

1. Introduction

1.1 Overview

Spell checkers are very popular software tools used by almost everyone in today's society. Ensuring correct spelling in documents is crucial in order to prevent the readers from any misunderstandings. By automatically scanning for any spelling mistakes and detecting them, spell checkers help us produce an error free document, which ultimately improves credibility and effective communication.

The objective of this project is to create a desktop application that will allow us to scan through an entire document, compare it word by word to a dictionary, and provide the user with various options when encountering a spelling error. The options consist of manual corrections and further suggestions for auto-correction. After the user has selected all possible options for auto correct, this special-purpose application should have fulfilled its job of producing an error free document.

1.2 Objectives

- Applying effective software engineering principles as a team to solve a real-world issue
- Adhering to all the specifications presented
- Referring to the specifications to produce clear models of the design and requirements
- Ensuring good design implementation in Java and dealing with decisions made earlier in the process
- Creating graphical, user-facing content and user-friendly applications
- Writing code clearly and efficiently
- Documenting the Java code in a well-ordered fashion that adheres to best practices
- Constantly reflecting on the good/bad decisions made over the course of the project collectively

1.3 References

- CS2212 Group Project Specification - Fall session 2023