



# IUG 24.

TOGETHER WE DRIVE INNOVATION

March 25 - 27, 2024 | Detroit, Michigan

## 2024 IUG Hackathon

*The IMDB "LUNK"*

Andew, Chase, Jason



## The Concept: Adding a link to IMDB



## The Tech Stack

- Polaris API
- “OMDB” API
- Relational Database
- A little PHP
- A little HTML

```
mirror_mod = m
set mirror object to mirror
mirror_mod.mirror_object
operation == "MIRROR_X":
mirror_mod.use_x = True
mirror_mod.use_y = False
mirror_mod.use_z = False
operation == "MIRROR_Y":
mirror_mod.use_x = False
mirror_mod.use_y = True
mirror_mod.use_z = False
operation == "MIRROR_Z":
mirror_mod.use_x = False
mirror_mod.use_y = False
mirror_mod.use_z = True

selection at the end -add
mirror_ob.select= 1
modifier_ob.select=1
context.scene.objects.active
("Selected" + str(modifier_ob.name))
mirror_ob.select = 0
= bpy.context.selected_objects
data.objects[one.name].select

print("please select exactly 1 object")

-- OPERATOR CLASSES --

types.Operator):
X mirror to the selected
object.mirror_mirror_x"
mirror X"

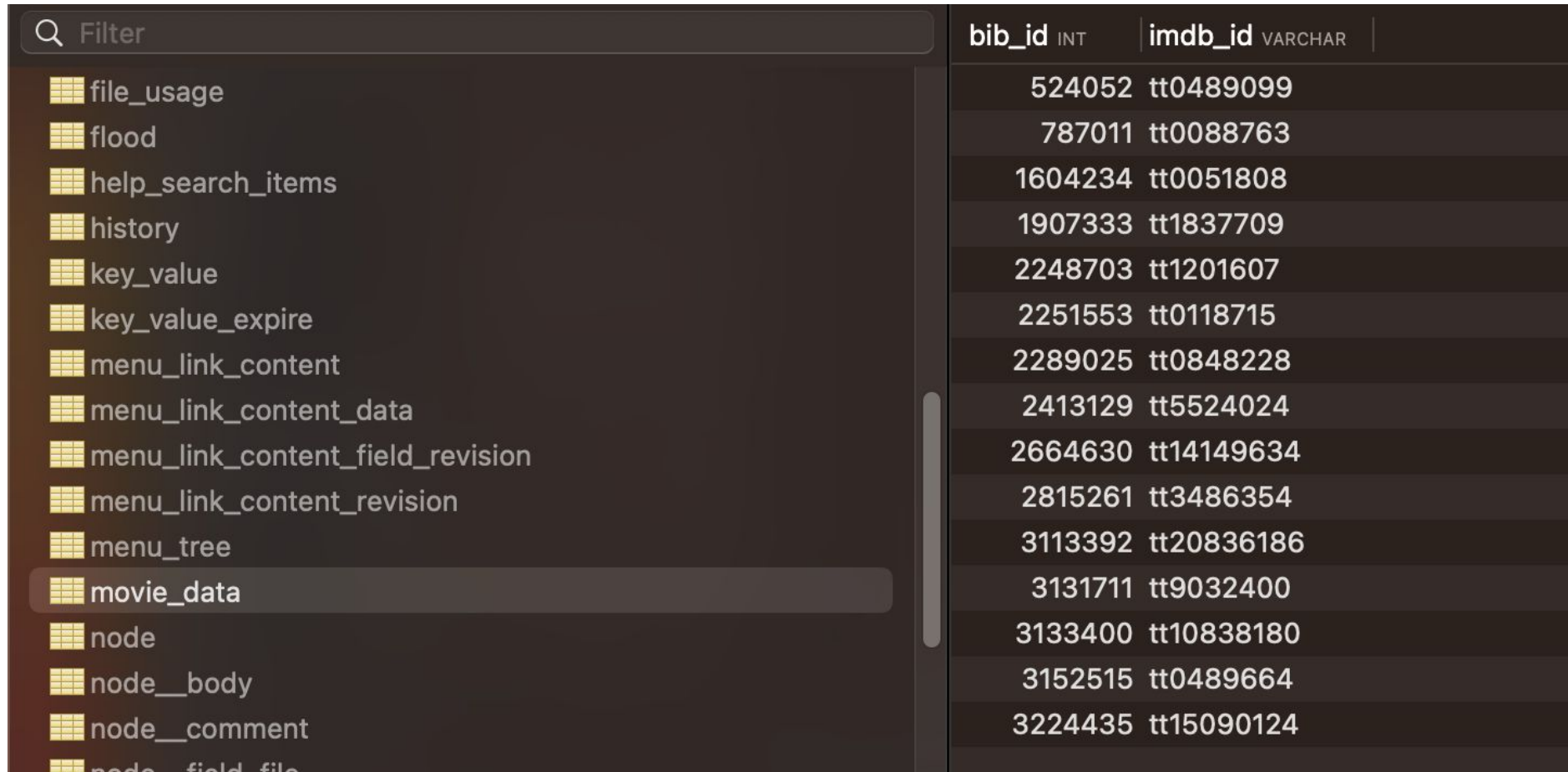
context):
context.active_obj
```

