

BA: Structured Extraction of Terms and Conditions from German and English Online Shops

Tobias Schamel, 26th Apr 2021, KickOff Presentation (Advanced Seminar)

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1. Motivation

2. Research Question

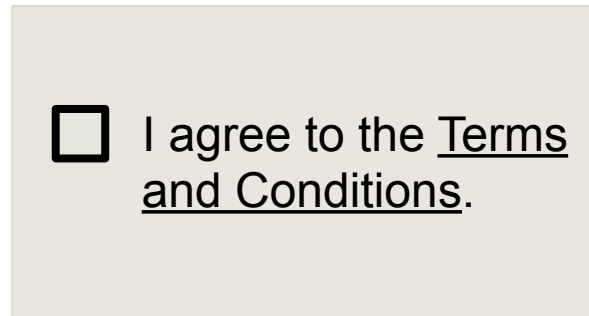
- Context in AGB Check

3. Solution Approaches

4. Timeline

Whom of you did ever read the Terms and Conditions when buying products online?

- no standard solutions for parts of the NLP pipe (structured extraction from websites)
- structured extraction is needed in legal documents to allow the drawing of conclusions later in the pipe
 - no existing solutions for structured & hierarchical extraction of T&C



0.1% to 0.2% of customers
read T&C in online shops

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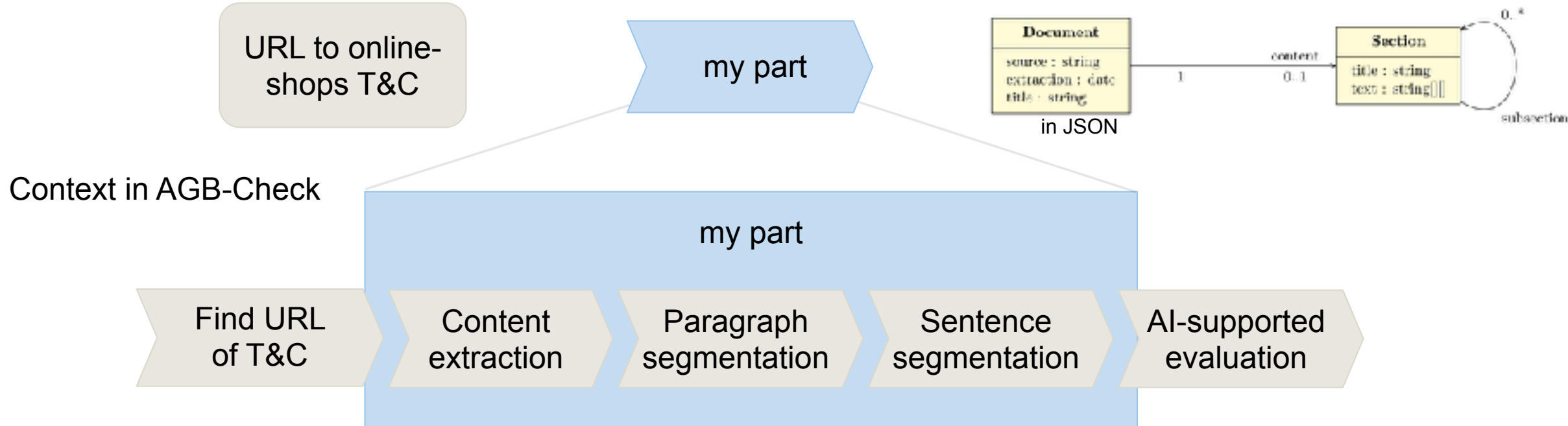
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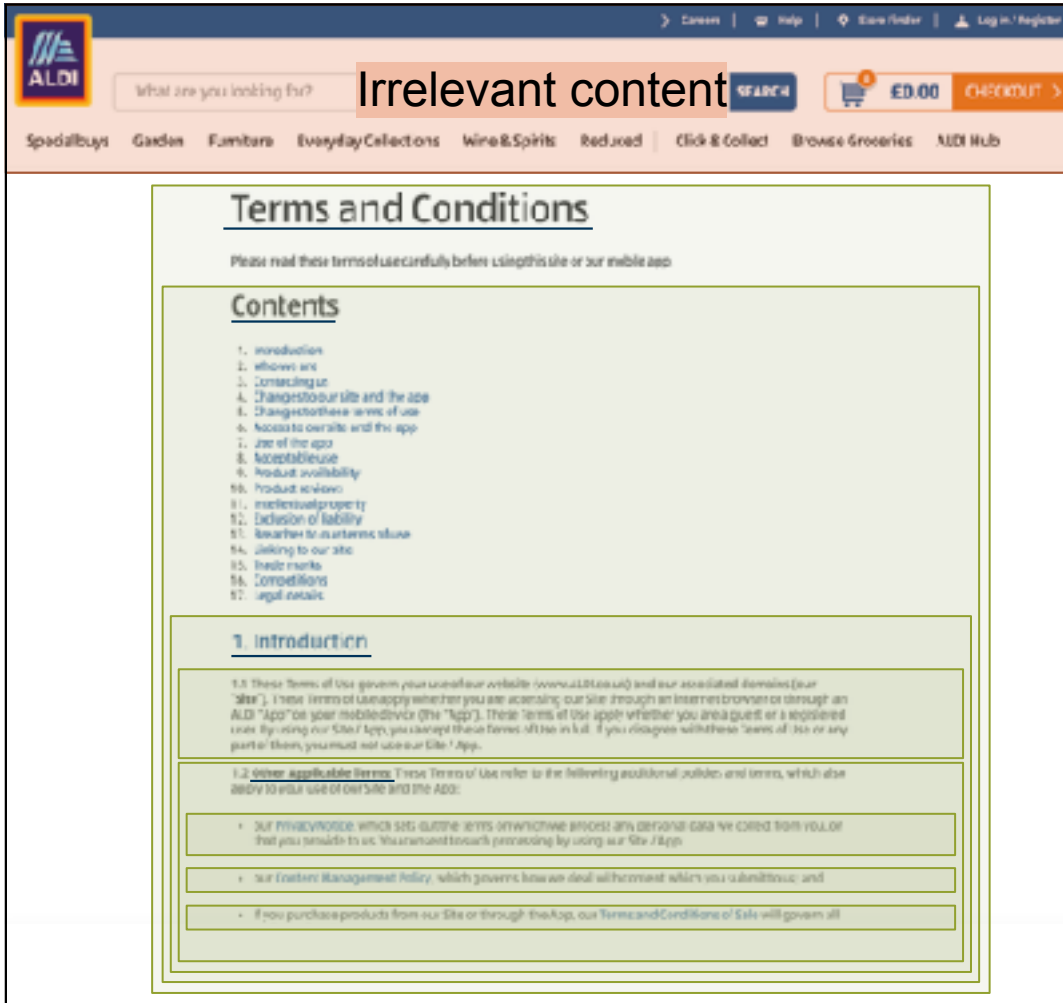
Research Question (Context in AGB-Check)

- RQ1: What are special requirements for the extraction of contracts in comparison with *regular* content?
- RQ2: How to extract the relevant parts from contracts in raw html?
- RQ3: How to handle certain characteristic elements (avoid classification as main content)?
- RQ4: How to extract structure and hierarchy of paragraphs, (sub-)titles and related clauses?
 - Which existing HTML and CSS properties provide useful information and can be used to structure the content?



