

Autorzy: Piotr Elsner, Łukasz Duda

Grupa: środa 17:00

SEMANTIC WEB

Sprawozdanie 6

Semantic Web Applications: Semantic Wikis

Semantic MediaWiki – Categories

<http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1700/lduda>

My name is Lukasz Duda. I am 23 years old.
Currently I study at AGH UST, faculty of electrical engineering.
I belong to group 17:00.
The other members of my group are: Piotr Elsner
[[category:Student]]

<http://loki.ia.agh.edu.pl/smw/index.php/AGH-UST/Subjects/MBAK>

Modelowanie biznesowe architektury korporacyjnej
[[Category: University subject]]

Semantic MediaWiki - Properties

My name is [[Name::Lukasz Duda]]. I am [[Age::23]] years old.
Currently I study at AGH UST, faculty of electrical engineering.
I belong to [[group::group1700|group 17:00]].
The other members of my group are: Piotr Elsner
[[category:Student]]

Modelowanie biznesowe architektury korporacyjnej
lead by: [[lead by::prof Jan Werewka]]
room: [[room::D6 201]]
duration: [[duration::90]] min
[[Category: University subject]]

Semantic MediaWiki - Inline queries

```
{{#ask: [[Category:Student]] [[Group::1700]]  
| ?Name  
| format=ul  
}}
```

```
{{#ask: [[Category:Student]] [[Group::1700]]  
| ?Name  
| ?Age  
| sort=Age  
| sort=Name
```

```
| format=table
| default=Wednesday 17:00: The group is empty
}}
```

Movie recommendation system

<http://loki.ia.agh.edu.pl/lokidev/filmy:incepcja>

~~NOCACHE~~

[[category:film|]]

Title: [[title:=Inception]]

Polish title: [[polish_title:=Incepcja]]

Production year: [[production_year:=2010]]

Director: [[director::people:christopher_nolan|Christopher Nolan]]

Cast:

[[main_role::people:leonardo_dicaprio|Leonardo DiCaprio]]

http://loki.ia.agh.edu.pl/lokidev/people:christopher_nolan

Christopher Jonathan James Nolan (born 30 July 1970), is a British/American film director, screenwriter and producer.

Filmography:

...

[[filmy:incepcja|Inception]]

...

Loki - Semantic Web Standards

Filmy po 2000 r:

```
[[category:user]]
```

```
production year>2000
```

```
<pl format="sparql">
```

```
PREFIX wiki: <>
```

```
SELECT ?movie ?title ?director ?production_year
```

```
WHERE {
```

```
  ?movie category "movie".
```

```
  ?movie wiki:title ?title.
```

```
  ?movie wiki:directed_by ?director.
```

```

?movie wiki:production_year ?production_year.
FILTER (?production_year > "2000")
}
ORDER BY DESC(?production_year)
</pl>

```

production year>2000

movie	title	director	production_year
movie:the_sunset_limited	The Sunset Limited	person:tommy_lee_jones	2011
movies:kingdom_of_the_crystal_skull	Indiana Jones and the Kingdom of the Crystal Skull	persons:steven_spielberg	2008
movies:katyn	Katyń	persons:andrzej_wajda	2007
movie:adams_aebler	Adams æbler	persons:Anders Thomas Jensen	2005
movie:three_burials_of_melquiades_estrada	Three Burials of Melquiades Estrada	person:tommy_lee_jones	2005
movie:kontroll	Kontroll	person:nimrod_antal	2003
movies:zemsta	Zemsta	persons:andrzej_wajda	2002

Loki - Reasoning

Wypisanie wszystkich filmów:

```

<pl goal="wiki_category(X,'movie'),write(X),nl,fail" scope="*"></pl>

```

Wypisanie filmów wyreżyserowanych przez tommy_lee_jones :

```

<pl
goal="wiki_category(X,'movie'),wiki_relation(X,directed_by,'person:tommy_lee_jones'),write(X),nl,fai
l" scope="*"></pl>

```