Case Summarization and analysis

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OBJECTIVE

- To improve the way Legal Documents and Terms and Conditions contracts are presented and analyzed.
- Provide a comprehensive and easy to understand summary of legal documents and analytics of the text, allowing a deeper insight into it for the reader

The Problem

- Legal document are often too long,tedious and confusing.
- Some terms and conditions can be easily overlooked.
- Predatory agreements can legally entrap people
- Time consuming and often has insignificant details.
- Legal jargons cannot be understood by the average human

OUR SOLUTION

We present a web application that accepts a legal document (preferably proceedings of a court case, terms and conditions document) IN TXT FORMAT, and using various Artificial Intelligence, Machine Learning and Natural Language Processing Algorithms,comprehends it and generates a concise summary of the document and recognises the key legal points (for instance, names and locations involved, important sentences).

We also provide a plugin version specifically trained for privacy condition summarization which provides an analysis of the complexity and readability of the terms and the most important sentences in the document

OUR SOLUTION

Usage

Just upload the legal proceedings of the case *IN THE FORM OF A TXT FILE* (no other formats are supported as of now).
We then provide you with the following:

Original Document With Highlighting

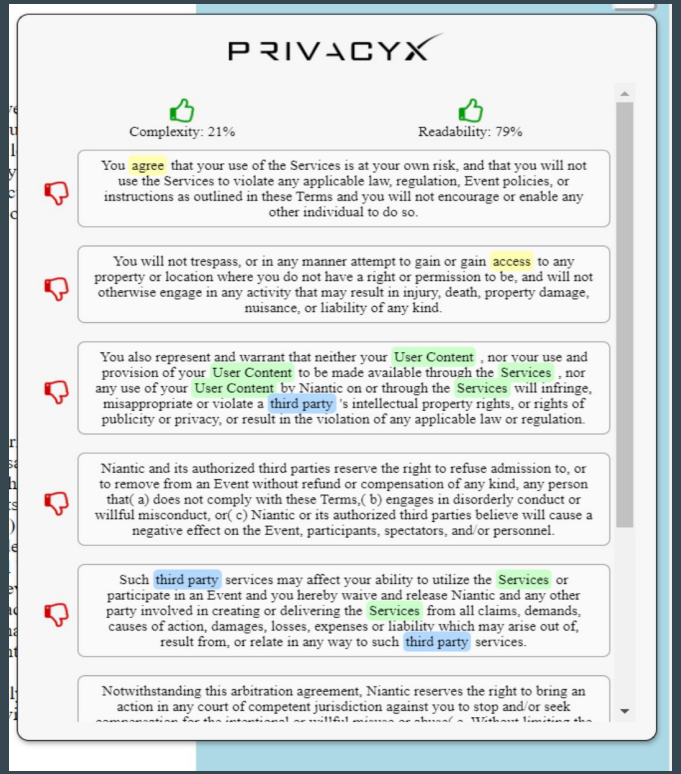
We identify the key points and highlight them, making you focus more on the important things when reading a large legal document

Summarized Document

We comprehend the document and prepare a concise summary that briefs you on the sum and substance of the document

QnA Bot

Our Question Answer bot answers some simple queries about the document. It can list the important points, give you a very short rundown of the document or summarise it in a little more detail.



DELIVERABLES

A webapp to upload the legal documents and get abstractive and extractive summaries.

An interactive chatbots to ask queries regarding the document.

Informatics regarding the document.

A plugin that gives the relevant important information for terms and conditions documents.

Highlighted Keywords in the document.

SOFTWARE REQUIREMENTS - WEBAPP

This is used for the frontend for the web page and to provide the required functionality

It is a Python-based free and open-source web framework, which follows the model-template-view architectural pattern. We use this for development of our application.

