**UE20CS302**

**SOFTWARE ENGINEERING**

TEST PLAN

**Simple Text Editor**

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| **Test Case ID** | **Name of Module** | **Test case description** | **Pre-conditions** | **Test Steps** | **Test data** | **Expected Results** | **Actual Result** | **Test Result** |
| UT-01 | File Handling | To test creating a new file | Open the text editor. Text file called File1 should not exist. | 1: Click on File in the menu bar  2: Click on New  3: Enter a valid file name and type  4: Click on Save | File name: File1  File type: Text File | New text file should be created and opened with name File1 | New text file should created and opened with name File1 | Pass |
| UT-02 | File Handling | To test creating a new file | Open the text editor. A text file named File1 should already be created. | 1: Click on File in the menu bar  2: Click on New  3: Enter a file name that already exists  4: Click on Save | File name: File1  File type: Text File | Error message box that displays “File1.txt already exists. Do you want to replace it?” | Error message box that displays “File1.txt already exists. Do you want to replace it?” | Pass |
| UT-03 | File Handling | To test opening a file | Open the text editor. A text file named File1 should already be created. | 1: Click on File in the menu bar  2: Click on Open  3: Enter a file name that already exists  4: Click on Open | File name: File1  File type: Text File | Opens the text file called File1 | Opens the text file called File1 | Pass |
| UT-04 | File Handling | To test opening a file | Open the text editor. A text file named File2 should not exist. | 1: Click on File in the menu bar  2: Click on Open  3: Enter a file name that doesn’t exist  4: Click on Open | File name: File2  File type: Text File | Error message box that displays “File2.txt not found. Check the file name and try again” | Error message box that displays “File2.txt not found. Check the file name and try again” | Pass |
| UT-05 | File Handling | To test opening a file | Open the text editor. An image called Pic.png should exist. | 1: Click on File in the menu bar  2: Click on Open  3: Enter a file name with a type that is not supported on the text editor  4: Click on Open | File name: Pic  File type: png | Error message box that displays “This file type is not supported” | Error message box that displays “This file type is not supported” | Pass |
| UT-06 | File Handling | To test saving a file | Open the text editor. Text file called File1 should not exist. | 1: Click on File in the menu bar  2: Click on Save  3: Enter a valid file name and type  4: Click on Save | File name: File1  File type: Text File | Text file should be saved with name File1 | Text file should be saved with name File1 | Pass |
| UT-07 | File Handling | To test saving a file | Open the text editor. Text file called File1 should exist. | 1: Click on File in the menu bar  2: Click on Save  3: Enter a valid file name and type  4: Click on Save | File name: File1  File type: Text File | Error message box that displays “File1.txt already exists. Do you want to replace it?” | Error message box that displays “File1.txt already exists. Do you want to replace it?” | Pass |
| UT-08 | File Handling | To test saving a file | Open the text editor. Image file called File1 should not exist. | 1: Click on File in the menu bar  2: Click on Save  3: : Enter a file name with a type that is not supported on the text editor  4: Click on Save | File name: File1  File type: png | Error message box that displays “This file type is not supported” | Error message box that displays “This file type is not supported” | Pass |
| UT-09 | File Handling | To test saving changes to a file | Open the text editor. Image file called File1 should already be saved and open. | 1: Click on File in the menu bar  2: Click on Save | None | “Changes saved” in status bar | “Changes saved” in status bar | Pass |
| UT-10 | File Handling | To test closing a file | Open the text editor. Have a file open | 1: Click on File in the menu bar  2: Click on Exit | None | Message box that displays “Save the changes before closing?” | Message box that displays “Save the changes before closing?” | Pass |
| UT-11 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Select some text.  2: Ctrl + X | Text: This a cut testing  Selected text: This is | Text: A cut testing | Text: A cut testing | Pass |
| UT-12 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Select some of the text.  2: Ctrl + X  3: Ctrl + V at the end of the text | Text: This a cut and paste testing.  Selected text: This is | Text: A cut and paste testing.This is | Text: A cut and paste testing.This is | Pass |
