# Creation of Heterogeneous XML Document Collections based on the Internet Movie Database

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#### Goal

- Motivation: Lack of large heterogeneous collections of XML data
- Until now: DBLP or INEX, large collections with homogeneous structure
- Problem: DBLP or INEX inadequate for similarity search
- Goal: heterogeneous collection of XML Document Collections

## What is IMDB?

- a rich source of information about movies and people involved in the movie business (actors, directors, editors, producers, etc.)

#### - contains:

- factual data (like birthday)
- textual data (like biography)

- Applying information from IMDB
- replace person (movie) names (titles) by their alternative names (titles). Example:

```
<movie id=,,195067"> <movie id=,,195067"> <movie id=,,195067"> <movie id=,,195067"> </movie> </movie id=,,195067"> <movie id=,,195067">
```

replace tag <movie> by tagsderived from genres (<thriller>, <drama>,etc.)

- Using different languages
- replace tags by their counterparts (e.g. <movie> by <film>)

```
<movie id=,,195067"> <film id=,,195067"> <film id=,,195067"> <title>Matrix Resolution, The</title> <title>Matrix resolution, The</title> <alt_title>Matrix 3, The</alt_title> <alt_title>Matrix 3, The</alt_title> </film>
```

- Different granularities
  - One XML document per year (location), listing some of the movies filmed then (there)

- Different granularities
  - One XML document for all movies with the same director

#### Examplediagram for Heterogeneous XML Documents