Language Understanding (**LUIS**) is a cloud-based API service that applies custom machine-learning intelligence to a user's conversational, natural language text to predict overall meaning, and pull out relevant, detailed information.This is used for the chatbot framework and is trained on specific arguments

Microsoft Bing Speech API is a cloud-based API that provides advanced algorithms to process spoken language, it allow developers add speech driven actions to their applications including real-time interaction with the user.This is used for Speech to Text and Text to Speech, thus enabling the bot to work with voice as well

Libraries for making model

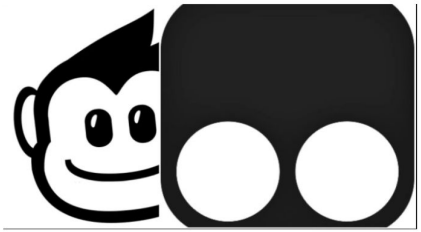
Microsoft Program Synthesis using Examples SDK

Given a domain-specific language (DSL) and input-output examples for the desired program's behavior, PROSE synthesizes a ranked set of DSL programs that are consistent with the examples.This is used for the key highlights of the document.

SOFTWARE REQUIREMENTS - PLUGIN

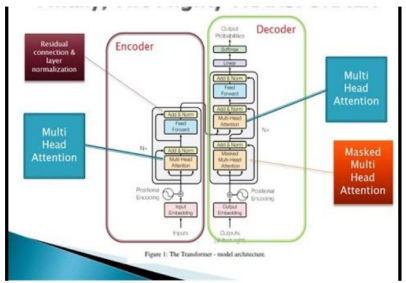
This was used for the frontend for our application

Flask is used for the backend server which communicates with the front-end through REST API



TamperMonkey was used as the userscript to create the required plugin for our application

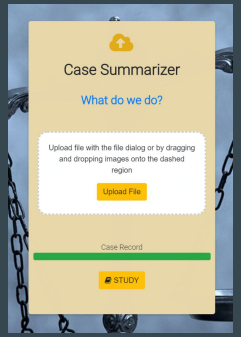
Pytorch was used for the creation of the Transformer Model and extractive summarizer

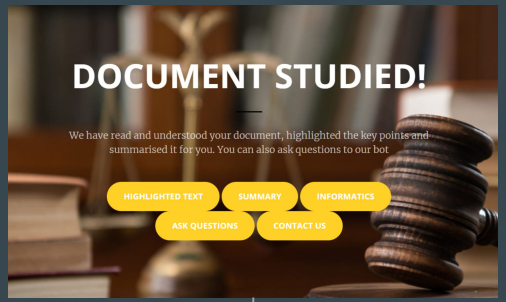


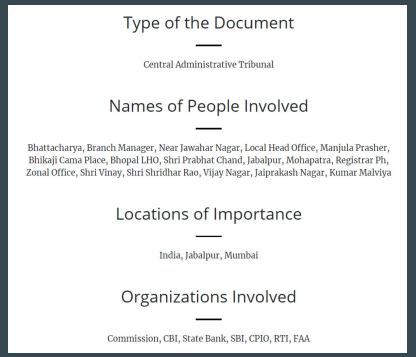
BERT is used as a transformer model, fine tuned to the specific domain and thus it helps us better understand legal data

Libraries for making model

TXT







Type of the Document

Central Administrative Tribunal

Names of People Involved

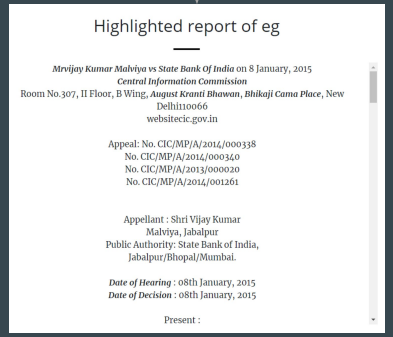
Bhattacharya, Branch Manager, Near Jawahar Nagar, Local Head Office, Manjula Prasher, Bhikaji Cama Place, Bhopal LHO, Shri Prabhat Chand, Jabalpur, Mohapatra, Registrar Ph, Zonal Office, Shri Vinay, Shri Shridhar Rao, Vijay Nagar, Jalprakash Nagar, Kumar Malviya

