

Podstawy Inżynierii Wiedzy

Grupa:
wtorek 1600

Sprawozdanie 6

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2 Semantic MediaWiki – Categories

- **Paste the wiki page source (markup) in the report.**

<http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1600/tobiasz>

My name is Piotr Tobiasz. I am 23 years old.
Currently I study at AGH UST, faculty of applied computer science.
I belong to group 16:00. The other members of my group are:
[[Category:Student]]

- **Paste the wiki page source (markup) in the report.**

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

[[Category:University subject]]

3 Semantic MediaWiki - Properties

- **include the updated wikipedia source code (markup) in the report.**

<http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1600/tobiasz>

My name is [[name:: Piotr Tobiasz]]. I am [[age::23]] years old.
Currently I study at AGH UST, faculty of applied computer science.
I belong to group [[group:: 1600]]. The other members of my group are:
[[Category:Student]]

- **include the updated wikipedia source code (markup) in the report.**

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

lead by: [[lead by::prof Szuba]]
room: [[room::d13 318]]
duration: [[duration::90]] min

[[Category:University subject]]

4 Semantic MediaWiki - Inline queries

- **put the query in the report(list).**

```
{{#ask: [[Category:Student]] [[group::1600]]
| ?name
| format=ul
}}
```

- **put the query in the report(table).**

```
{{#ask: [[Category:Student]] [[group::1600]]
| ?name
| ?age
| default=99
| sort=age,name
| order=ascending,ascending
| format=table
| default=none
}}
```

6 Loki - Use Cases

- **copy the wiki pages sources and paste them into the report.**

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

Leon zawodowiec
Title: [[title:=Leon]]

```

**Production year**: [[production_year:=1994]]
**Country**: [[country:=France]]
**Director**: [[directed_by::person:Luc Besson]]
**Genre**: [[genre::genres:Crime]]
**Staring**:
[[starring::person:Gary Oldman]] - [[character::person:Norman Stansfield]]
[[starring::person:Jean Reno]] - [[character::person:Léon]]
[[starring::person:Natalie Portman]] - [[character::person:Matylda]]
**Langugage**: [[langugage:=english]]
[[category:movie]]

```

http://loki.ia.agh.edu.pl/lokidev/person:jean_reno

Jean Reno

Born in [[city::Casablanca]], [[country::Morocco]]. He is main character [[person::Léon]] in movie [[filmy:leon]]. He keeps homes in Paris and Los Angeles.

7 Loki - Semantic Web Standards

<http://loki.ia.agh.edu.pl/lokidev/user:tobiasz>

- **observe the results. Put the query into the report.** Wszystkie filmy Luc'a Besson

```

<pl format="sparql">
PREFIX wiki: <>
SELECT ?movie ?title ?genre ?directed_by
WHERE {
?movie category "movie".
?movie wiki:title ?title.
?movie wiki:genre ?genre.
?movie wiki:directed_by ?directed_by.
FILTER (?directed_by="person:Luc Besson")
}
</pl>

```

8 Loki – Reasoning

- **rekomendowanie thrillerów i „Leon zawodowiec”**

```

<pl goal="wiki_category(M, 'movie'),intr(M),write(M),nl,fail." scope="*">
intr(M) :-
wiki_attribute(M, title, 'Leon');
wiki_relation(M, 'genre', 'genres:thriller').
</pl>

```