Semantic enrichment of industrial standards
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Problem: Industrial standards are published as unstructured textual documents that propose regulations and norms for all stages of products life-cycle. In the product design phase, this means that a designer needs to go through entire document to ensure that his solutions are in accordance with all regulations. Depending on complexity of the product this procedure can be extremely time consuming. For this reason, we propose semantic enrichment of industrial standards that leads to automated system for design solution monitoring

Plan:

1. Study theory of ontology, domain capturing and concepts and relations modeling
2. Study Protege tool and SWRL syntax and developers environment
3. Study industrial standard example and model an ontology for a given domain
4. Implement set of rules and show reasoning examples

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