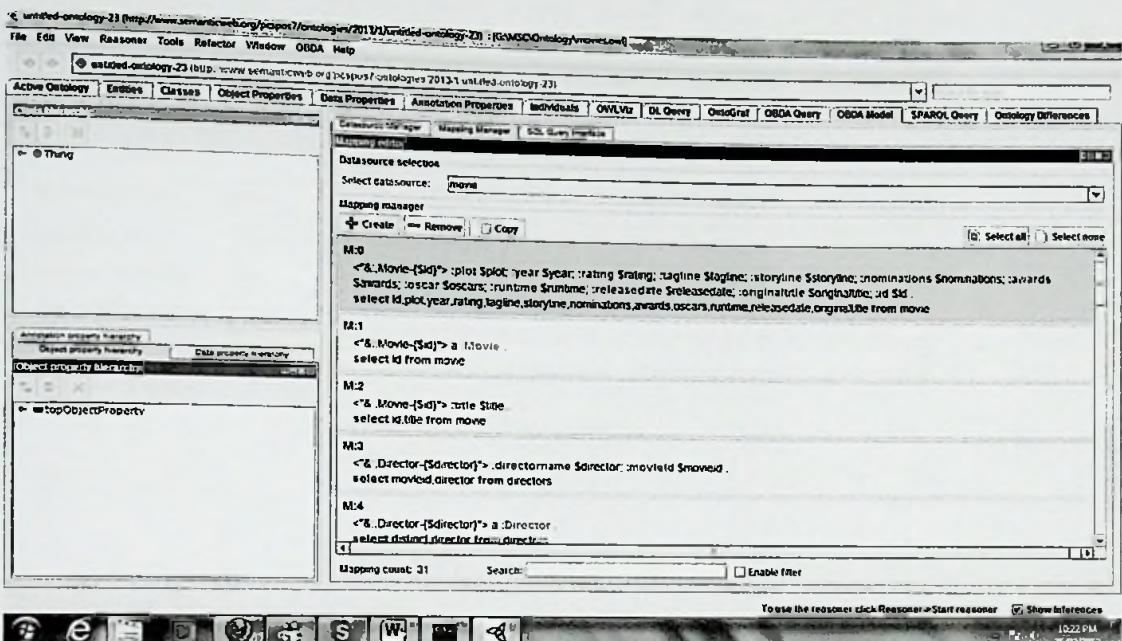


## **Reference**

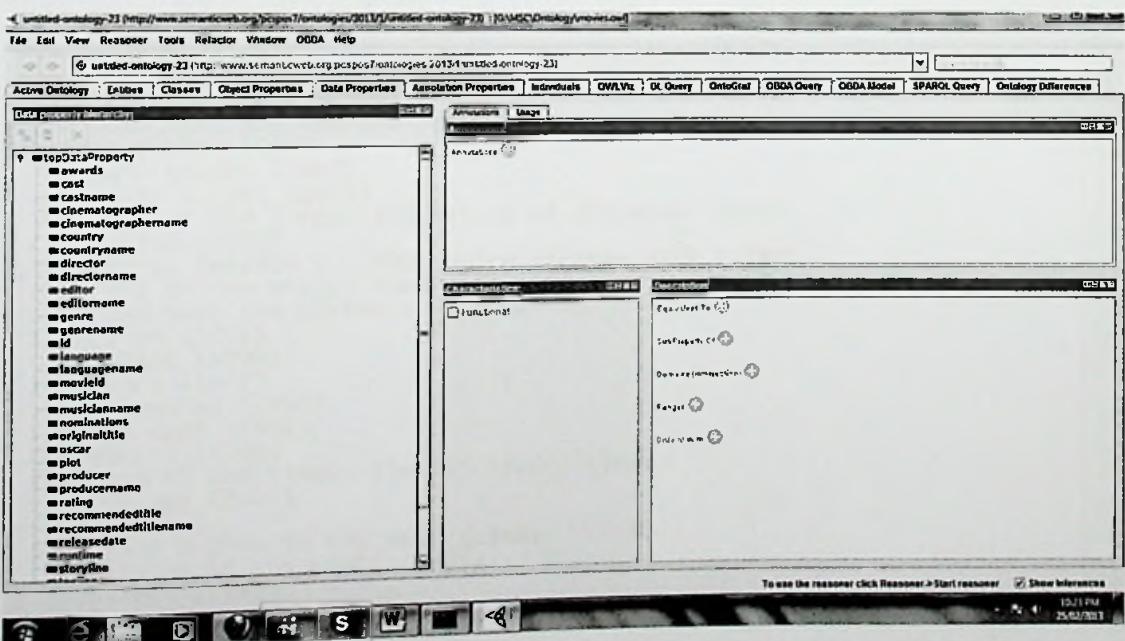
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## Appendix A

