

Emoveo—Design Document

Objectives: The objective is to allow the user to generate a redacted document that maintains readability, structure, and semantic/pragmatic meaning.

End Users:

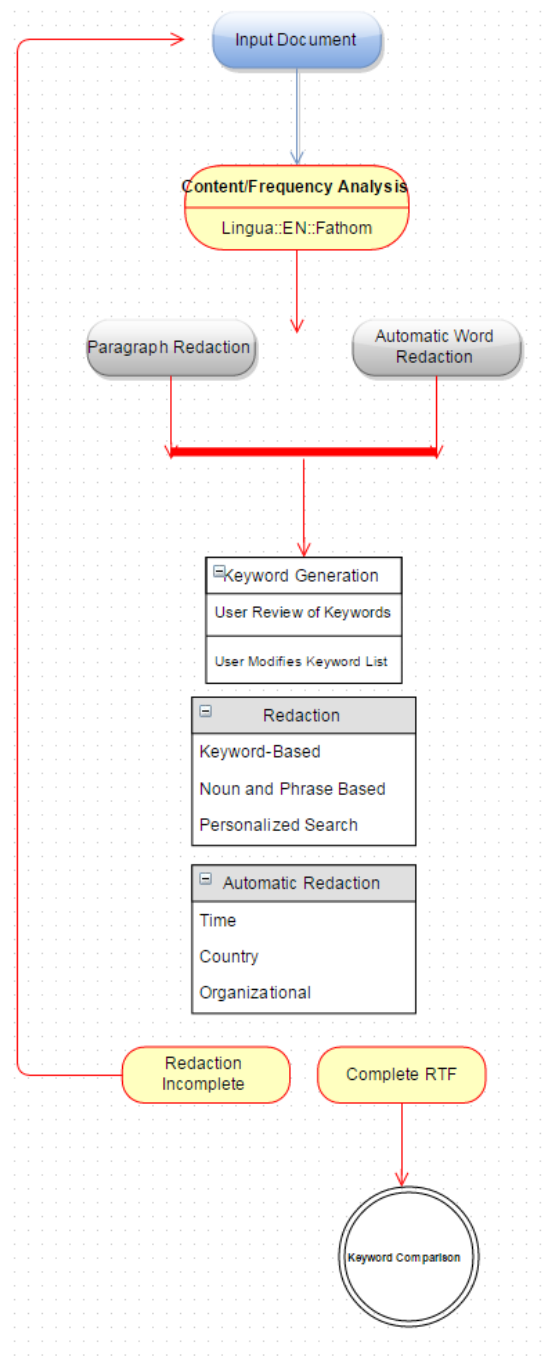
- **Lawyers:** These users have the role to remove unrelated case information from subpoena documents and may have a vested interest in redacting classified documents
- **Government/Private Sector Employees:** The users may have a vested interest or have the security clearance level which information they create are classified and need to declassify these documents when due for mandatory redaction or normal redaction.
- **Media:** These users may have an ethical responsibility to redact leaked documents before release to public.
- **General Public:** The users have a right to request declassified and publicly available redacted information with limitations under federal right to information laws. They may also access publicly available documents which have been redacted.

Use Cases:

- **Lawyers**
 - **Redact**
 - **Actors:** Lawyer
 - **Pre-condition:** Lawyer has subpoena or classified document
 - **Trigger action:** Actors use redaction tool to remove case-irrelevant information from subpoena document or the classified document.
 - **Review**
 - **Actors:** Lawyer, Clerks, Judges
 - **Pre-condition:** Emoveo generated documents
 - **Trigger action:** Actors are able to review every step of the method used to create the pre-condition for accuracy and appropriateness.
- **Government/Private Sector Employees**
 - **Redact**
 - **Actors:** Government/Private Sector Employees
 - **Pre-condition:** Classified, Secret, or Top-Secret document
 - **Trigger action:** Actors are able to use redaction tool to selectively remove elements from the pre-condition document.
 - **Review**
 - **Actors:** Government/Private Sector Employees
 - **Pre-condition:** Emoveo generated documents
 - **Trigger action:** Actors are able to review every step of the method used to create the pre-condition for accuracy and appropriateness.

- Media
 - Redact
 - Actors: Media Employees
 - Pre-condition: Classified, Secret, or Top-Secret leaked document
 - Trigger action: Actors are able to use redaction tool to selectively remove elements from the pre-condition document.
 - Review
 - Actors: Media Employees
 - Pre-condition: Emoveo generated documents
 - Trigger action: Actors are able to review every step of the method used to create the pre-condition for accuracy and appropriateness prior to public release.
- General Public
 - View Document
 - Actors: General Public
 - Pre-condition: Access a redacted document
 - Trigger action: Can make a request for a redacted and declassified document with limitations stated in Freedom of Information Act (FOIA).

Workflow/Features:



Requirements:

- There must be internet access.
- The following modules must be installed and up-to-date:
 - Data::Dump
 - Encode
 - File::Slurp
 - HTML::FormatText
 - HTML::TreeBuilder
 - Lingua::Concordance
 - Lingua::EN::Fathom
 - Lingua::EN::StopWords
 - Lingua::EN::Tagger
 - Lingua::Stem::En
 - List::Compare
 - Locale::Country
 - Locale::Language
 - LWP::Simple
 - Path::Class
 - RTF::Writer
 - Text::TermExtract
 - Tkx
 - WWW::Wikipedia
- Read, write, and execute access necessary for remove and input documents.
- Must meet memory and CPU requirements to run the perl script:
 - Disk Space: 30 MB free (min)
 - Processor: 1 GHz (min)
 - Memory: 300 MB (min)
- Documents to redact must be in English with proper paragraph formatting.