

**Atilim University**

**Software Engineering Department**

**SE 112**

**Introduction to Software Engineering**

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**Assignment #1**

**BUILDING THE LEGAL SUMMARIZER**

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# **Building the Legal Summarizer**

## Problem Description:

The aim of the project is to be able to summarize and refine the legal terms and conditions documents to make them more digestible, easier to understand and less time consuming for users so that they may make more informed decisions and exercise more consent when accepting to a “terms and conditions” agreement In the pursuit of this goal we plan to develop an application to increase intelligibility for users .The “Legal Summarizer” or *Shorten* is an artificial intelligence based application that analyzes and then summarizes and shortens any “terms and conditions” document, “user agreement” forms or any such legal contract users receive from websites, apps and other software.    We feel there is a major need for a project like this for according to a paper published by Berkeley University the percentage of users who read the terms and conditions agreements may be as low as 1%  The Legal Summarizer will analyze terms and conditions agreements and then summarize the text. Increasing the clarity without losing important legal points.

**-Citation :**“Do We Actually Agree to These Terms and Conditions?” *Data Science W231 Behind the Data Humans and Values*, Berkeley University, 20 July 2021, blogs.ischool.berkeley.edu/w231/2021/07/09/do-we-actually-agree-to-these-terms-and-conditions/#:~:text=In%20fac.

# **Project Management**

## Project Plan:

|  |  |  |  |
| --- | --- | --- | --- |
| **TASK** | **TIME (week)** | **ACTIVITY** | **DEPENDS ON** |
| A | 1 | **Researching**: Finding out which users it can appeal to. Analysis of text summarization techniques. Investigation of AI algorithms. Looking at other AI applications. |  |
| B | 1 | **Collecting Resources and Creating Infrastructure**: Collecting of necessary data information and installation of the necessary software infrastructure for text summarization. | A |
| C | 3 | **Development of Summarization Algorithm**: Coding of an artificial intelligence that can summarize texts. Development of a mechanism for the automatic evaluation of the created abstracts and the provision of feedback. | A-B |
| D | 2 | **The Experience Process and User experience**: Conducting usability test, error situations are handled and interface improvement studies according to user feedback. | C |
| E | 1 | **Integration With Other Applications:**  applications are selected where users cannot continue their transactions without approving texts and these applications and our artificial intelligence supported text summarization project are enabled to work together. | C |
| F | 1 | **Announcement of the project:**  our text summarization project supported by artificial intelligence is announced to users through the applications we work with and social media. |  |

## Risk Assessment:

|  |  |
| --- | --- |
| **Risk 1:** Many constitutions and legal systems have vulnerabilities that can be found out and exploited by large companies and their law departments. The app might not be able to recognize some of these more discrete susceptibilities | **Countermeasure 1:** Help from a legal experts and or such authorities can be sought as consultants for development  in order to train the AI to recognize such loopholes |
| **Risk 2:** The failure of the app in recognizing some legal compromise or a failure in its expression of such a compromise might result in a lawsuit against the app and its developers | **Countermeasure 2:** A short and concise consent form as well as disclaimer before the use of the app would clear the developer of any and all legal responsibility. |

## In The Gantt Chart, The Representation of The Project:

metin, ekran görüntüsü, öykü gelişim çizgisi; kumpas; grafiğini çıkarma, çizgi içeren bir resim

Açıklama otomatik olarak oluşturuldu