PES UNIVERSITY, BANGALORE

Department of Computer Science and Engineering

UE20CS302

SOFTWARE ENGINEERING

PROJECT SYNOPSIS

Simple Text Editor

Team No. 07

Name and SRN:

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Text editor is a simple application. It helps users to open any text file, write, edit and format texts and save it in a file. We are making this editor using python and it's libraries like Tkinter. Tkinter is a standard python interface to the Tk GUI toolkit.

A text editor makes it easier to type texts, specially ones in different program languages, so many special features are included like autocompletion for parenthesis, brackets (square and curly), single quotes, and double quotes; auto indentation for code blocks and brackets (when creating lists or creating functions); syntax highlighting for different languages (Python, C, C++, JavaScript,

Java, HTML, Sql, CSS) and the ability to compile and run your code from the editor.

To make it attractive and easier to read, different themes and color schemes that the user can pick from will be added along with customization options like font, text color, line height, etc.

Plan of work and product ownership:

Requirement analysis:

1) Software Requirements - requirements mentioned and suggested by users
   Prioritization – ranking the requirements according to developer's need or customers.
   -Assigned to Rimzim Sanghvi

   SRS preparation : the document which summarizes all the above steps along with functional requirement and models .

   -Assigned to Rashmi.K.R, Reshmi Pradeep , Rimzim Sanghvi

2) Initiative planning:
   Feasibility study –initial design of the project and defining more about the requirements and properties needed.
   Project planning – plan course of project using various tools like jira software
   - Assigned to Reshmi Pradeep

3) Design:

High level design – about system architecture and design.

– Rashmi.K.R & Rimzim Sanghvi

Detailed design - Decomposition of major system components into program units and allocation of functional responsibilities to units. – Rashmi.K.R & Reshmi Pradeep

4) Development:

Build/UI- coding of functional modules

File handling module – Rashmi.K.R & Reshmi Pradeep

Editing module -Reshmi Pradeep & Rimzim Sanghvi

Formatting module - Rimzim Sanghvi

Programming module – Reshmi Pradeep

Documentation – the process of recording the key project details and producing the documents that are required . – Rashmi.K.R

Testing – testing the software for bugs, bug reports and fixing them.

- Assigned to Rashmi.K.R, Reshmi Pradeep , Rimzim Sanghvi

5) Deployment and support