Informatics Institute of Technology

In Collaboration With

University of Westminster, UK



*University of Westminster, Coat of Arms*

Generalized Abstractive Text Summarization Using Optimized Transformers

Software Requirements Specification (SRS)

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September 2022

This Project Proposal is submitted in partial fulfilment of the requirements for

the BSc (Hons) Computer Science degree at

the University of Westminster.

Table of Contents

[List of Figures ii](#_Toc118885391)

[List of Tables ii](#_Toc118885392)

[1. CHAPTER OVERVIEW 1](#_Toc118885393)

[2. RICH PICTURE 1](#_Toc118885394)

[3. STAKEHOLDER ANALYSIS 1](#_Toc118885395)

[3.1 Stakeholder Onion Model 1](#_Toc118885396)

[3.2 Stakeholder Viewpoints 1](#_Toc118885397)

[4. REQUIREMENT ELICITION METHODOLOGIES 1](#_Toc118885398)

[5. ANALYSIS OF DATA & PRESENTATION OF THE OUTCOME THROUGH ELICITATION METHODOLOGIES 1](#_Toc118885399)

[5.1 Literature Review 1](#_Toc118885400)

[5.2 Survey 1](#_Toc118885401)

[5.3 Prototyping 1](#_Toc118885402)

[6. SUMMARY OF FINDINGS 1](#_Toc118885403)

[7. CONTEXT DIAGRAM 1](#_Toc118885404)

[8. USE CASE DIAGRAM 2](#_Toc118885405)

[9. USE CASE DESCRIPTIONS 2](#_Toc118885406)

[10. REQUIREMENTS 2](#_Toc118885407)

[10.1 Functional Requirements 2](#_Toc118885408)

[10.2 Non-functional Requirements 2](#_Toc118885409)

[11. CHAPTER SUMMARY 2](#_Toc118885410)

[REFERENCES I](#_Toc118885411)

[APPENDIX A – CONCEPT MAP II](#_Toc118885412)

# List of Figures

[Figure 12.1 - Prototype Feature Diagram (Self-composed) 13](#_Toc117550682)

[Figure 13.1 - Gantt Chart 16](#_Toc117550683)

[Figure 13.2 - Model development flow (Self-composed) 21](#_Toc117550684)

# List of Tables

[Table 5.1 - Related work in abstractive text summarization 3](#_Toc117584436)

[Table 11.1 - Research Objectives 9](#_Toc117584437)

[Table 13.1 - Research Methodology 13](#_Toc117584438)

[Table 13.2 - Deliverables and Dates 17](#_Toc117584439)

[Table 13.3 - Risk Mitigation Plan 19](#_Toc117584440)

**Acronyms**

|  |  |
| --- | --- |
| AI | Artificial Intelligence. |
| DL | Deep Learning |
| ML | Machine Learning |
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# CHAPTER OVERVIEW

# RICH PICTURE

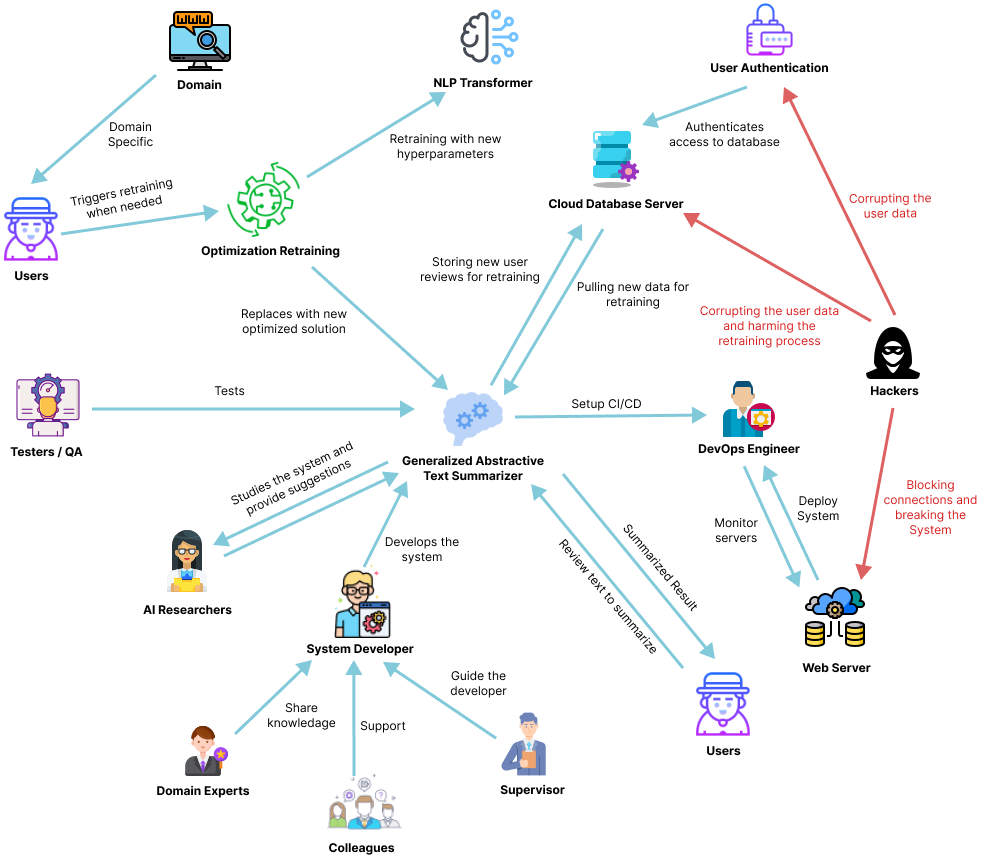
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Figure 2.1 – Rich Picture Diagram (*self-composed*)

