



SYNOPSIS

ON

TEXT WIZARD

Submitted by - Bhavya Sharma

Roll no. – 2311834050006

Submitted to – Mrs. Parul Rastogi

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TEXT WIZARD

1. INTRODUCTION

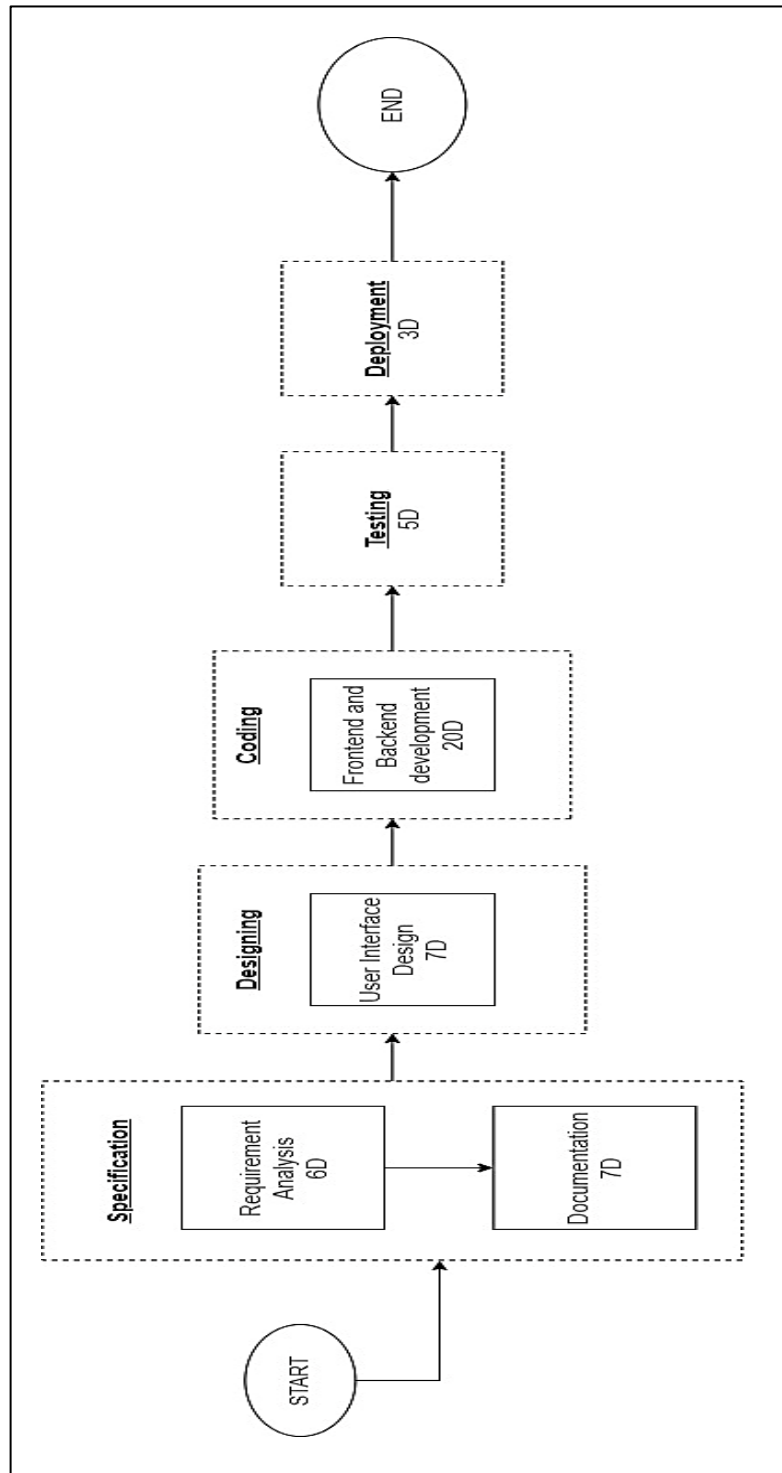
Welcome to “**Text Wizard**” – a website application which is user friendly designed to simplify the complexities of Natural Language Processing (NLP). It serves as a comprehensive platform for performing various text processing tasks, ranging from basic operations like tokenization and stop-word removal to more intricate processes such as stemming and lemmatization.

The project is built with a focus on accessibility and efficiency, Text Wizard aims to empower both novices and seasoned professionals in the NLP field to effortlessly harness the power of processing.

2. OBJECTIVES

1. **User-Friendly Interface:** Design an intuitive and accessible platform for users to interact with various NLP tasks.
2. **Efficiency:** Optimize processing speed and resource utilization to handle large volumes of text data.
3. **Comprehensive Features:** Include essential NLP operations such as tokenization, stemming, lemmatization, stop-word removal, and spelling checking.
4. **Academic Research:** Assist researchers in analysing large volumes of text data, enabling the extraction of meaningful patterns and insights.
5. **Text Classification:** Preprocess and prepare text data for classification tasks, such as sentiment analysis.

