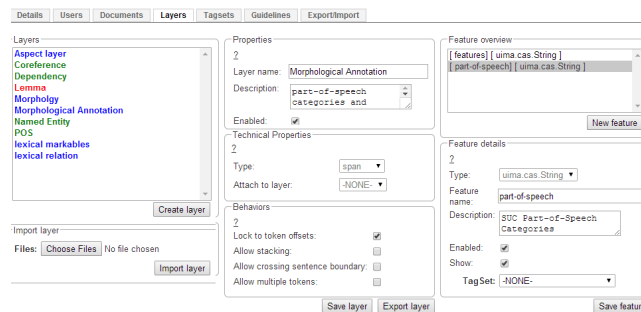




Advanced WebAnno

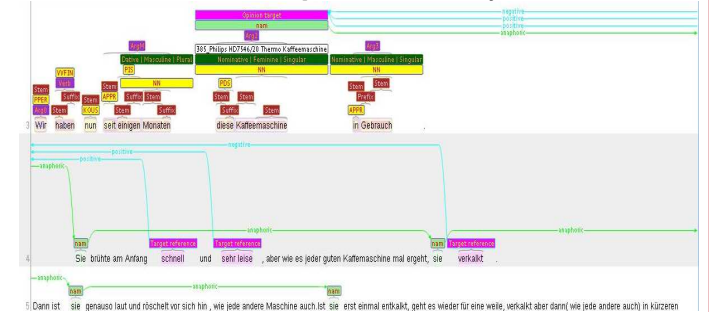
- Web-based annotation tool
- Custom annotation layer definition
 - Span, relation, and chain layers
 - Easy to configure
- Automatic annotation suggestion
 - Built-in ML tool – MIRA
 - Incremental automation
 - Rapid annotation convergence
- Export annotations
 - TSV format - easy to process
 - XMI - comprehensive

Defining Custom Layer



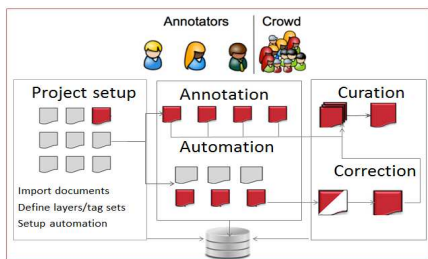
- Generalized architecture
- Customizable annotation layers
- Multiple features
- Configurable behaviors
- Attach tag set or use free text

Annotation with multiple custom layers



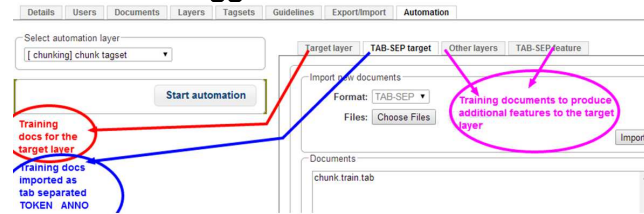
- Different colors for different tokens, and multiple token annotations
- Annotate tokens, sub-sentence relation annotation

Work flow



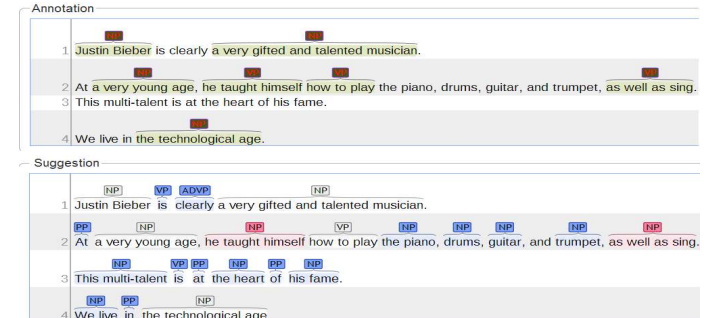
Define projects as annotation, correction or automation type. Users annotate based on layers and tag sets. Special user “curator” merges redundant annotations. Train with curated documents to produce sequence classifier using built-in ML tool. Users correct automation result. Monitor progress & agreement.

Automation suggestion with built-in ML tool



- Built-in ML tool - MIRA
- Curated documents as training documents
- Automation runs as a background process
- Re-use other layers' annotation as a feature for the target layer
- Flexible way of importing training documents and features
- Export pre-annotated documents

Automation



- Suggestion pane shows automation result
- Users accept correct predictions
- Highlight wrong predictions



Download at <http://webanno.googlecode.com>



Yimam, S.M., Eckart de Castilho, R., Gurevych, I., and Biemann C. Automatic Annotation Suggestions and Custom Annotation Layers in WebAnno. In *Proceedings of ACL-2014, demo session, Baltimore, USA*.

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