# OMDB API

- Could be IMDB, but this is open source
- Query the Title and Year retrieved via the Polaris API

```
{
  "Title": "Eternal Sunshine of the Spotless Mind",
  "Year": "2004",
  "Rated": "R",
  "Released": "19 Mar 2004",
  "Runtime": "108 min",
  "Genre": "Drama, Romance, Sci-Fi",
  "Director": "Michel Gondry",
  "Writer": "Charlie Kaufman, Michel Gondry, Pierre Bismuth",
  "Actors": "Jim Carrey, Kate Winslet, Tom Wilkinson",
  "Plot": "When their relationship turns sour, a couple",
  "Language": "English",
  "Country": "United States",
  "Awards": "Won 1 Oscar. 73 wins & 111 nominations total",
  "Poster": "https://m.media-amazon.com/images/M/MV5BMTY1NDU0NjUwOV5BMl5BanBnXkFtZTcwMzU0MzUwOQ@@",
  "Ratings": [
    {
      "Source": "Internet Movie Database",
      "Value": "8.3/10"
    },
    {
      "Source": "Rotten Tomatoes",
      "Value": "92%"
    },
    {
      "Source": "Metacritic",
      "Value": "89/100"
    }
  ],
  "Metascore": "89",
  "imdbRating": "8.3",
  "imdbVotes": "1,069,858",
  "imdbID": "tt0338013",
  "Type": "movie",
  "DVD": "12 Feb 2014",
  "BoxOffice": "$34,400,301",
  "Production": "N/A",
  "Website": "N/A",
  "Response": "True"
}
```

# The Database



The image shows a database management interface. On the left, a sidebar lists various database tables, with 'movie\_data' highlighted. On the right, a table view displays the data for 'movie\_data', showing columns 'bib\_id' (INT) and 'imdb\_id' (VARCHAR).

bib_id	imdb_id
524052	tt0489099
787011	tt0088763
1604234	tt0051808
1907333	tt1837709
2248703	tt1201607
2251553	tt0118715
2289025	tt0848228
2413129	tt5524024
2664630	tt14149634
2815261	tt3486354
3113392	tt20836186
3131711	tt9032400
3133400	tt10838180
3152515	tt0489664
3224435	tt15090124

