Database (Filter and Search Function)

Test plan

Version <1.0>

04/11/2020

Document Control

Approval

The Guidance Team and the customer shall approve this document.

Document Change Control

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| Current Release: | 04/11/2020 |
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Distribution List

This following list of people shall receive a copy of this document every time a new version of this document becomes available:

Guidance Team Members:

Customer:

Software Team Members: Adrian Gonzalez, Valente Arellano, Roman Martinez

Change Summary

The following table details changes made between versions of this document

|  |  |  |  |
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| Version | Date | Modifier | Description |
| 1.1 | 04/11/2020 | Adrian Gonzalez | First release |
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Note: The template presented in this document was taken from:

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Note: The template presented in this document was taken from: Donaldson, S., and S. Siegel, *Successful Software Development*. Upper Saddle River, NJ: Prentice Hall, 2001, pp. 321-323 and modified by Humberto Mendoza and Steve Roach.

Supplementary information is from:

Pfleeger, S. *Software Engineering, Theory and Practice*. Upper Saddle River, NJ: Prentice Hall, 1998, p. 365.

Table of Contents

[Document Control ii](#_Toc37519337)

[Approval ii](#_Toc37519338)

[Document Change Control ii](#_Toc37519339)

[Distribution List ii](#_Toc37519340)

[Change Summary ii](#_Toc37519341)

[1. Introduction 1](#_Toc37519342)

[1.1. Purpose 1](#_Toc37519343)

[1.2. Scope 1](#_Toc37519344)

[1.3. System Overview 1](#_Toc37519345)

[1.4. Suspension and Exit Criteria 1](#_Toc37519346)

[1.5. Document Overview 1](#_Toc37519347)

[1.6. References 1](#_Toc37519348)

[2. Test Items and Features 2](#_Toc37519349)

[3. Testing Approach 3](#_Toc37519350)

[4. Test Procedures 4](#_Toc37519351)

[4.1. Test 1 4](#_Toc37519352)

[4.2. Test 2 4](#_Toc37519353)

[4.3. Test 3 5](#_Toc37519354)

[4.4. Test 4 6](#_Toc37519355)

[4.5. Test 5 7](#_Toc37519356)

[5. Test Schedule 9](#_Toc37519357)

# Introduction

The purpose of the project is to assure the right conditions in the software. It will ensure that all processes, and procedures are suitable and implemented properly.

## Purpose

This document will provide the set of test cases used to focus on the input that goes into the application, and the output that it will produce. These test cases ensure the quality of the software from the stakeholders’ perspective. The test approached for this application is Black Box Testing. This approach is done to validate the functional requirements.

## Scope

The scope is to execute a set of test cases into the software and document negative and positive results. Then, they can be modified to suit the expected outcome. They later can be compared and see the progress in between the versions.

## System Overview

<<Describe the system to be exercised by the testing approach specified in the plan. This overview serves to identify aspects of the system operation that will be the focus of the plan’s testing approach. This should align with the systems overview of other documents in the project.>>

## Suspension and Exit Criteria

To suspend the activity and determine that we have completed all testing, both, the producer and the reviewers must agree that all critical test must pass, and 95% of the non-critical must be successful. This is to guarantee the functionality of the software is within the standards of quality and accurately implemented.

## Document Overview

<<Describe the remainder of the document.>>

## References

dbEdit provided by Dr. Roach

Spec.docx provided by Dr. Roach.

# Test Items and Features

<< This section describes the test items (e.g., components, classes, functions or methods) and the features to be tested. It may also list features not to be tested. A class diagram is useful. A table of features is useful. >>

# Testing Approach

The approach to be used to test the software is to start from the level of criticality, starting from highest to lowest. The following table describes a list of the specific test to be performed with its respective objective.

Table 1: Test Plan

|  |  |  |
| --- | --- | --- |
| **TEST SUITE <Identifier>** | | |
| **Description of Test Suite** |  | |
| **Test Case Identifier** | **Objective** | **Criticality** |
| 1 | **To search for a file** | **High** |
| 2 | **Search for items that match whole words** | **High** |
| 3 | **Search for items that match case** | **High** |
| 4 | **Search and replace item** | **Medium** |
| 5 | **Replace all** | **Low** |

# Test Procedures

This section is to document the performed test cases for the filter and search functionality.