Research Question (Context in AGB-Check)

▪ Example



Terms and Conditions of Aldi UK, 210325



excerpt of parsed T&C

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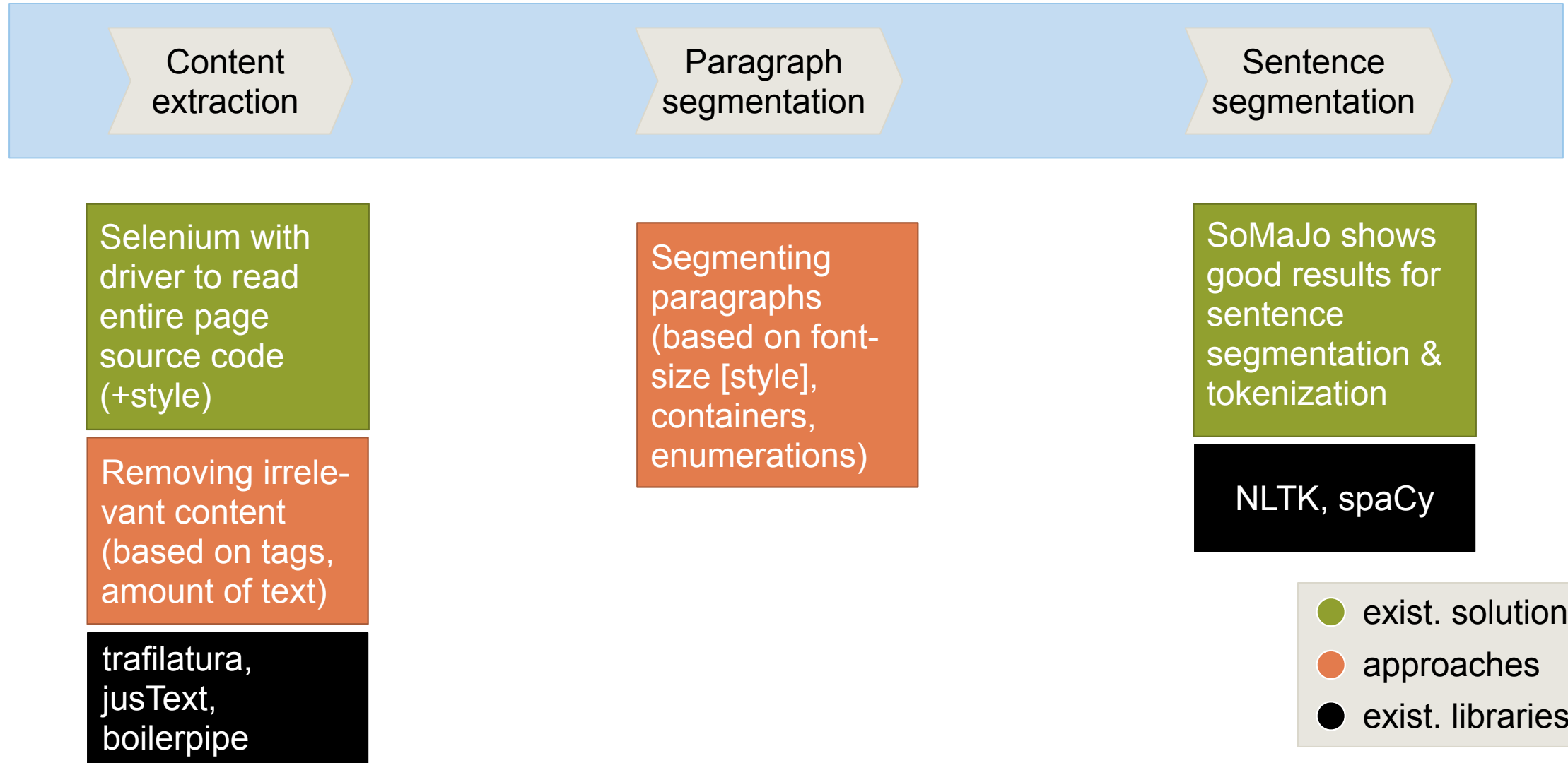
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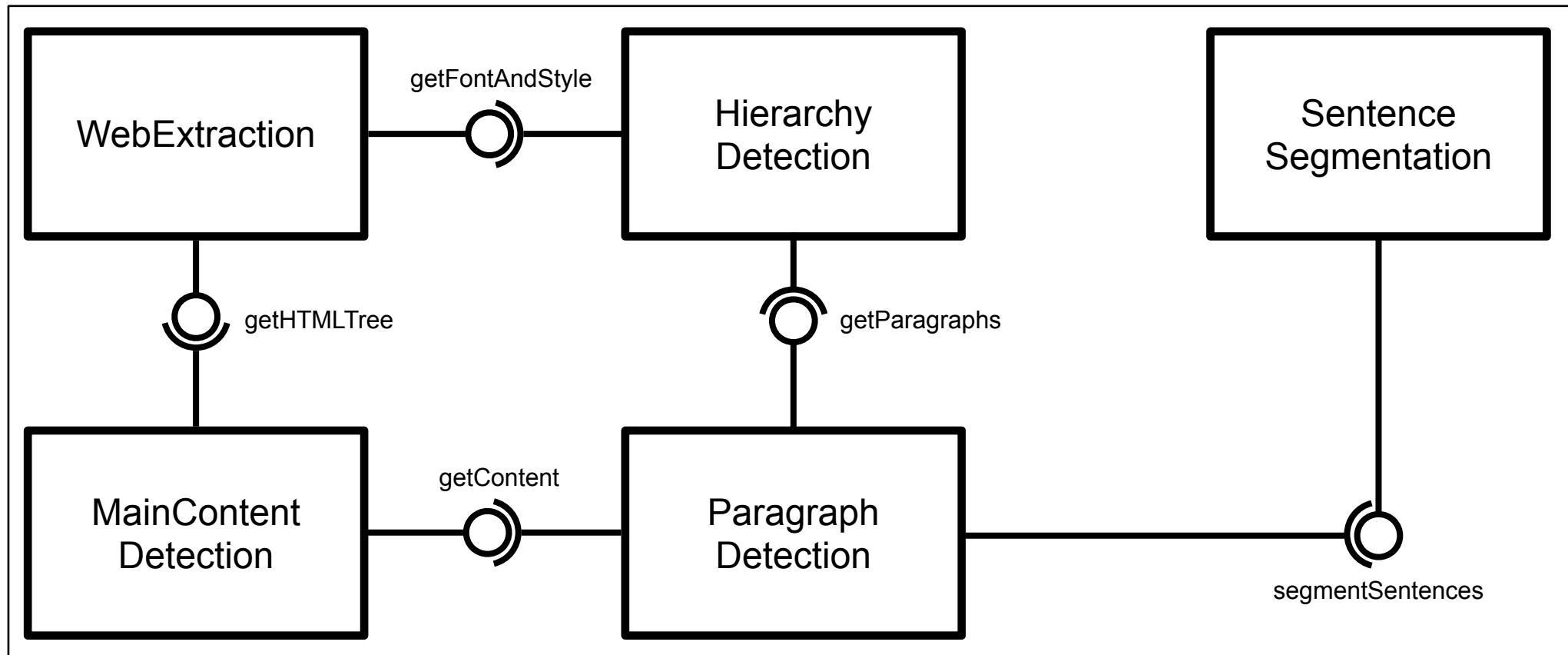
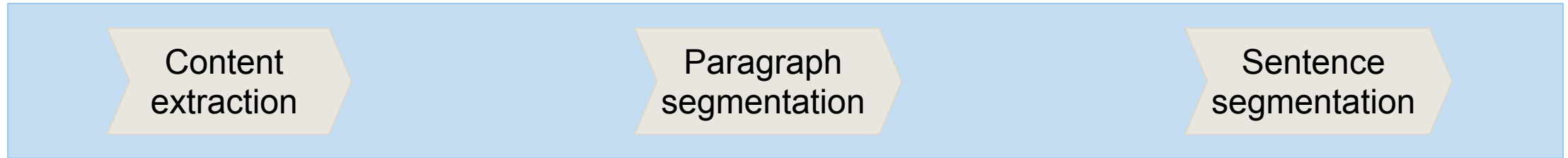
4. Timeline

