The use of Open-sesame to process requirements documents with NLP

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Introduction

- The process of obtaining requirements from breach documents is a lengthy one that can take a lot of time and man-power.
- With the advance in Natural Language
 Processing and readily available previous data
 on requirements, I can take steps to automate
 the requirements retrieval process.
- This project is to read and extract from the documents the language tags on sentences and words so that it can be processed and understood later.
- A Stanford NLP library is used and is then built upon using open-sesame to process the documents.

Objectives

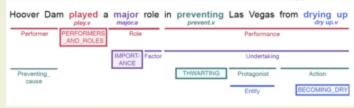
- Process all available documents and document the process, language tags for ease of use by the other team.
- Read and understand the tool: Open-sesame
- Successfully implement the tool: Opensesame
- Document the installation process, run process and clearly label the end results based on each documents
- Document the explanation of the tags used in each sentence for easier understandability
- Submit the documents to advisor for further



1. The training process of the tool

Conclusions

- The installation and run of this tool is successful and the sentences with NL tags are



How a sentence would be processed and how the tags would be shown.

References:

- The tool used in this project is open-sesame developed by swabhs and modified by me. It can be found at the following link: https://github.com/swabhs/open-sesame
- The NLP libraries are FrameNet version 1.7 and GloVe word embeddings.

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