Plain Text Title Maker

Software Architecture Documentation

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# Introduction

The following Document shows use case descriptions for the 3 functional requirements of the program.

# Use Case Descriptions

|  |  |
| --- | --- |
| Use Case | FR-001: Create TXT Document with table information. |
| Objective | Create a document with information to then be displayed as a table |
| Precondition | 1. Program is open |
| Main Flow | 1. User selects option 1 by pressing the 1 key on their keyboard 2. User types the desired file name. 3. User types in relevant information (Column Titles) 4. User types in info for each line. |
| Alternative Flow | 1A. User does not select option 1 |
| Post Condition | The file is created and a table is displayed with the information |

|  |  |
| --- | --- |
| Use Case | FR-002: Retrieve TXT Document by searching a file name. |
| Objective | Read a file and display it as a table to the user |
| Precondition | 1. Program is open |
| Main Flow | 1. User selects option 2 by pressing the 2 key on their keyboard 2. User types the file name they are looking for. |
| Alternative Flow | 1. User does not select option 2 2. User types an incorrect file name |
| Post Condition | The file is loaded and a table is displayed with the information |

|  |  |
| --- | --- |
| Use Case | FR-003: Update current TXT Documents with table information |
| Objective | Read a file and update a specific line. The table is then displayed to the user. |
| Precondition | 1. Program is open |
| Main Flow | 1. User selects option 3 by pressing the 3 key on their keyboard. 2. User types the file name they are looking for. 3. The user selects the desired line they wish to edit. 4. The user is shown the previous line info and is asked to write a new value |
| Alternative Flow | 1. User does not select option 2 2. User types an incorrect file name 3. User selects the incorrect line |
| Post Condition | The file is loaded, the desired line is replaced, and a table is displayed with the information |