Actionable Knowledge Representation

Exercise #2

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1 Created Ontology

We have created an ontology containing our project (Rehab.rdf). The webscraper can be found in webscrapper.py. The updated version of the ontology, where subclasses of the Exercise class are scraped can be found in Scraped_Rehab.rdf. We had to manually add the class „Strengthening" since there was a mistake in the source code of the scraped site.

2 Competency Questions

2.1 Selection Questions

- Which exercises help with which symptom?

- What symptoms have which diseases?

- What difficulty has the exercise?

- What type of exercise helps relieving which disease?

2.2 Binary Questions

- Does the exercise relieve the specific symptom?

- Does the symptom belong to the disease?

2.3 Counting Questions

- How many exercises are there that relieve a symptom?

- How many symptoms does a disease have?

- How many exercises are there for a certain muscle group?