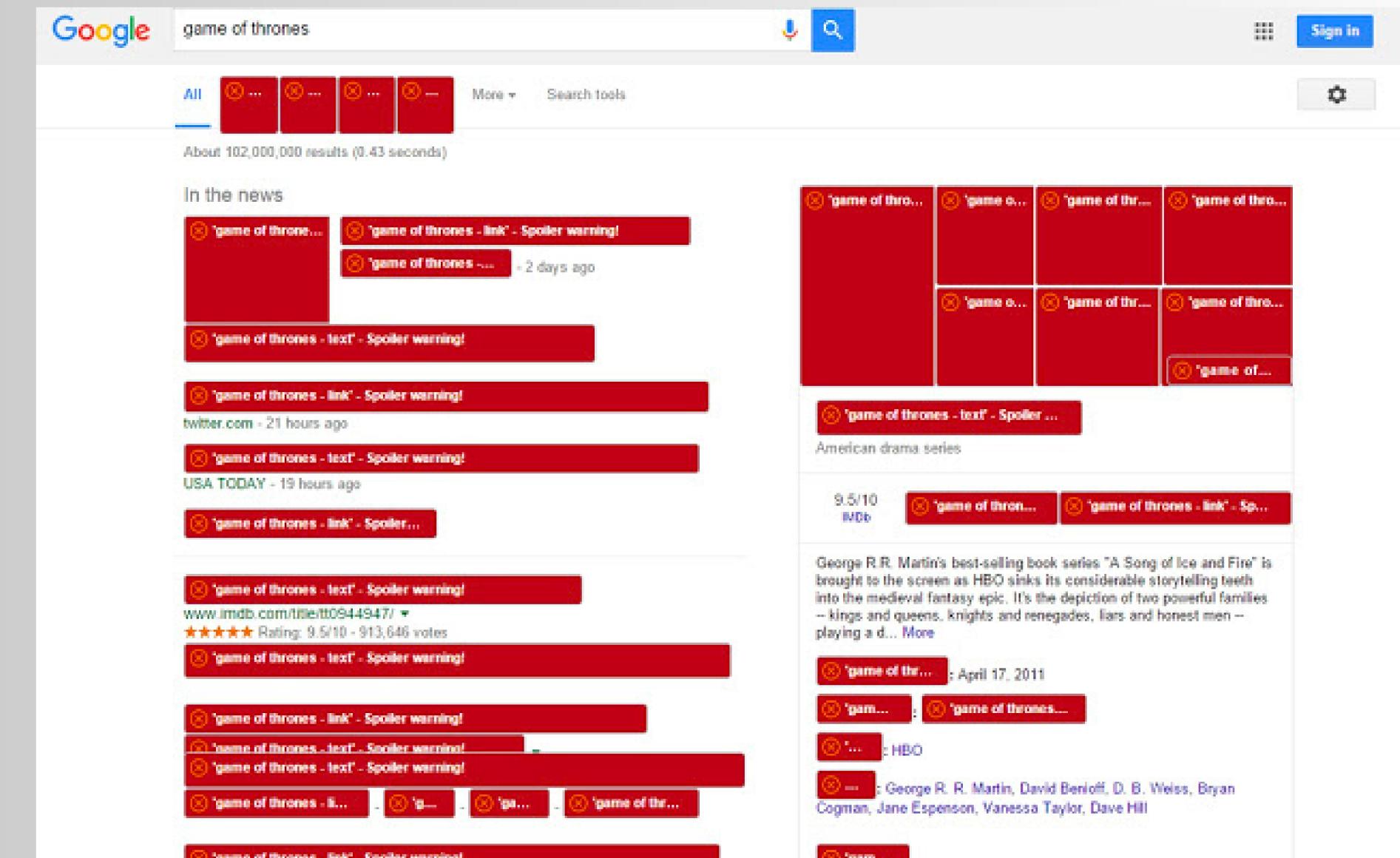
This is an organized collection of spoiler-related data like words, and phrases related to TV/film e.g. character names, popular quotes from the film, media, discussion topics of key scenes in the movie or TV, common spoiler phrases, etc.

A database is essential for this software because of the need to access, manage, and update spoiler content, new and old, some of which may arise from keyword filtering.