## A little PHP magic...

```
$movieLinkID = '';
if($itemDetails->getFormat() == "DVD") {
    $movieData = $this->checkForMovieData($itemDetails->getControlNumber());
    if(empty($movieData)) {
        $movieData = $this->fetchMovieData($searchResult->getTitle(), $searchResult->
            getPublicationDate());
        if(!empty($movieData)) {
            $this->saveMovieData($itemDetails->getControlNumber(), $movieData);
        }
        $movieLinkID = $movieData->imdbID;
    }
    else {
        $movieLinkID = $movieData->imdb_id;
    }

    if(!empty($movieLinkID)) {
        $itemDetails->setIMDBLink("https://imdb.com/title/{$movieLinkID}");
        error_log($itemDetails->getIMDBLink());
    }
}
}
```

# The SILS Discovery/PAC



## Synecdoche, New York

DVD Published 2009

Availability: 2 of 2

ADD TO LIST

VIEW HOLDINGS

PLACE HOLD

### Item Details

Theater director Caden Cotard is mounting a new play. Determined to create a piece of brutal realism and honesty, he gathers an ensemble cast into a warehouse in Manhattan's theater district. He instructs each to live out their constructed lives in a small mockup of the city outside. As the city inside the warehouse grows, Caden's own life veers wildly off track. His daughter, Olive, is growing up under questionable guidance. He's helplessly driving his marriage to actress Claire into the ground. His daughter, Ariel, is mentally handicapped. He steadily blurs the line between the world of the play and that of his own deteriorating reality. As he pushes the limits of his relationships, both personally and professionally, a change in creative direction arrives in Millicent Weems, a celebrated theater actress who may offer Caden the break he needs.

#### Description:

1 videodisc (ca. 124 min.) : sd., col. ; 4 3/4 in

#### Target Audience Note:

14A

#### Notes:

English dialogue; closed-captioned  
 Philip Seymour Hoffman, Catherine Keener, Michelle Williams, Samantha Morton, Dianne Wiest, Emily Watson, Jennifer Jason Leigh, Hope Davis, Tom Noonan  
 Director of photography, Frederick Elmes ; editor, Robert Frazen ; music by, Jon Brion  
 Originally released as a motion picture in 2008  
 Special features: In and around Synecdoche, New York ; The story of Caden Cotard : in conversation with Philip Seymour Hoffman ; Infectious diseases in cattle : bloggers' roundtable ; Screen animations ; NFTS/Script factory masterclass with Charlie Kaufman  
 For private home use only  
 DVD, region 1, anamorphic widescreen (2.35:1) presentation; Dolby Digital 5.1 surround

#### UPC:

057373204528

#### Subjects:

Actresses -- New York (State) -- New York -- Drama  
 Fathers and daughters -- Drama  
 Man-woman relationships -- New York (State) -- New York -- Drama  
 Theatrical producers and directors -- United States -- Drama  
 Warehouses -- New York (State) -- Drama

#### Genre:

Comedy films  
 Feature films  
 Fiction films  
 Films for the hearing impaired

#### Other Authors:

Bregman, Anthony  
 Davis, Hope, 1967-  
 Hoffman, Philip Seymour, 1967-2014  
 Jonze, Spike  
 Kaufman, Charlie, 1958-  
 Keener, Catherine  
 Kimmel, Sidney  
 Leigh, Jennifer Jason, 1962-  
 Likely Story (Firm)  
 Morton, Samantha  
 Noonan, Tom  
 Projective Testing Service (Firm)  
 Russia, Inc. (Firm)  
 Sidney Kimmel Entertainment (Firm)  
 Sony Pictures Classics (Firm)  
 Sony Pictures Home Entertainment (Firm)  
 Watson, Emily, 1967-  
 Wiest, Dianne  
 Williams, Michelle, 1980-

### More Information



[Link to PAC](#)

🍅 62%

🍌 92%

✳️ 56%

🍅 64%

✳️ 12%



## IMDb LUNK 2.0

*Could also add Ratings from IMDb, Rotten Tomatoes, Metacritic*



## Other Ideas

- Video Game Progressive Enhancement via IGDB (or other APIs) Links





## Limitations



Limited to DVDs at the moment



Based on Title and Year Search so can have “false positives”



Limited to what is in OMDB (IMDB might provide better results)



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# THANK YOU

Questions?