

Sprawozdanie 6

Semantic Web Applications: Semantic Wikis

2 Semantic MediaWiki - Categories

4. Paste the wiki page source (markup) in the report.

<http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1400/pknap>

```
[[Category:Student]]  
My name is Paweł Knap. I am 23 years old. Currently I study at AGH UST, faculty  
of electrical engineering. I belong to group 14:00. The other members of my  
group are: Mateusz Kusibab.
```

6. Paste the wiki page source (markup) in the report.

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

```
[[Category:University subject]]
```

3 Semantic MediaWiki - Properties

1. Include the updated wikipage source code (markup) in the report.

```
[[Category:Student]]  
My name is [[name::Paweł Knap]]. I am [[age::23]] years old.  
Currently I study at AGH UST, faculty of electrical engineering.  
I belong to group [[group::group1400]]. The other members of my group are:  
Mateusz Kusibab.
```

2. Include the updated wikipage source code (markup) in the report.

```
[[Category:University subject]]
```

```
moj sabdzekt
```

```
lead by: [[lead by::mgr WTA]]
```

```
room: [[room::C3 221]]
```

```
duration: [[duration::45]] min
```

4 Semantic MediaWiki - Inline queries

2. Put the query in the report.

```
{{#ask: [[Category:Student]] [[group::group1400]]
| ?name
| format=ul
}}
```

3. Put the query in the report.

```
{{#ask: [[Category:Student]] [[Group::group1400]]
| ?age
| ?name
| sort = age, name
| order = ascending, descending
| format = table
| default = not set
}}
```

6 Loki - Use Cases

6.2.4. Copy the wiki pages sources and paste them into the report.

<http://loki.ia.agh.edu.pl/lokidev/cities:kiev>

Kiev is the capital and the largest [[category:cities|city]] of [[capital of::located in::plwikidev:countries:ukraine|Ukraine]] inhabited by [[inhabited by:=population:=2 797 553]] people. Kiev is located in [[located in::plwikidev:countries:ukraine|Ukraine]]. It's inhabited by about [[inhabited by:=population:=2 797 553|2.8 mln]] people. [[page created:=2011-06-10|]]

<http://loki.ia.agh.edu.pl/lokidev/countries:ukraine>

The Ukraine is a [[category:country]] in eastern [[placed_in::continents:europa|Europe]]. It has an area of [[area:=603 628 km^2|603 628 km²]]. Its population [[inhabited by:=population:=45 888 000|equals 46 mln]]. The [[language::languages:ukrainian|Ukrainian language]] is the official language in Ukraine.

[[page created:=2012-06-10|]]

7 Loki - Semantic Web Standards

4. Observe the results. Put the query into the report.

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

```
<pl format="sparql">
PREFIX wiki: <>
SELECT ?country ?area
WHERE {
    ?country category "country".
```

```
?country wiki:area ?area.  
}  
ORDER BY DESC(?area)  
LIMIT 3  
</p1>
```

8 Loki - Reasoning

4. Put the goal in the report.

Cities in Ukraine |
My Recommendations:

```
--NOCACHE--  
<p1 goal="wiki_category(X,'cities'),wiki_relation(X,'located  
in','countries:ukraine'), write(X), nl, fail." scope="cities" >  
</p1>
```