PROJECT OBJECTIVES

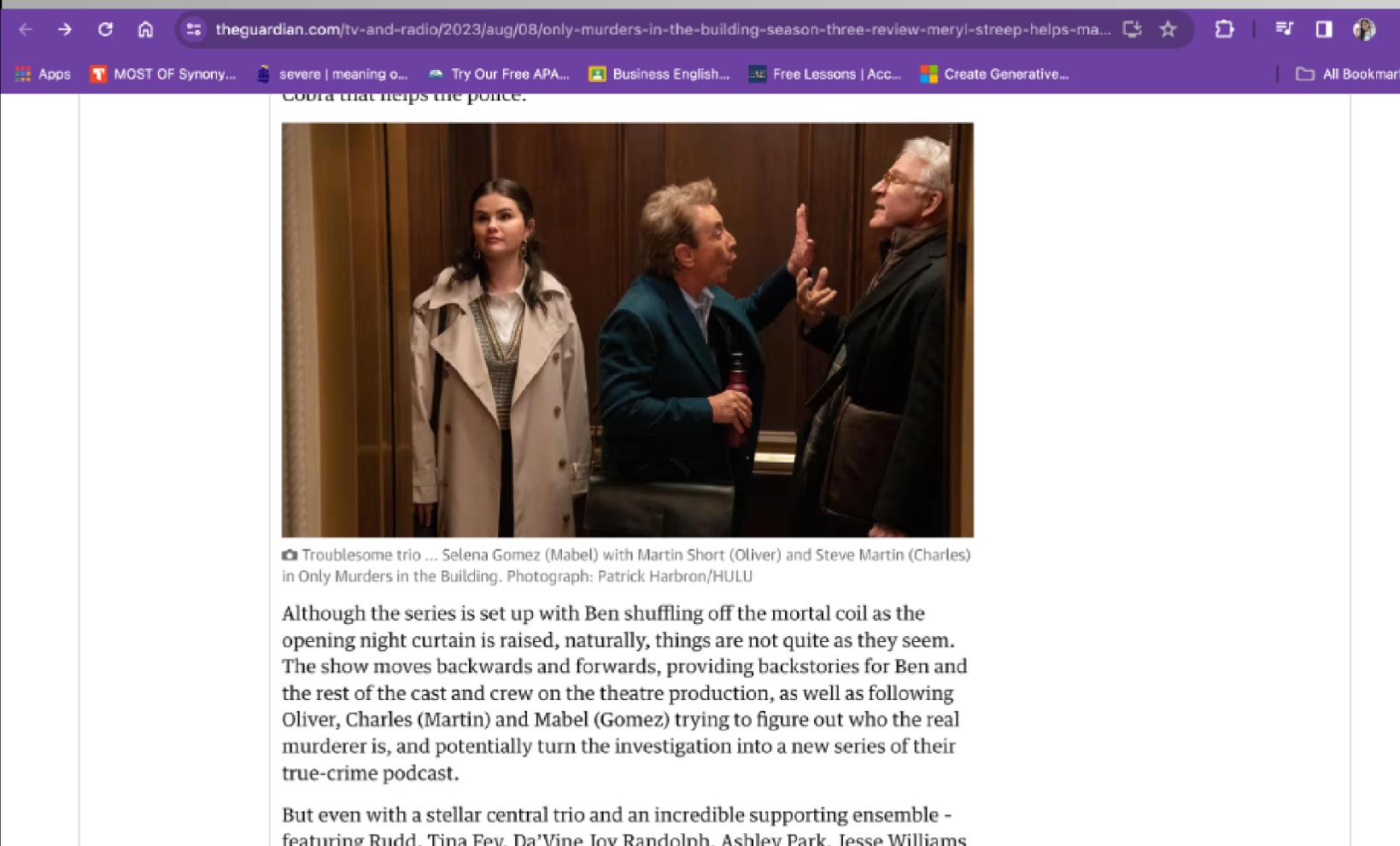
- Content replacement

Automatically replace detected spoilers with pre-selected images or texts, like pictures of cats or generic, spoiler-free messages.