### Protégé interface



### Protégé interface with data property



## Protégé ontopro OBDA Model

The screenshot shows the Protégé OBDA Model interface. At the top, there are tabs for Data Properties, Annotation Properties, Individuals, OWLViz, DL Query, OntoGraf, OBDA Query, OBDA Model, and SPARQL. Below these are sub-tabs: Datasource Manager, Mapping Manager, and SQL Query Interface. A 'Datasource editor' tab is active. Under 'OBDA Model information', it says 'Number of sources: 1'. In the 'Connection parameters' section, the 'Datasource Name' is set to 'movie'. The 'Connection URL' is 'jdbc:mysql://localhost/movie'. The 'Database Username' is 'root' and the 'Database Password' is '\*\*\*\*\*'. The 'Driver class' is 'com.mysql.jdbc.Driver'. A 'Test Connection' button is present. The background of the interface is light grey.

## Sample text file for web crawler

The screenshot shows a Windows Notepad window titled 'movielist.txt'. The window contains a list of movie titles and their release years, separated by parentheses. The list includes: The Shawshank Redemption (1994), The Godfather (1972), The Godfather: Part II (1974), Pulp Fiction (1994), The Good, the Bad and the Ugly (1966), 12 Angry Men (1957), The Dark Knight (2008), Schindler's List (1993), The Lord of the Rings: The Return of the King (2003), Fight Club (1999), Star Wars: Episode V - The Empire Strikes Back (1980), The Lord of the Rings: The Fellowship of the Ring (2001), One Flew Over the Cuckoo's Nest (1975), Inception (2010), Goodfellas (1990), Star Wars (1977), Seven Samurai (1954), Forrest Gump (1994), The Matrix (1999), The Lord of the Rings: The Two Towers (2002), City of God (2002), Se7en (1995), Once Upon a Time in the West (1968), The Silence of the Lambs (1991), Casablanca (1942), The Usual Suspects (1995), Raiders of the Lost Ark (1981), Rear Window (1954), Psycho (1960), It's a wonderful Life (1946), Léon: The Professional (1994), Sunset Blvd. (1950), Memento (2000), American History X (1998), and Apocalypse Now (1979). The Notepad window has a standard title bar with icons for minimize, maximize, and close, and a scroll bar on the right side.

## Eclipse main interface

Java EE - ontology/src/com/plug/SuggestedList.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- mysys
- ontology
  - JAX-WS Web Services
  - Deployment Descriptor: ontology
  - Data Resources
  - src
    - com.plug
      - MovieList
      - MovieTela
      - MySerieJpa
      - SuggestedList.java
    - Libraries
    - JavaScript Resources
    - build
    - WebContent
    - Servers

SuggestedList.java

```
out.print(strTitle);
}

String strPeople = strPeople + "<div class='block'>";
strPeople += "people you may know</div>" + 
"/String query" + "SELECT DISTINCT tx FROM SELECT (tx a :Director, tx idirectorname tx.idirectorname WHERE tx.idirectorname IS NOT RECENTLY
Query" + "SELECT DISTINCT tx WHERE tx
" + "IS NOT RECENTLY
" + "SELECT DISTINCT tx WHERE tx a :Director, tx idirectorname tx.FILTER(tx
" + "IS NOT RECENTLY
" + "SELECT DISTINCT tx WHERE tx a :Producer, tx :producername tx.FILTER(tx
" + "IS NOT RECENTLY
" + "SELECT DISTINCT tx WHERE tx a :Writer, tx :writername tx.FILTER(tx
" + "IS NOT RECENTLY
" + "SELECT DISTINCT tx WHERE tx a :Cast, tx :castname tx.FILTER(tx
" + "IS NOT RECENTLY
" + "SELECT DISTINCT tx WHERE tx a :Musician, tx :musicianname tx.FILTER(tx
" + "IS NOT RECENTLY

Out.ResultSet people = GetOtherInfo(query);
while (people.nextRow())
{
    Object o = people.getDBObject(2);
    String para = o.toString().replace("'", "").replace(" ", "");
    strPeople += "<li><a href='/ontology/MovieList?query=" + para + "'>" +
```

Maven Dependencies Servers Data Sources Databases Tomcat v7.0 Server at localhost (Stopped)

0 items selected

