**Software Analysis and Design**

**Text Editor**

**Abstract:**

To design a text editor with the basic operations like write a file, saving it, opening a file to modify it. The editor will also contain options like cut, copy, paste and spell check. Apart from these operations, the editor will have a colour scheme for syntax identification for C, C++ and HTML languages.

**System Requirements:**

Hardware Requirements:

* RAM: 1 GB or More
* Processor: 1.2 GHz Quad Core or More

Software Requirements:

* Python 2.7 and above
* Windows 7 and above

**Modules:**

Module 1:

* Making the Text Editor canvas using python’s GUI module
* Adding the Menu Bar items

Module 2:

* Adding functionalities to menu bar items like new, open, save, save as, cut, copy, paste and also defining the shortcut keys
* Provide functionality to change font size and style

Module 3:

* Add functionality to indent and align text
* Add Find and Replace functionality
* Add colour scheme for syntax identification for C, C++ and HTML
* Add functionality for spell checking

**Software Process Model:**

Waterfall Software Development Model will be used in the Project Development Process.

**Estimated Time of Completion:**

3 Months

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