PROJECT OBJECTIVES

- Content replacement based on key words.



the guardian.com/tv-and-radio/2023/aug/08/only-murders-in-the-building-season-three-review-meryl-streep-helps-m... ↗ ⚡ 🌐

All Bookmarks

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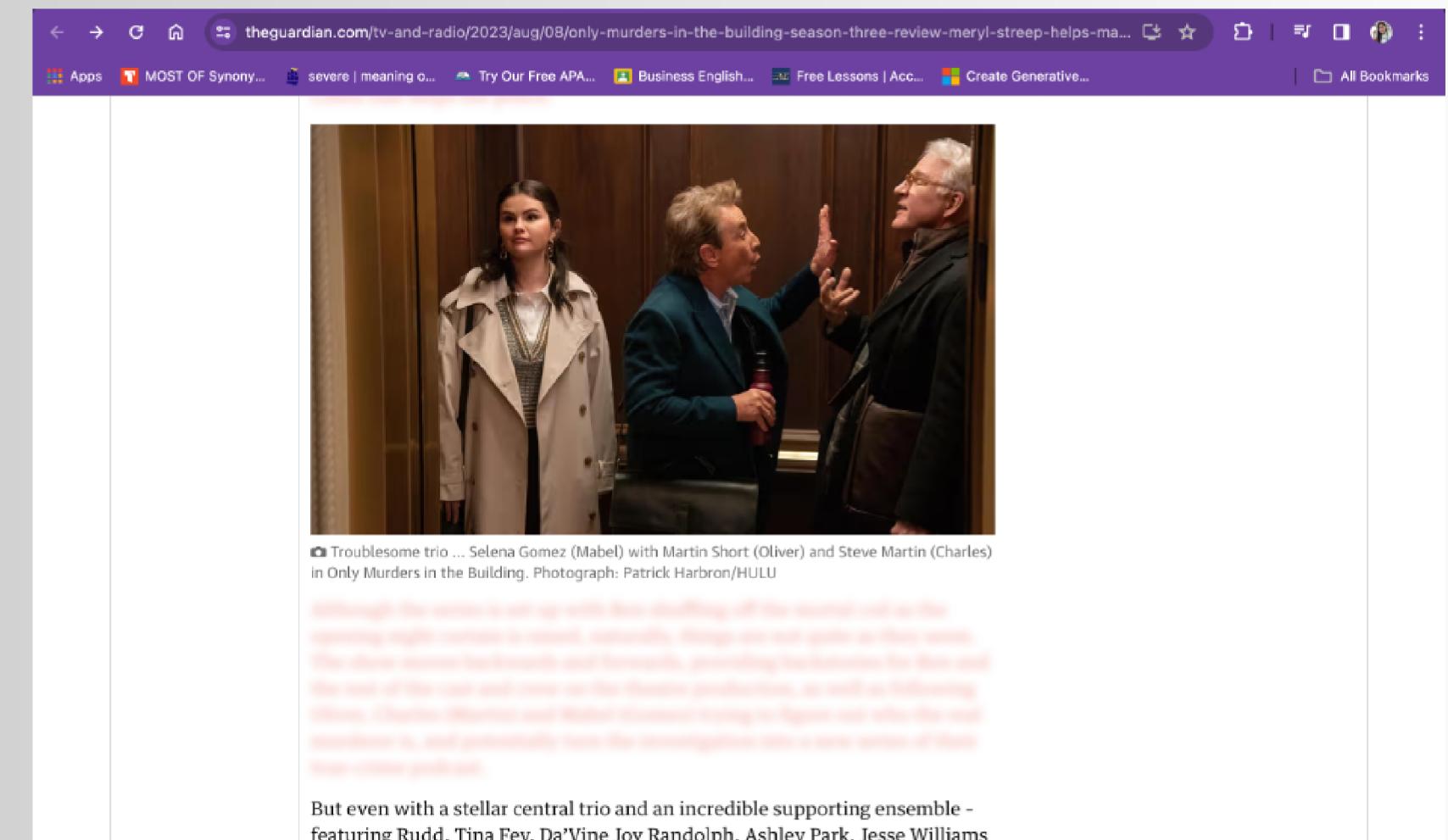
Cobra that helps the police.



Troublesome trio ... Selena Gomez (Mabel) with Martin Short (Oliver) and Steve Martin (Charles) in Only Murders in the Building. Photograph: Patrick Harbron/HULU

Although the series is set up with Ben shuffling off the mortal coil as the opening night curtain is raised, naturally, things are not quite as they seem. The show moves backwards and forwards, providing backstories for Ben and the rest of the cast and crew on the theatre production, as well as following Oliver, Charles (Martin) and Mabel (Gomez) trying to figure out who the real murderer is, and potentially turn the investigation into a new series of their true-crime podcast.

But even with a stellar central trio and an incredible supporting ensemble - featuring Rudd, Tina Fey, Da'Vine Joy Randolph, Ashley Park, Jesse Williams



the guardian.com/tv-and-radio/2023/aug/08/only-murders-in-the-building-season-three-review-meryl-streep-helps-m... ↗ ⚡ 🌐

All Bookmarks

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Cobra that helps the police.



