

Quipper

CS283: Systems Programming

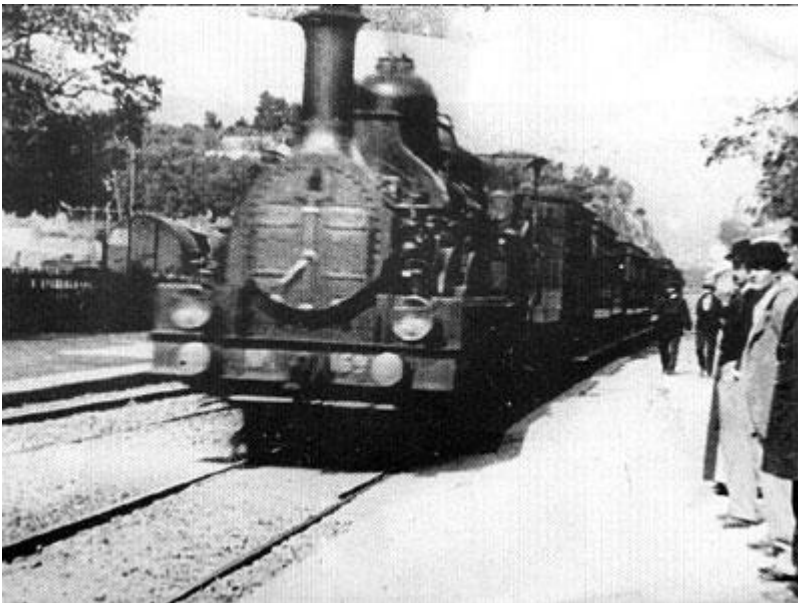
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Objectives

- Command line based interface to draw movie quotes/information
- Interacts with imdb.com using JSON or XML
- User inputs movie title
- Program will pull from a list of movies if there is no argument movie title and return a random quote/information

Why This is Necessary

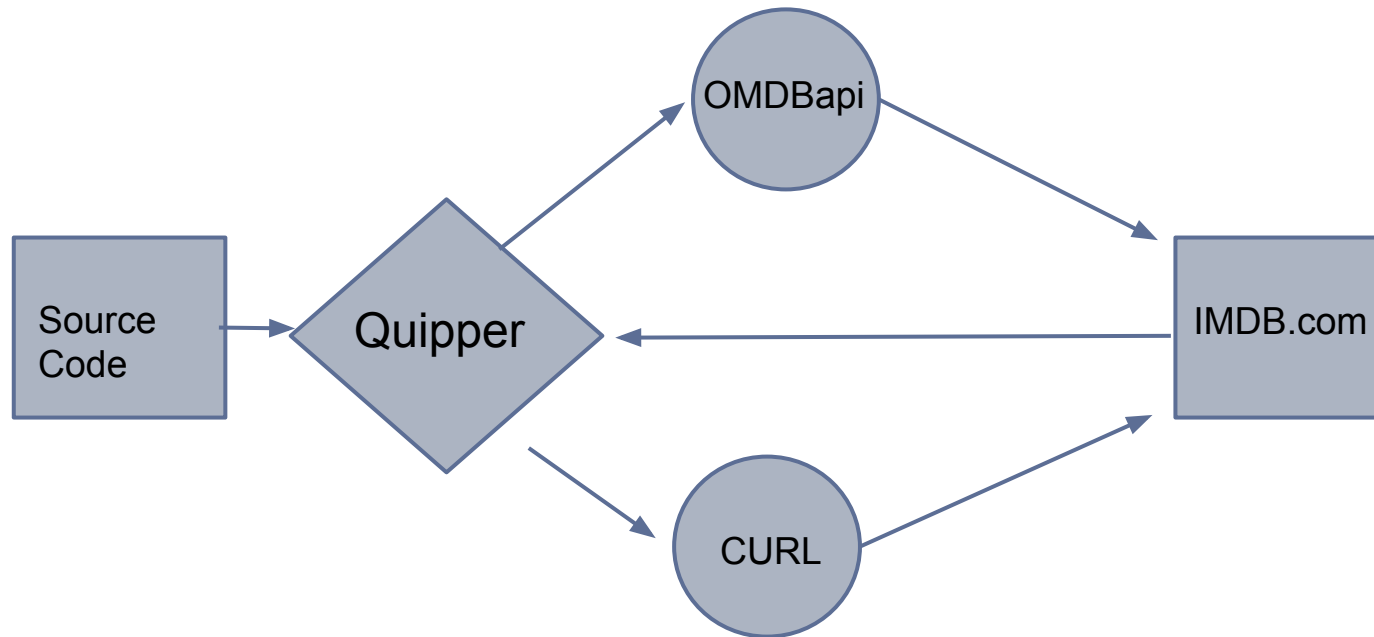
- First movie - 1878
- Movies contain wisdom relevant to everyday life
- Provides infinite insight for those in need and unparalleled amusement for movie buffs



- OMDB Api
- CURL
- IMDB.com
- C/gcc
- GitHub



Design Diagram



- OMDB provides a API that returns a JSON object based on as movie title from IMDB
- This Include important things such as IMDB Id, year, rating, links to photos and etc
- We used IMDB Id
- IMDB ID was gathered using this API and sent to the CURL method for quotes

- Returns an HTML parsing of the url supplied to CURL
- We output this raw HTML data into a text file
- The text file is then searched through to match the correct character string, and the quote is extracted from the HTML tags, and stored in an array of quotes.

Launch Screen

```
*****
----- Welcome to Quipper -----
*****
Which mode would you like to run?
 1) Enter movie title and retrieve quote
 2) Retrieve quote from random movie
 3) Quit
-- Your choice: █
```

Example output

```
Enter name of a movie to pull a quote from: The Boondock Saints
*****
Quote brought to you from The Boondock Saints
*****

  * *-----Ivan Checkov-----*
  * I am Ivan Checkov, and you will be closing now.
  *
  * *-----Murphy-----*
  * Checkov? Well, this here's McCoy. We find a Spock, we got us an away
  * team.
  *

Find another quote? [y/n]: █
```


Stay Tuned...

- Change UI
- Improve data returned
- Move away from relying on OMDB API
- Improve Efficiency
- Allow more data to be returned based on options

- <https://github.com/cdc67/Quipper>
- Equal labor spread across the team using repository control
- Public github with us as the 3 contributors



Questions?

Thank You :)!