Locations of Importance

India, Jabalpur, Mumbai

Organizations Involved

Commission, CBI, State Bank, SBI, CPIO, RTI, FAA



Highlighted report of eg

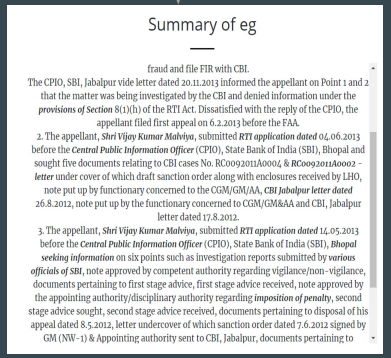
Mrvijay Kumar Malviya vs State Bank Of India on 8 January, 2015
Central Information Commission
Room No.307, II Floor, B Wing, ***August Kranti Bhawan, Bhikaji Cama Place***, New Delhi110066
websitecic.gov.in

Appeal: No. CIC/MP/A/2014/000338
No. CIC/MP/A/2014/000340
No. CIC/MP/A/2013/000020
No. CIC/MP/A/2014/001261

Appellant : Shri Vijay Kumar Malviya, Jabalpur
Public Authority: State Bank of India, Jabalpur/Bhopal/Mumbai.

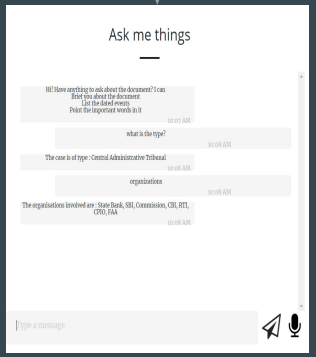
Date of Hearing : 08th January, 2015
Date of Decision : 08th January, 2015

Present :