# STAKEHOLDER ANALYSIS

## 3.1 Stakeholder Onion Model

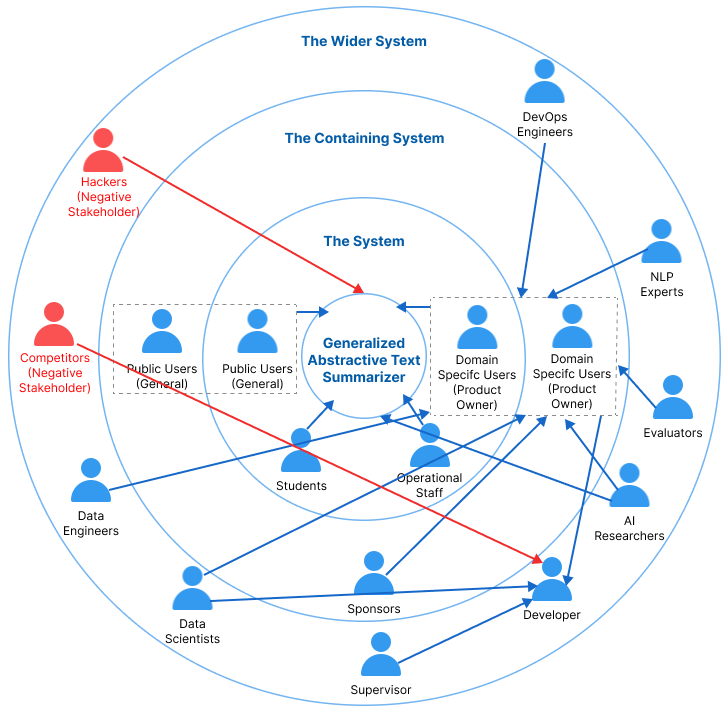


Figure 3.1 – Stakeholder Onion Model (*self-composed*)

## 3.2 Stakeholder Viewpoints

|  |  |  |
| --- | --- | --- |
| **Stakeholder** | **Role** | **Benefits/ Role Description** |
| Developer | Financial Contributor | Works on developing the system |
| Sponsors | Funds to market the system and allows developers to advance the system with time. |
| Data Scientists | Quality Control Regulator | Provides performance enhancements for the models and algorithms used in data science. |
| Data Engineers | Gives guidance on potential data that may be used to generate the best suggestions possible. |
| AI Researchers | Conduct research in the specified area to enhance and implement reliable text summarizing models. |
| NLP Experts | Offers specialized guidance and insights on the field  knowledge, to enhance the functionality of the system. |
|  |  |  |
|  |  |  |

# REQUIREMENT ELICITION METHODOLOGIES

# ANALYSIS OF DATA & PRESENTATION OF THE OUTCOME THROUGH ELICITATION METHODOLOGIES

## 5.1 Literature Review

## 5.2 Survey

## 5.3 Prototyping

# SUMMARY OF FINDINGS

# CONTEXT DIAGRAM

# USE CASE DIAGRAM

# USE CASE DESCRIPTIONS

# REQUIREMENTS

## 10.1 Functional Requirements

## 10.2 Non-functional Requirements

# CHAPTER SUMMARY

# REFERENCES

# APPENDIX A – CONCEPT MAP