

Project Proposal On

Bangla Spelling Checker

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Introduction:

Bangla is one of the widely spoken languages in the world, and many people use it as their primary language for communication, writing, and reading. However, the lack of proper spell checking tools for Bangla language has been a major issue for the users. To address this problem, we propose to develop a Bangla spell checker desktop application using Java language.

Objectives:

- Develop a spell checking tool for the Bangla language that can detect and correct spelling in offline.
- Implement the spell checking algorithm in Java for the desktop environment.
- Integrate the spell checking tool with the user interface to provide an easy-to-use interface for the users.
- The application will provide suggestions for the incorrect words and will allow users to easily correct them.

Features:

- **Spelling Correction:** The application will check the spelling of the entered text and suggest corrections for any incorrect words.
- **Word Suggestions:** If the user enters an incorrect word, the application will suggest the correct spelling for that word.
- **Easy Correction:** The user will be able to easily correct the incorrect words with just a few clicks.
- **User-friendly Interface:** The application will have a user-friendly interface, making it easy for users to use and understand.
- **Offline Availability:** The application will be designed to work offline, allowing users to use it even when they do not have internet connectivity.

Technical Requirements:

- Java Programming Language
- JavaFX for graphical user interface
- JDK 8 or later version
- JavaFX Scene Builder
- Java Swing

Timeframe:

The project is expected to take approximately 2-3 months to complete, including testing and debugging.

Conclusion:

The Bangla Spelling Checker desktop application will provide a convenient and efficient solution for users who use the Bangla language for writing purposes. The application will help users to improve their writing skills and ensure that the text they produce is error-free. The project will be developed using Java programming language, ensuring that it is reliable and efficient.