Ontology Editing Tools: State of the Art

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Ontology Editing Tools: State of the Art
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Abstract:
Ontologies have become an increasingly important research topic. This is a consequence of their usefulness in a range of application domains and the pivotal role they are set to play in the development of the Semantic Web. Ontologies aim at acquiring domain knowledge in a standardized manner and provide a commonly agreed understanding of a domain, which may be reused and shared across groups and applications. Adopting standards facilitates agents to cooperate with one another more efficiently and ultimately developers can build intelligent systems that can understand each other more thoroughly [1]. Hence, the goal of this paper is to present a comparative view of 11 editing tools based on functionalities that will be discussed at length in subsequent sections. We will describe essential functionalities identified in the literature, present our findings and suggestions for future research endeavors.