## Test 1

**Objective:** Search for a specific file

**Notes:** N/A

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No.: 1 | | | | Current Status: Pending | | |
| Test title: Search File | | | | | | |
| Testing approach: This test is to identify the search tab and to make sure it opens the specific file | | | | | | |
| STEP  1  2 | OPERATOR ACTION  Run dbEdit.jar and click the “Search” tab  Click on “Find Files” and enter the name of desire table in the search box | PURPOSE  For the user to identify the tab  The system must properly return the name of table | | | EXEPCTED RESULTS  The system must return a list of the files that contains say name | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

## Test 2

**Objective: Search for items that match whole words**

**Notes:** Once the desired file is identified, the application opens say file and give a new set of tabs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No.: 2 | | | | Current Status: pending | | |
| Test title: Match Whole Words | | | | | | |
| Testing approach: Test ensures that the word that needs to be search, is properly return | | | | | | |
| STEP  1  2  3  4 | OPERATOR ACTION  Open desire file and click the “Edit” tab  Click “Search” and enter desire word or integer in the search box  Select the box next to Match Case  Click on “Find” button | PURPOSE  To ensure that the user finds the right option.  To guide the user to the right place  To guide the user to the right place  To guide the user to the right place | | | EXEPCTED RESULTS  The application must return the location of desire word or integer. If item can not be found, must return “Search wrapped” | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

## Test 3

**Objective:** To ensure that a word or integer can be found with proper capitalizarion

**Notes:** Operator must enter item in the same box as step 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No.: 3 | | | | Current Status: Pending | | |
| Test title: Match Case | | | | | | |
| Testing approach: In the same box as test two, operator need to enter desire word as is with all capital letters | | | | | | |
| STEP  1  2  3 | OPERATOR ACTION  Once in the desire file, click on “Edit” tab and select search  Click on the search word and enter the word “RESTRICTED”  Select “Match Whole Words” and click “Find” button | PURPOSE  To ensure operator is in the proper place  Operator must enter a word as is in the file  To ensure operator is in the proper place | | | EXEPCTED RESULTS  The application must return the location of say word if found. If word is not located the application must return “Search wrapped” | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

## Test 4

**Objective:** To test that the replace option properly works

**Notes:** Operator must be in a proper file

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No.: 4 | | | | Current Status: Pending | | |
| Test title: Search and replace item | | | | | | |
| Testing approach: Operator must run the dbEdit application and open the desire file. | | | | | | |
| STEP  1  2  3  4  5 | OPERATOR ACTION  Once in the desire file, click on “Edit” tab and select search  Click on the search word and enter the word or integer to bel replaced  Select “Match Whole Words”  In the replace box, enter word or item to be replace with  Click “Replace” button | PURPOSE  To ensure operator is in the proper place  To ensure operator is in the proper place  This ensures that any word that operator enters is in the file  To ensure operator is in the proper place  To ensure operator is in the proper place | | | EXEPCTED RESULTS  The application must update the table with the new replaced word. Else the application will return “String not found” | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

## Test 5

**Objective:** This test ensures that the operator is able to replace a word or item when the “Replace” button is clicked (to replace all items)

**Notes:** Operator must be in a proper file

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No.: 5 | | | | Current Status: Pending | | |
| Test title: Replace all Test | | | | | | |
| Testing approach: Operator must run the dbEdit application and open the desire file. | | | | | | |
| STEP  <<N>> | OPERATOR ACTION  Once in the desire file, click on “Edit” tab and select search  Click on the search word and enter the word or integer to bel replaced  Select “Match Whole Words”  In the replace box, enter word or item to be replace with  Click “ReplaceAll” button | PURPOSE  To ensure operator is in the proper place  To ensure operator is in the proper place  This ensures that any word that operator enters is in the file  To ensure operator is in the proper place  To ensure operator is in the proper place | | | EXEPCTED RESULTS  Once the operator clicks “RepalceAll” the application must find all the words with say word and replace it with the item that the operator entered. Else the application must return “String not found” | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

# Test Schedule

This section is to provide a schedule for the testing operator, and to provide a space for remarks

|  |  |  |
| --- | --- | --- |
| **Task and date** | **People** | **Description** |
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