[Text-Editor] Software Requirements Specification (SRS)

Team Members:

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Revision History

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| **Date** | **Revision** | **Description** | **Author** |
| 10/14/17 | 1.0 | Initial Version | Rafael Zamora |
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   1. Overview

This paragraph shall briefly state the purpose of the system and the software to which this document applies. It can describe the general nature of the system and software and summarize the history of the system development.

The software we are creating will be a simple text editor. Some of the features that will be included into the project will be opening, editing, and saving a file.

1. Use Cases
   1. Use Case Diagram

Provide a use case diagram of this software product.

Analyze

Edit

Browse

New

Help

Average

Text-Editor

* 1. Use Case Scenarios

Provide a list of use case scenarios of this software product.

* As a user, I want to open a file in the text editor, because I want see the changes that have been made.
* As a user, I want to create a new file in the text editor, because I want to write to a txt file.
* As a user, I want to browse all my files, because I want to have choices as to which file I want to open.

1. Test Plan
   1. Test Cases

Specify required behavior of the software product and include parameters such as possible input, expected output, on error, etc.

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| --- | --- | --- | --- | --- |
|  | **Feature** | **Description** | **Possible Input** | **Expected Output** |
| **1** | Open File | Click on the Browse button and choose a file from directory. | Text File | Open file. Show text.  Error message: not a text file -> popup |
| **2** | New File | Click on the New button and provide a name for the text file. | Name of Text File | New file created.  Error message: Only legal filenames are accepted |
| **3** | Analyze File | Click on the Analyze button and choose a file from the directory. | Text File | Show file text statistics  Error: not a text file -> popup |
| **4** | Average Files | Click on the Analyze button and choose files from the directory. | Text Files | Show files’ text statistics  Error: not text files -> popup |
| **5** | Help | Click on Help button. | None | Show help dialogue |
| **6** | Edit | Modify text in open file. | Text Change | Save file with new text.  Error: couldn’t save -> notify user |

1. Project Plan
   1. Plan for the First Deliverable

Specify the plan for the first deliverable including the list of tasks with a description, assignment of tasks to team members, etc.

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|  | **Task** | **Description** | **Assignment** |
| **1** | Use Case Diagram | Use Case Diagram was drawn in Microsoft Word to visualize the possible actions a user can take. | Group |
| **2** | GUI Panel | Development of GUI Panel using Java Swing API in Eclipse. The panel will include the buttons and text editors to run the project | Jacob, Josh |
| **3** | Help | Created a text document in order to describe how the program works when pressing the help button. | Josh, Jacob |
| 4 | Text Stats | Create code to analyze a file and send statistics to the GUI. | Nicholas |
| 5 | File Managment | User will be able to open, edit, and create a file. There will need to be a menu where the user can select these options. Once selected the file will be opened in the text editor. | Rafael |

* 2. Plan for the Second Deliverable

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|  | **Task** | **Description** | **Assignment** |
| **1** | File tree | Create a system of file trees in order to organize files that need to be selected | Josh |
| **2** | GUI Panel | Continue to add elements and link code for functionality. | Jacob, Josh |
| **3** | Help | Keep working and finish this up. | Josh, Jacob |
| 4 | Text Stats | Continue working and make progress on code for analyzing files. | Nicholas |
| 5 | File Managment | User will be able to open, edit, and create a file. There will need to be a menu where the user can select these options. Once selected the file will be opened in the text editor. Multiple files can analyzed. | Rafael |
| 6 | UML Class diagram | Use current structure of classes to create the UML class diagram. | Rafael, Jacob |

* 2. Plan for the Third Deliverable

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| --- | --- | --- | --- |
|  | **Task** | **Description** | **Assignment** |
| **1** | Link code | Push code and reorganize the project to receive the finished new features. | Group |
| **2** | GUI Panel | Fix bug with files cutting off characters and implement file date and last edited time. | Josh |
| **3** | UML Class Diagram | Make new class diagram for version 2.0 of Text File Analyzer. | Jacob |
| 4 | Text Stats | Finish code and consider edge cases for calculating file statistics. | Nicholas |
| 5 | File Managment | Finish code so that multiple files can analyzed. | Rafael |