

Simone Preite - Uni-ID: 3885035

Introduction to the Semantic Web

Worksheet 1: What is the Semantic Web?

Deadline: 16. October 2018, 13:00 h

Submit the solutions for the questions in a single pdf-file. Please write your name on top of this page.

Task 1: Questionnaire on e-learning platform "LernraumPlus"

Go to the LernraumPlus <https://lernraumplus.uni-bielefeld.de/course/view.php?id=2881> and login with your eKVV/BITS login. Fill out the short questionnaire on top of the page. The questionnaire is fully anonymous. The final page of the questionnaire shows the "magic word" that is the solution to this task.

Task 2: Read & Answer

Before answering the following questions, please read the *Scientific American* article *The Semantic Web* by Tim Berners-Lee. You find this article in the LernraumPlus.

1. What is the idea behind the Semantic Web?
2. '*Traditional knowledge representation systems [...] require everyone to share the same definition of common concepts*' (p.2).
In what way is the Semantic Web different?
3. On the Semantic Web, how would a system be able to differentiate useful information from false or misleading information?
4. What are URIs and what role do they play on the Semantic Web?
5. What role do ontologies play on the Semantic Web?
6. What is the purpose of agents? Think about technical challenges.
7. Do you think that the Semantic Web is feasible? Can you think of problems that may compromise this idea?