A Simpler Version of Doc/Word

**1 Introduction**

**1.1 document purpose and scope**

This Vision document is to establish a rough border for the document recorder project we will attempt to create. The Purpose of the document is to:

* Identify and agree on an approach for solving a problem faced by the end users and describe how those problems affect productivity.
* Propose a solution to those problems
* Identify constraints that the developers will have in the production of said solution(s)
* Identify stakeholders and users
* Identify the team working on the project.

The scope of the document is limited to the progress of the project.

**2 Problem Statement**

| The problem of | * Complex document writers * Cluttered screens * Vague representations of concepts like font color |
| --- | --- |
| It affects | * Elementary school students * Mental disabilities(ADD) |
| Causing the impact of | * Slowing productivity * Limiting creativity * Diverting focus |
| A successful solution would include | * Propper image representations of concepts * Simpler user interfaces * Less user interfaces * Less drop downs * Less windows * Easier navigation of existing drop downs * Easier navigation of existing windows * A list of key binds |

**3 Product Features**

**3.1 Alternate font size selection method**

This document writer will include a scroll wheel for choosing a font size instead of the typical drop down option. A text box will be included for exact alterations to font size and to display the current font size selected.

**3.2 Different font color imagery representations**

This project will include alterations to the typical image representations for font color. For the font color a crayon will be shown drawing ABC with the color chosen written on the crayon. This word will disappear depending on the window size in order to reduce clutter. The letters will also disappear if the window size shrinks further. Standard colors included:

* Blue
* Red
* Yellow
* Orange
* Green
* Purple
* Black

**3.3 Different font highlight color imagery representations**

The typical highlighter imagery will be swapped for an ABC image with a highlight behind it mimicking the color selected. A highlighter drawing the highlight with the selected color displayed on the tip as well as the word representing the color on the highlighter will also be displayed. Similar to the font color, the highlighter word will disappear if the window size is shrunk past a certain threshold. Standard colors included:

* Blue
* Red
* Yellow
* Orange
* Green
* Purple
* White

**3.4 Key bind list**

The document writer will include a window with a list of the key binds the document writer has. This window will be accessible through a button displayed on the screen represented as [Keybind List]. This representation will be reduced to [KL] if the window is shrunk past a certain threshold. Example keybinds to be listed:

* CTRL + H: Opens a text box that allows the user to enter the name of a color they wish to use as a highlight for text that is selected. If no text is currently selected, all text typed following the function will be highlighted with the selected color. If the highlight feature is already active, the highlight feature will be turned off.
* CTRL + D: Opens a text box that allows the user to enter the name of a color they wish to use as to dye the text that is selected. If no text is currently selected, all text typed following the function will be remade with the selected color. If the color feature is already active, the color feature will be turned off.
* CTRL + W: Activates the scroll wheel for font size. After using this function users may use their arrow keys, S or W, as well as scroll wheel on their mouse to change the font size of the text.If text is selected, the scroll wheel will only change the font size of the selected text. If no text is selected, all text typed after the change in font size will be of the new font size. If the function is already active, pressing CTRL+W again will deactivate the function.
* CTRL + A: Selects all text written. If all text is already selected, all text will be deselected.
* CTRL+L: Will open the key bind list. If the key bind list is already open, the list will be closed.

**3.5 PDF file download format**

To allow the users to keep the documents, outside the program, a pdf download method will be created.

**3.6 Load Function**

Using the load button the user will be able to select an already created PDF file to edit in the document writer. This document will be allowed all the features of a document originally created in the program.

**3.7 Save function**

If the file the user is editing already exists as a named file created or edited by the program, the file will be updated with the new data entered into the program.

**4 Constraints**

**4.1 Design constraints**

Due to the aim of the project. Very few drop downs or menu bar items will be added. This will help to keep the project simplistic.

**4.2 Personnel constraints**

Due to the experimental nature of the project, Personnel will be required to test new means of designing user interfaces. This may require additional learning of the software choices for the development of the project. The project is to be completed within the 3 month window.

**5 Risks**

**5.1 Risk list**

Possible risks to the success of the implementation of the project:

* Lack of knowledge on the software as mentioned above in the constraints.
* Issues with the functionality of the programs used to write the software:
  + File loss
  + Interface lock ups
  + Key bind mix ups
* Hardware issues like:
  + Inadequate power infrastructure

**6 Stakeholder and User Descriptions**

**6.1 Stakeholders**

| Gabriel Taylor | Project manager |
| --- | --- |
| Salvador Menez | Project manager |
| John Jones | Project manager |

**6.2 Users**

| Title | Role | Description of Use |
| --- | --- | --- |
| Elementary School | Education | Students will use the simplistic style of the document writer to work on projects like low level essays and small project papers. |
| Special needs classes | Aid in learning | Students with special needs will use the document writer to aid in their endeavors to learn despite their conditions, the simplistic nature of the writer being helpful to keep them focused. |

**7 Project Team**

| Name | Project role | Responsibilities |
| --- | --- | --- |
| Gabriel Taylor | Project manager | Software developer |
| Salvador Menez | Project manager | Software developer |
| John Jones | Project manager | Software developer |