Troublesome trio ... Selena Gomez (Mabel) with Martin Short (Oliver) and Steve Martin (Charles) in Only Murders in the Building. Photograph: Patrick Harbron/HULU

But even with a stellar central trio and an incredible supporting ensemble - featuring Rudd, Tina Fey, Da'Vine Joy Randolph, Ashley Park, Jesse Williams

PROJECT OBJECTIVES

Advanced Features

- Natural Language Processing (NLP)
Sentiment analysis model.

Classify and analyze the reviews or comments of other users on the internet.

These models utilize advanced algorithms to understand the underlying emotions, opinions, and attitudes conveyed in textual data.

PROJECT OBJECTIVES

Advanced Features

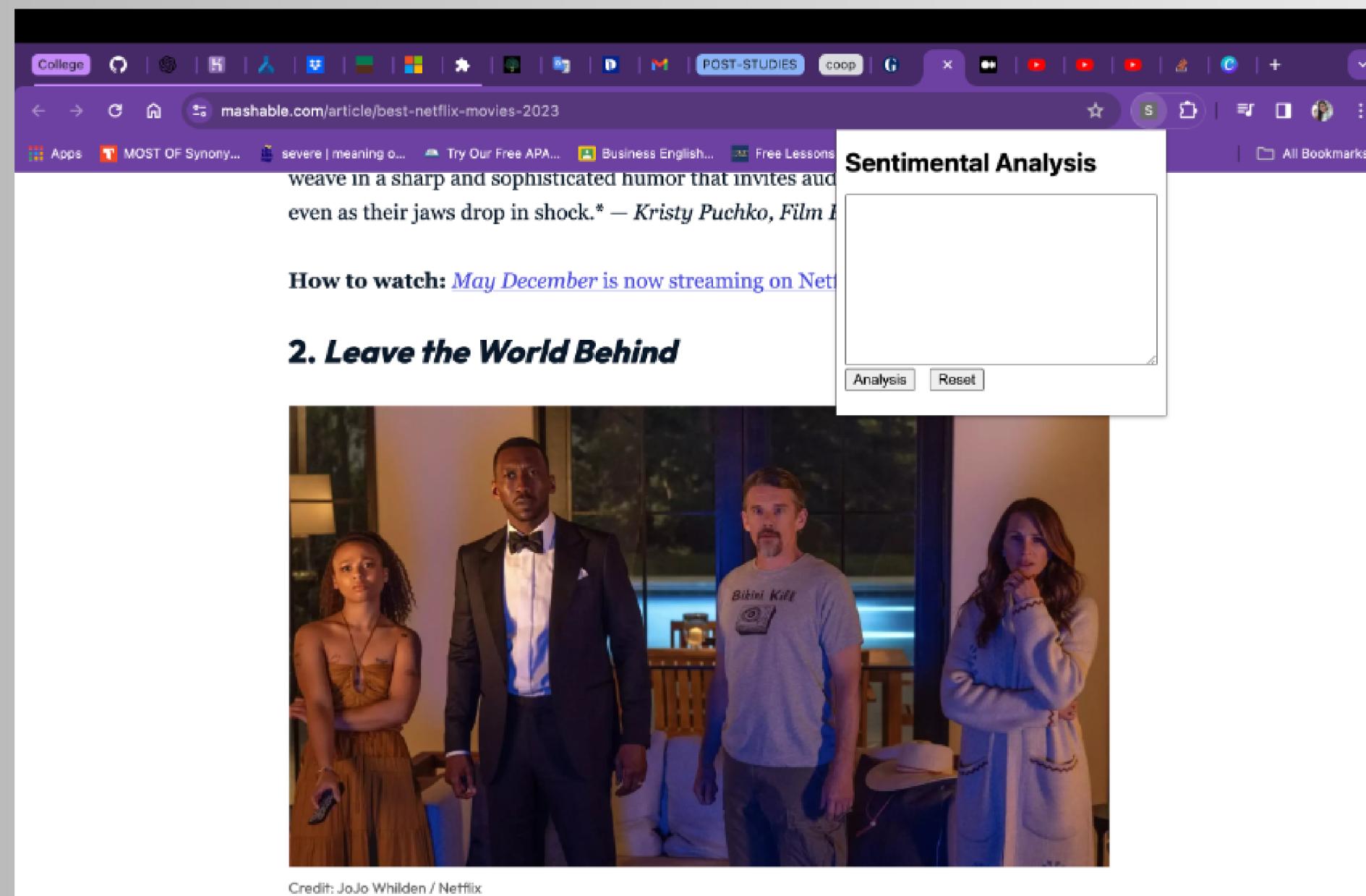
- Natural Language Processing (NLP)
Sentiment analysis model.

```
if (score < -0.8) {  
    sentiment = 'Extremely Negative';  
} else if (score < -0.5) {  
    sentiment = 'Very Negative';  
} else if (score < 0) {  
    sentiment = 'Negative';  
} else if (score === 0) {  
    sentiment = 'Neutral';  
} else if (score <= 0.5) {  
    sentiment = 'Positive';  
} else if (score <= 0.8) {  
    sentiment = 'Very Positive';  
} else {  
    sentiment = 'Extremely Positive';  
}
```

