

1.1 Business goals

Main Goal

The main goal of the project is to deliver a user-friendly, open-source text editor that empowers users to create, modify, and manage text files with efficiency and reliability. The core mission is to provide a free, accessible, and unrestricted tool that meets the needs of everyday users, developers, and writers alike, combining simplicity, performance, and openness in a single, cohesive platform.

1. **Functionality**

The editor will include all essential features for text manipulation, creating, opening, editing, and saving files with ease. In addition, it will provide a suite of convenient utilities such as find and replace, undo/redo, word wrapping, and basic text formatting as well as limited coding capabilities.

Future enhancements will aim to extend functionality through plugin support, customization options, and keyboard shortcuts, ensuring the editor adapts to a wide range of workflows.

2. **Performance**

Performance will be a central focus. The editor will be engineered for rapid startup, low memory footprint, and fast response to user input. It should maintain smooth performance. Efficient algorithms and lightweight design principles will ensure a consistently fast and reliable editing experience.

3. **Cross-Platform Compatibility**

The application will be programmed in Java, allowing it to be natively supported on Windows, macOS, and Linux, ensuring consistent functionality and appearance across platforms. The user experience will be unified, allowing seamless transition between devices without the need for reconfiguration.

4. **Security and Data Integrity**

The software will emphasize data safety and reliability at every stage of file handling. Robust error management mechanisms will protect against crashes, data corruption, and accidental loss during editing or saving. Features such as auto-save, backup creation, and version recovery will further safeguard user content in future versions.

5. **Transparency and Open Source**

As an open-source initiative, the project will foster collaboration, peer review, and community-driven improvement. The source code will be freely accessible, allowing developers and users to inspect, modify, and redistribute it under a permissive license. This openness will ensure long-term sustainability, encourage innovation, and build trust through shared ownership and accountability.