

# ■ Simple Text Editor - Documentation

The Simple Text Editor is a Python GUI application built using Tkinter. It allows users to create, open, edit, and save text files easily. The program demonstrates how to use Tkinter widgets such as Menu, Text, and File Dialogs to perform basic file operations.

### Workflow of the Program:

1. User opens the app.
2. User can create a new file, open an existing one, or save the current text.
3. The text area supports writing, editing, and deleting text.
4. The user can exit safely using the 'Exit' option in the menu.

Feature	Description
■ New File	Clears the text area for a new file.
■ Open File	Opens an existing text file using file dialog.
■ Save File	Saves the text content to a selected location.
■ Exit	Closes the application window safely.

### Key Components:

- **Tkinter:** Used for GUI design and layout management.
- **Menu:** Provides 'File' dropdown for user operations.
- **Text Widget:** Main area where user types or edits text.
- **File Dialog:** Allows opening and saving files through a graphical interface.
- **MessageBox:** Displays notifications for user actions.

### Code Summary:

- The program initializes a main Tkinter window.
- It defines functions: **new\_file()**, **open\_file()**, and **save\_file()**.
- Each function uses Tkinter's built-in dialogs for user interaction.
- The text widget provides a writing space styled with a dark theme.

### Conclusion:

This project is a beginner-friendly Python GUI example demonstrating text editing and file handling. It can be enhanced further by adding features like search, replace, syntax highlighting, or dark/light mode toggle.