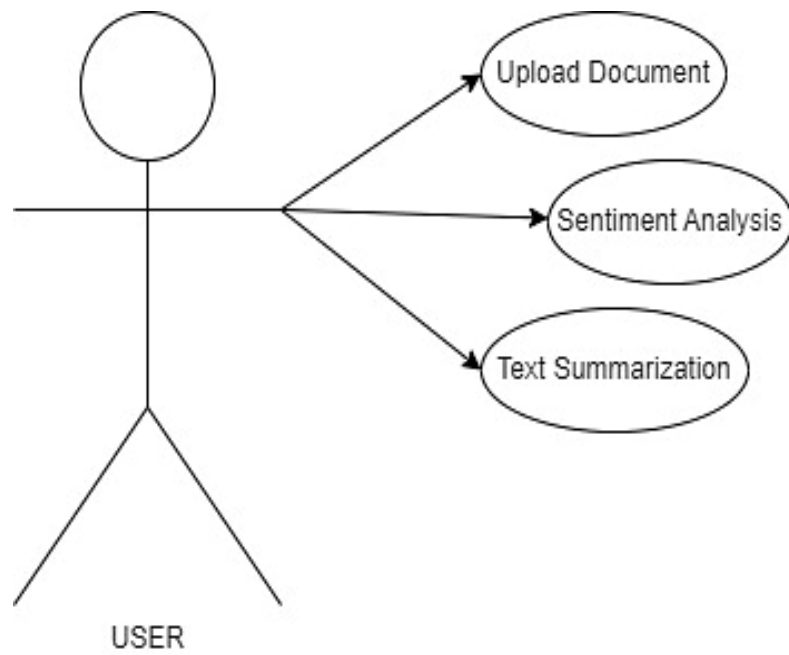
3.ACTIVITY CHART



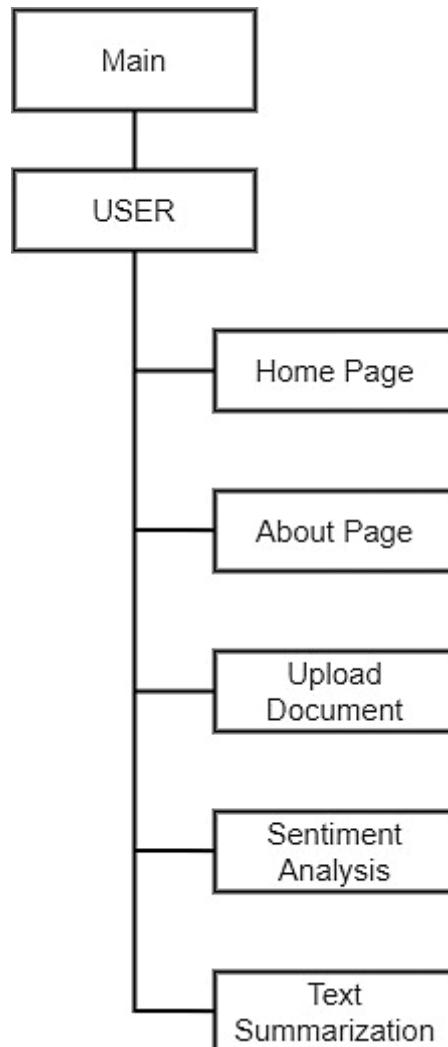
4. GANTT CHART

S.No.	Task Name	Start Date	End Date	Duration	16	712	1318	1924	2530	3105	0611
1	Requirement Analysis	01-07	06-07	6							
2	Documentation	01-07	07-07	7							
3	User Interface design	08-07	14-07	7							
4	Coding	15-0	03-08	20							
5	Testing	04-0	08-08	5							
6	Deployment	09-0	11-08	3							

5. USE CASE

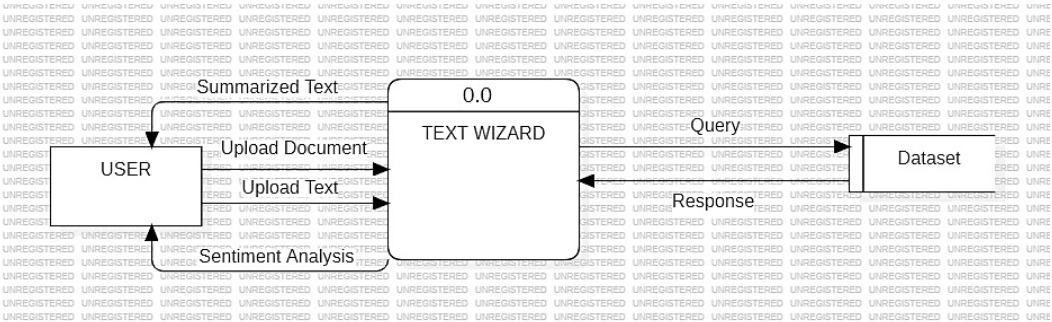


6. CONTROL FLOW DIAGRAM



7. DATA FLOW DIAGRAM

- LEVEL-0 DFD:**



- **LEVEL-1 DFD:**

8. SOFTWARE REQUIREMENT SPECIFICATION

Hardware Specifications

Hardware specification	Minimum	Used
Processor	Intel core i3	Intel core i5
RAM	4GB	8GB
Storage	256 GB SSD	256 GB SSD

Software Specifications

Software specification	Minimum	Used
Operating System	Windows 7	Windows 11
Programming Language	Python	Python
Framework	Flask	Flask
Browser	Google Chrome	Google Chrome
Version Control	Git	Git
Text Editor	VS Code	VS Code
Reporting Software	MS Word	MS Word

9. MODULE DESCRIPTION

Module	Description
Upload Document	User will upload the document
Sentiment Analysis	User can get sentiments analysis from text
Text Summarization	User can get a summary of the text

10. DATA DESCRIPTION