

Homework 3

11-791

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I created a Collection Processing Engine to run the question-answer similarity system from last week's assignment. The CPE pipeline includes a Precision Cas Consumer that I wrote to replace the evaluator from last week. This Cas Consumer is called hw3-cvaughn-CPE.xml.

Next I used UIMA-AS to interact with Stanford CoreNLP. To accomplish this I created a client (scnlp-cvaughn-client.xml) that sends the CAS to SCNLP, then gets it back with the ClearTK annotations. From this I obtained Stanford Named Entity annotations, which I then used in my Precision Cas Consumer to score the answers. To do this I set each answer score equal to its N-Gram score * 0.75 plus its Named Entity score * 0.25. (The coefficients act as normalizing weights.)

Finally, I created my own UIMA-AS service that I used to deploy my AAE to a local broker. I then called the service that I created using a new client that I wrote.