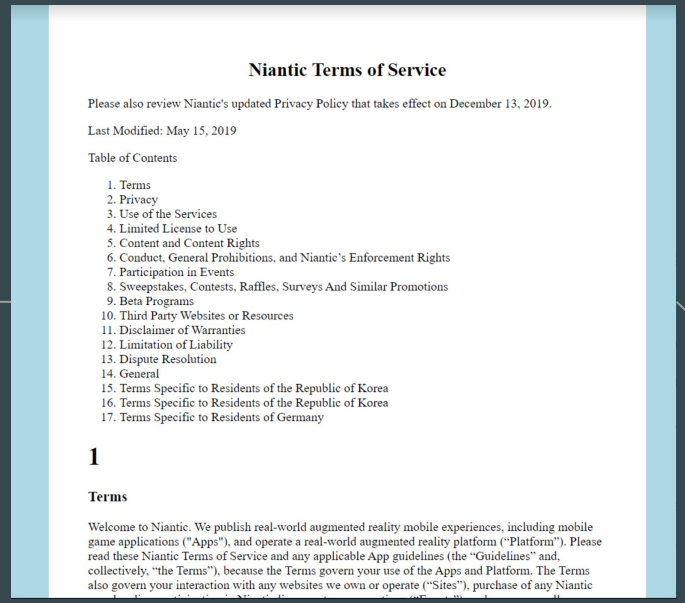
Summary of eg

fraud and file FIR with CBI.
The CPIO, SBI, Jabalpur vide letter dated 20.11.2013 informed the appellant on Point 1 and 2 that the matter was being investigated by the CBI and denied information under the ***provisions of Section*** 8(1)(h) of the RTI Act. Dissatisfied with the reply of the CPIO, the appellant filed first appeal on 6.2.2013 before the FAA.
2. The appellant, ***Shri Vijay Kumar Malviya***, submitted ***RTI application dated*** 04.06.2013 before the ***Central Public Information Officer*** (CPIO), State Bank of India (SBI), Bhopal and sought five documents relating to CBI cases No. RC0092011A0004 & ***RC0092011A0002 - letter*** under cover of which draft sanction order along with enclosures received by LHO, note put up by functionary concerned to the CGM/GM/AA, ***CBI Jabalpur letter dated*** 26.8.2012, note put up by the functionary concerned to CGM/GM&AA and CBI, Jabalpur letter dated 17.8.2012.
3. The appellant, ***Shri Vijay Kumar Malviya***, submitted ***RTI application dated*** 14.05.2013 before the ***Central Public Information Officer*** (CPIO), State Bank of India (SBI), ***Bhopal seeking information*** on six points such as investigation reports submitted by ***various officials of SBI***, note approved by competent authority regarding vigilance/non-vigilance, documents pertaining to first stage advice, first stage advice received, note approved by the appointing authority/disciplinary authority regarding ***imposition of penalty***, second stage advice sought, second stage advice received, documents pertaining to disposal of his appeal dated 8.5.2012, letter undercover of which sanction order dated 7.6.2012 signed by GM (NW-1) & Appointing authority sent to CBI, Jabalpur, documents pertaining to



Ask me things

Hi! Have anything to ask about the document? I can
Brief you about the document
List the dated events
Point the important words in it
10:07 AM
what is the type?
10:08 AM
The case is of type : Central Administrative Tribunal
10:08 AM
organizations
10:08 AM
The organisations involved are - State Bank, SBI, Commission, CBI, RTI, CPIO, FAA
10:08 AM
Type a message



Niantic Terms of Service

Please also review Niantic's updated Privacy Policy that takes effect on December 13, 2019.

Last Modified: May 15, 2019

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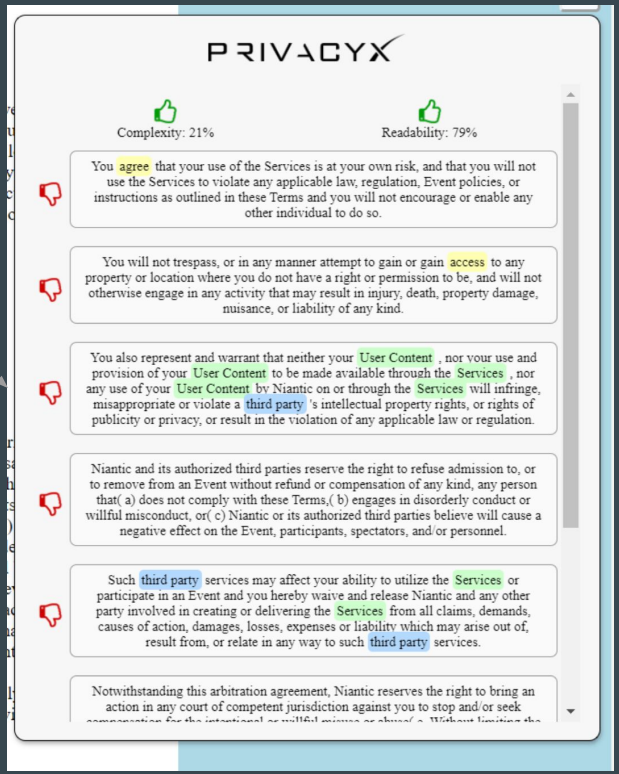
Terms

Welcome to Niantic. We publish real-world augmented reality mobile experiences, including mobile game applications ("Apps"), and operate a real-world augmented reality platform ("Platform"). Please read these Niantic Terms of Service and any applicable App guidelines (the "Guidelines" and, collectively, "the Terms"), because the Terms govern your use of the Apps and Platform. The Terms also govern your interaction with any websites we own or operate ("Sites"), purchase of any Niantic



THANK YOU

TEAM

RITU SINHA
POOJA KUMARI
KRUTHIKA K