Solution Approaches



[[SoMaJo](#)]Proisl, T., Uhrig, P.: SoMaJo: State-of-the-art tokenization for German web and social media texts

[[github](#)]boilerpipe (Canola & Article); [[github](#)]trafilatura; [[github](#)]jusText; [[github](#)]selenium; [[github](#)]NLTK; [[github](#)]spaCy



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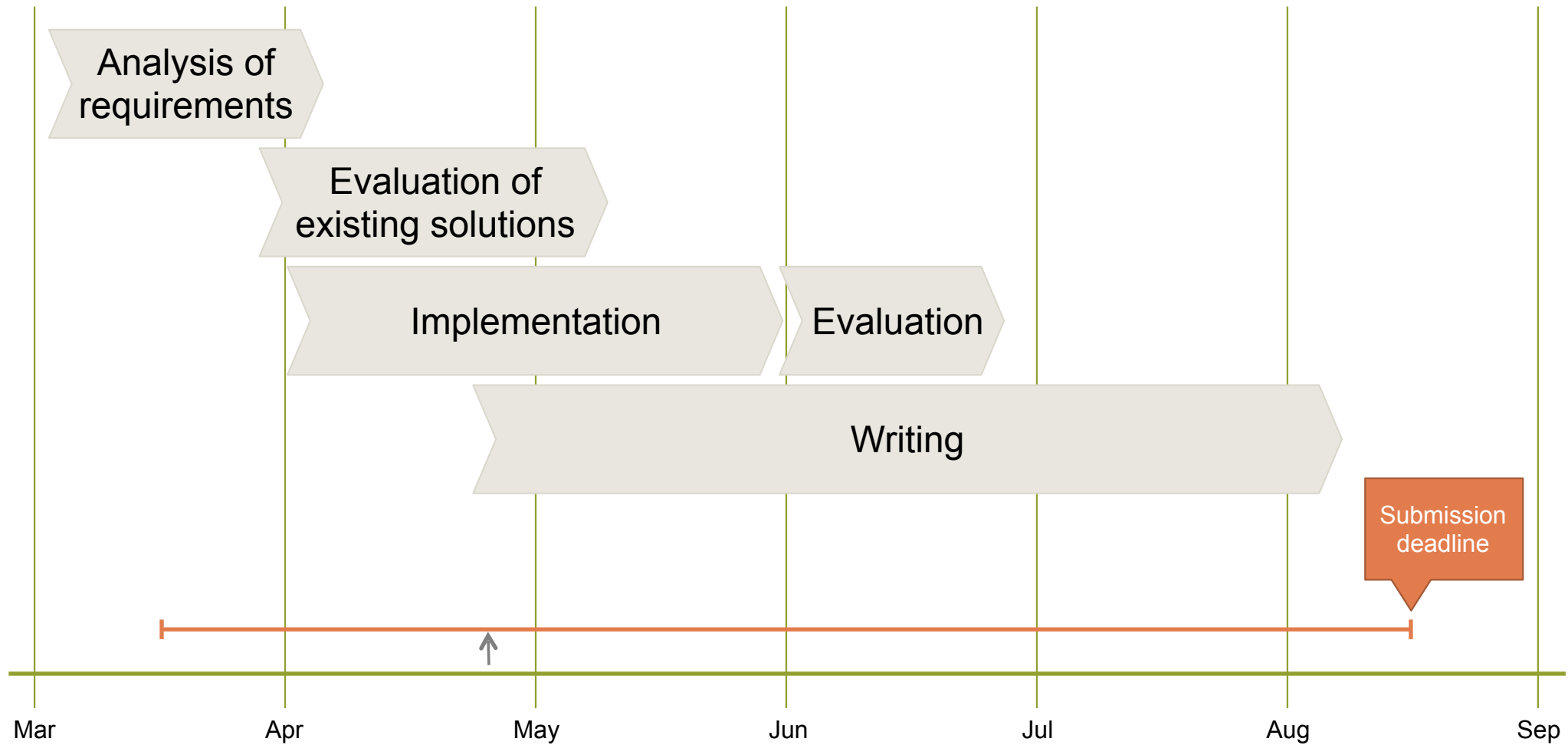
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