2 Semantic MediaWiki – Categories

2.1

http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group0800/jpabin

My name is Jadwiga Pabin. I am 22 years old.
Currently I study at AGH UST, faculty of electrical engineering.
I belong to group Sr0800. The other members of my group are:
[[Category:Student]]

2.2
http://loki.ia.agh.edu.pl/smw/index.php/AGH-UST/Subjects/TIPGK2012

[[Category:University subject]]

3 Semantic MediaWiki – Properties

3.1
My name is [[Name::Jadwiga Pabin]]. I am [[Age::22]] years old.
Currently I study at AGH UST, faculty of electrical engineering.
I belong to group [[group::8:00]]. The other members of my group are:
[[Category:Student]]

3.2
Teoria i Praktyka Gier Komputerowych
lead by: [[lead by::dr inż Paweł Skrzyński]]
room: [[room::D13 324]]
duration: [[duration::120]] min

[[Category:University subject]]

4 Semantic MediaWiki - Inline queries

4.1
http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group0800/jpabin

My name is [[Name::Jadwiga Pabin]]. I am [[Age::22]] years old.
Currently I study at AGH UST, faculty of electrical engineering.
I belong to group [[group::Group0800]]. The other members of my group are:

{{#ask: [[Category:Student]] [[group::Group0800]]
| ?Name
| format=ul

}}
[[Category:Student]]

4.2
My name is [[Name::Jadwiga Pabin]]. I am [[Age::22]] years old.
Currently I study at AGH UST, faculty of electrical engineering.
I belong to group [[group::Group0800]]. The other members of my group are:

{{#ask: [[Category:Student]] [[group::Group0800]]
| ?Name
| ?Age
| default=nobody found in [[group::Group0800]]
| sort=Age, Name
| order=asc, asc
| mainlabel=-
}}
[[Category:Student]]

6 Loki - Use Cases

6.1 Movie recommendation system

http://loki.ia.agh.edu.pl/lokidev/movie:london

[[category:movie|]]

{{:movie:london.jpg|}}

Title: [[title:=London]]

Genre: [[genre::genres:drama]], [[genre::genres:romance]]

Production year: [[production_year:=2005]]

Director: [[directed_by::persons:Hunter Richards]]

Cast: [[main_role::person:Jessica Biel]], [[main_role::persons:Jason Statham]]

Description: Jason Statham shows how good he is in [[language::languages:Cockney]].

Language: [[language:=English]]

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

[[Category:actor|]]

{{:person:jessica_biel.jpg|}}

Jessica Claire Biel was born in Ely, Minnesota. While growing up, Biel played soccer and also
trained as a gymnast. From 2000 to 2002, she attended Tufts University. Biel was cast in her first

top-billing role in [[movie::movies:The Texas Chainsaw Massacre]]. The film met with negative reviews but it was a commercial success, scoring the number-one spot in its opening week and going on to earn more than $80 million in the U.S. In 2003, Biel began work on the third installment of the Blade film series, [[movie::movies: Blade:Trinity]]. Almost immediately after finishing it in 2004, she headed to [[Country::countries:Australia]] to shoot the [[genre::genres:action-thriller]] Stealth.

7 Loki - Semantic Web Standards

http://loki.ia.agh.edu.pl/lokidev/users:jadwiga_pabin

```
[[category:person]]
Jadwiga Pabin likes:
<pl format="sparql">
PREFIX wiki: <>
SELECT ?movie ?genre ?title
WHERE {
  ?movie category "movie".
  ?movie wiki:genre ?genre.
  ?movie wiki:title ?title.
  FILTER (?genre=genres:drama)
}
ORDER BY DESC(?title)
</pl>
```

8 Loki - Reasoning

```
== My Recomendations ==

<pl goal="wiki_category(X,'movie'),wiki_attribute(X,'title',Y),wiki_relation(X,
'genre','genres:drama'),write(Y),nl,fail" scope="movie">
</pl>
```