Short description of the system

Explanations

The web annotation tool is implemented in such a way that users can markup a given text using mouse click-drag. The marker annotation, which are the start/end markup, marker type, and the text selected, will be stored in a json file and sent to the server. The server displays the received information and notifies the user the reception of the message. The client side is implemented with HTML, javascript (and jquery java script library) and css. The server side is implemented with JEE and apache json library.

Design Decisions

The following design decisions has been considered in implementing the tool

1. The user should select at least one character which is also not a blank to annotate
2. The user can select different markers and markup can be overlapped then. A maximum of 7 markers are considered, three a startup and the other four based on the users need
3. The same marker cannot overlap, but can be extended.
4. During marker extending, the older marker will be deleted
5. The user can remove single (not overlapped) markers by selection/double clicking the whole markup to be removed
6. The user can refresh and start anew annotation
7. Arbitrarily many overlap markers can be created
8. The generated json file includes information such as start/end of marker, marked Text and marker type
9. At least one marker is needed to submit the json file to the server
10. If the user needs more marker, she shall create additional marker labels, entering the name of her choice label name

Moreover, detail comments about the algorithms, procedures and techniques used are included with the js source code.