

Exercises for the Lecture Techniques in Artificial Intelligence

Applications in *Artificial Intelligence*



With the *Apple iPhone 4S*, an AI system named *Siri* was introduced into the commercial market.

1. Describe the system in one sentence.
2. Characterize the system with respect to the following issues:
 - (a) What is the problem that the system solves? What are its capabilities?
 - (b) Why is it difficult to solve that problem?
 - (c) Analyze the possible structure of the system roughly and consider possible subproblems that are to be solved. Create, if necessary, a diagram depicting the structure and answer the following questions:
 - What are the outputs that are to be generated based on which inputs?
 - Are there any learning or reasoning mechanisms being applied?
 - What kinds of knowledge or which resources are needed for its implementation?
 - (d) To what degree can the system be regarded as “intelligent”?
3. Consider the following questions:
 - (a) In what development stage is the system currently?
 - (b) What are possible social/economic effects of large scale application of the system.

You can use the following resources for an initial research:

- http://en.wikipedia.org/wiki/Siri_%28software%29
- <http://www.ai.sri.com/pubs/files/1666.pdf>
- <http://tomgruber.org/writing/Siri-SemTech09.pdf>
- <http://vimeo.com/5424527>