

Instructions

The goal of this test session is to investigate the features and functionalities of *Aemoo* in terms of its usability.

Aemoo is a service that supports exploratory search over the Web. Through a simple keyword-based search interface, users can query *Aemoo* about the linking network of any entity, which is collected by aggregating knowledge from diverse sources such as the Linked Data, Wikipedia, Twitter, and Google News.

Our interest is to assess how much *Aemoo* supports users when performing typical exploratory search tasks, such as those relates to two particular categories:

- *Lookup activity*, which involves users in finding resources/data out from a large spectrum of interlinked information (e.g., the Web);
- *Searching to learn*, which involves users in multiple interactions with the system and requires cognitive processing and interpretation.

The test session is structured as follows:

- we first ask you to fill a questionnaire (found in the next page) about your background knowledge and skills in exploratory search tools, Linked Data and the Semantic Web [2 mins.];
- then we ask you to watch a tutorial video about how to use *Aemoo* [3:30 mins.];
- then, as a warm-up task, we ask you to use *Aemoo* to answer to a question about Barack Obama, in order to become confident with the tool, its interface and its navigation mechanisms [5 mins.];
- then, as the real test, we ask you to address five different tasks [max 10 mins. per task];
- finally, we ask you to fill out two questionnaires about your experience in using *Aemoo* to complete these tasks [10 mins.].

Pre-task questionnaire: backgrounds [2 mins.]

Name or nickname: _____

Occupation (professor/phd/etc.): _____

Country of affiliation: _____

**strongly
disagree**

**strongly
agree**

1 I have extensive experience in exploratory search

1	2	3	4	5

2 I have detailed knowledge of Wikipedia

1	2	3	4	5

3 I have detailed knowledge of DBpedia and related technologies (tools, SPARQL end-points, etc.)

1	2	3	4	5

4 I am an expert user of Aemoo

1	2	3	4	5

5 I am an expert user of some other ontology documentation tool (e.g., Visor or RelFinder)

1	2	3	4	5

6 I have extensive experience in Semantic Web and Linked Data technologies

1	2	3	4	5

7 I have detailed knowledge of Giuseppe Ungaretti

1	2	3	4	5

8 I have detailed knowledge of Dante Alighieri

1	2	3	4	5

9 I have detailed knowledge of Italo Svevo

1	2	3	4	5

10 I have detailed knowledge of Bertold Brecht

1	2	3	4	5

11 I have detailed knowledge of Barack Obama

1	2	3	4	5

Tasks [max XX mins.]

Tutorial video (3:30 mins.)

Please, go to the following link to have a brief introduction of Aemoo:

<http://www.youtube.com/watch?v=z8DthSL81Y>

Warm-up task (max 5 mins.)

Use Aemoo to answer to the following question:

What is the place of birth of Barack Obama?

Test tasks (max 10 mins. per task)

Use Aemoo and please record the answers to the following five tasks (remember: **ideally 5 mins, max 10 mins per task**):

1. What is Philip K. Dick?
2. What are Philip K. Dick's most relevant works?
3. Does there exist a relation between Dante Alighieri and Hawaii? If yes, please record it.
4. Does there exist a relation between Italo Svevo and Austria? If yes, please record it.
5. When are founded the universities where Bertold Brecht worked during his life?

Post-task questionnaire 1 [2 mins.]

**strongly
disagree**

**strongly
agree**

1 I think that I would like to use Aemoo frequently

1	2	3	4	5

2 I found Aemoo unnecessarily complex

1	2	3	4	5

3 I thought Aemoo was easy to use

1	2	3	4	5

4 I think that I would need the support of a technical person to be able to use Aemoo

1	2	3	4	5

5 I found the various functions in Aemoo were well integrated

1	2	3	4	5

6 I thought there was too much inconsistency in Aemoo

1	2	3	4	5

7 I would imagine that most people would learn to use Aemoo very quickly

1	2	3	4	5

8 I found Aemoo very cumbersome to use

1	2	3	4	5

9 I felt very confident using Aemoo

1	2	3	4	5

10 I needed to learn a lot of things before I could get going with Aemoo

1	2	3	4	5

Post-task questionnaire 2 [8 mins.]

1. How effectively did Aemoo support you in your tasks?
2. Did you respect all the imposed time constraints for solving the tasks? If you do not, please indicate the task(s) and the reason why you exceeded.
3. What were the most useful features of Aemoo to help you realise your tasks?
4. What were the main weaknesses that Aemoo exhibited in supporting your tasks?
5. Can you think of any additional features that would have helped you to accomplish your tasks?