PROJECT OBJECTIVES

Sentiment analysis model.

- pop up.



PROJECT OBJECTIVES

Sentiment analysis model.

- Classification

The screenshot shows a web browser window with the URL mashable.com/article/best-netflix-movies-2023. A modal window titled "Sentimental Analysis" is displayed over the page. The modal contains a text excerpt from a review: "They'd have no clue what was going on – and wouldn't that be even scarier? That's more or less the main question running through *Leave the World Behind*, a patient thriller imbued with an oppressive sense of doom." Below the text is a small image of two people in a room. At the bottom of the modal are three buttons: "Analysis", "Reset", and "Negative 😞 😞". The background page discusses the Netflix movie *Leave the World Behind*.

If the world was really ending and communications systems were spotty, the average Joe wouldn't be in the war room with access to the latest crisis updates. They'd have no clue what was going on — and wouldn't that be even scarier? That's more or less the main question running through *Leave the World Behind*, a patient thriller imbued with an oppressive sense of doom.

Based on the Rumaan Alam novel of the same name and produced by the Obamas' Higher Ground production company, *Leave the World Behind* begins with Julia Roberts and Ethan Hawke bringing their Brooklyn family to a rental home outside the city for the weekend. Slowly, and with stark, disorienting cinematography, confusing events amass around them. An oil tanker's navigation fails, and it runs aground at their beach. A blackout forces the owners of the vacation house, Mahershala Ali and Myha'la, to ring the doorbell and ask to come home. Animals are acting strange. The

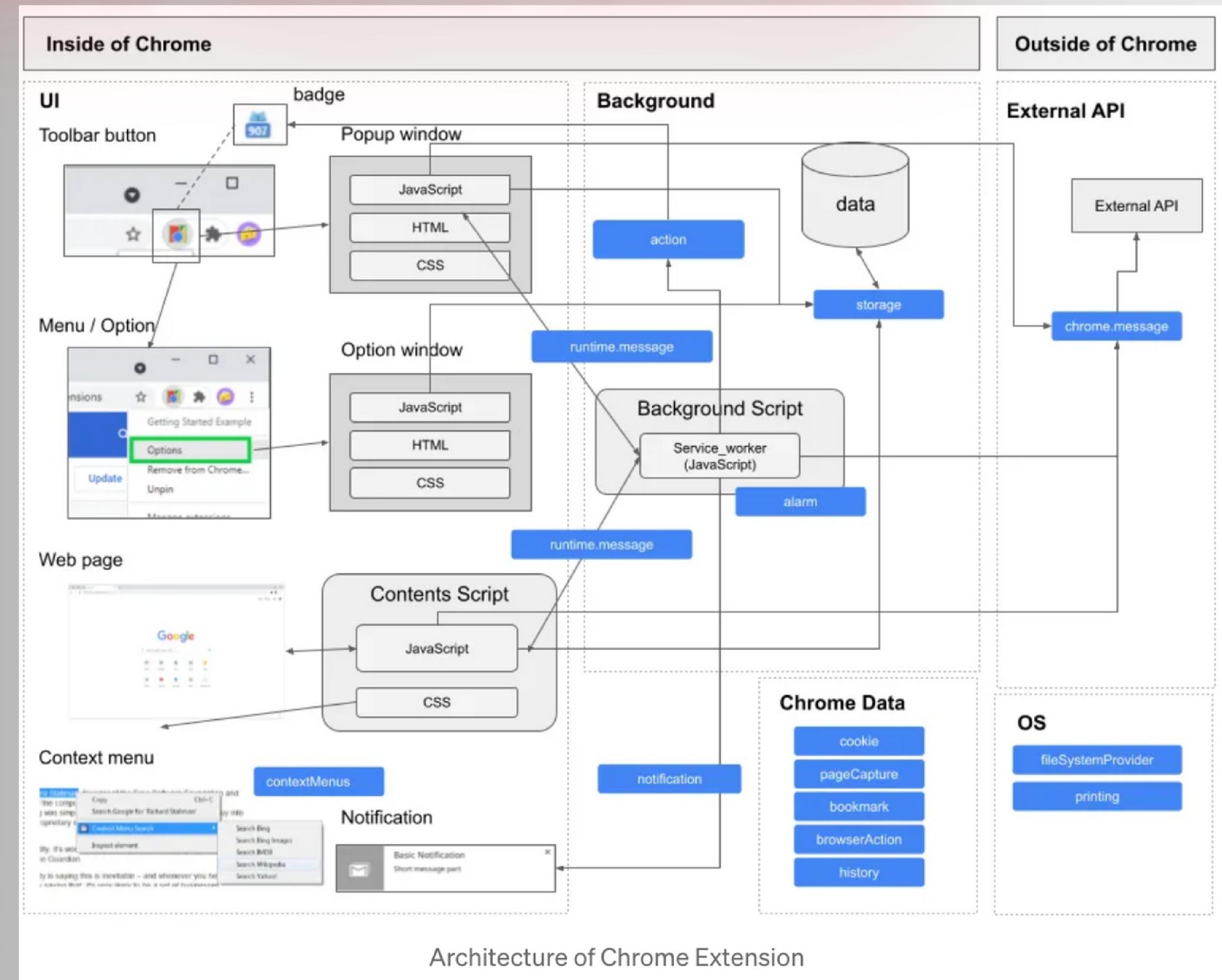
The screenshot shows a web browser window with the URL mashable.com/article/best-netflix-movies-2023. A modal window titled "Sentimental Analysis" is displayed over the page. The modal contains a text excerpt from a review: "Leo is surprisingly sweet for a Sandler movie (thanks to co-writer Robert Smigel!), and the Burr-Sandler banter never fails". Below the text is a small image of a terrarium with a tortoise. At the bottom of the modal are three buttons: "Analysis", "Reset", and "Positive 😊 😊". The background page discusses the Netflix movie *Leo*.

Leo is surprisingly sweet for a Sandler movie (thanks to co-writer Robert Smigel!), and the Burr-Sandler banter never fails. It's chaotic, charming, and frank — which is a refreshing quality for a kids movie. And did we mention it's a musical?

How to watch: *Leo* is now streaming on Netflix.

13. The Mother

TECHNICAL ARCHITECTURE

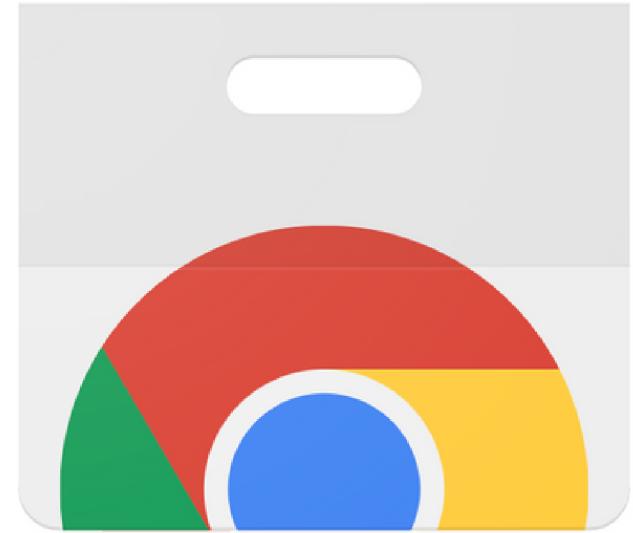


DISTRIBUTE EXTENSION

Chrome Web Store is an online marketplace for Chrome extensions and themes.

Chrome Web Store

An online marketplace where users can browse for extensions and themes. Publish your extension there and make it accessible to the world.



CLOUD SERVICE

- Integration with Chrome Extensions

Consider cloud services that seamlessly integrate with extension environments.

- Security and Compliance

Provide robust security features to protect your web application and user data.

- Cost-effectiveness

Evaluate the pricing structure of the cloud service and consider.

- Data Storage and Management

a cloud service that offers reliable and scalable data storage options suitable for web applications.



THANK YOU!