| UT-13 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Don’t select any text.  2: Ctrl + X  3: Ctrl + V at the end of the text | Text: This a cut testing.  Selected text: | Text remains the same | Text remains the same | Pass |
| UT-14 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Select some of the text.  2: Ctrl + C | Text: This a copy testing.  Selected text: This is | Text remains the same | Text remains the same | Pass |
| UT-15 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Select some of the text.  2: Ctrl + C  3: Ctrl + V at the end of the text | Text: This a copy testing.  Selected text: This is | Text: This is a copy testing.This is | Text: This is a cut testing.This is | Pass |
| UT-16 | Editing | To test find and replace | Open the text editor. Have a file open with text in it. | 1: Go to Tools on the menu bar.  2: Select Find and Replace from drop down list | None | Opens find and replace window with text boxes for find and replace | Opens find and replace window with text boxes for find and replace | Pass |
| UT-17 | Editing | To test find and replace | Open the text editor. Have a file open with text in it. | 1: Go to Tools on the menu bar.  2: Select Find and Replace from drop down list  3: Type some text in the Find text box  4: Click on Search | File Text: This is find and replace testing  Find Text Box Text: testing | Selects “testing” in the File | Selects “testing” in the File | Pass |
| UT-18 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Go to Tools on the menu bar.  2: Select Find and Replace from drop down list  3: Type some text that is not in the file in the Find text box  4: Click on Search | File Text: This is find and replace testing  Find Text: searching | Error box that displays “No more results. Search from the beginning?” | Error box that displays “No more results. Search from the beginning?” | Pass |
| UT-19 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Go to Tools on the menu bar.  2: Select Find and Replace from drop down list  3: Type some text in the Find text box  4: Click on Search  5: Type some text in Replace text box  6: Click on Replace | File Text: This is find and replace testing  Find Text: testing  Replace Text: functioning | File Text: This is find and replace functioning | File Text: This is find and replace functioning | Pass |
| UT-20 | Editing | To test editing a file | Open the text editor. Have a file open with text in it. | 1: Go to Tools on the menu bar.  2: Select Find and Replace from drop down list  5: Don’t type anything in Replace text box  6: Click on Replace | File Text: This is find and replace testing  Find Text Box Text: searching  Replace Text: | File Text: This is find and replace | File Text: This is find and replace | Pass |
| UT-21 | Formatting | To test changing themes | Open the text editor. Have a file open with text in it. | 1: Go to Themes on the menu bar.  2: Select a theme from the drop-down list. | Theme: desert | The theme changes from default to the desert theme | The theme changes from default to the desert theme | Pass |
| UT-22 | Formatting | To test changing themes | Open the text editor. Have the desert theme applied on the file that is open. | 1: Go to Themes on the menu bar.  2: Select a theme that is already applied from the drop-down list. | Theme: desert | The theme remains the same. | The theme remains the same. | Pass |
| UT-23 | Formatting | To test indentation of text | Open the text editor. Open file that contains text. | 1: Go to the beginning of a line and press tab.  2: Go to the end of the same line and press enter. | None | One tab space is automatically applied to the next line | One tab space is automatically applied to the next line | Pass |
| UT-24 | Formatting | To test indentation of text | Open the text editor. Open file that contains text. | 1: Go to the beginning of an indented line and press backspace.  2: Go to the end of the same line and press enter. | None | One tab space indentation is automatically removed from the next line | One tab space indentation is automatically removed from the next line | Pass |
| UT-25 | Formatting | To test text formatting | Open the text editor. Have a file open with text in it. | 1: Select some text.  1: Go to Tools on the menu bar.  2: Select Color selector  from drop down list  3: Pick a color  4: Click apply | Text: This is test sample  Color: Green | Display “This is test sample” in Green | Display “This is test sample” in Green | Pass |
| UT-26 | Formatting | To test text formatting | Open the text editor. Have a file open with text in it. | 1: Select some text  2: Press Ctrl+B | Text: This is test sample | Display “This is test sample” in bold formatting | Display “This is test sample” in bold formatting | Pass |
| UT-27 | Formatting | To test text formatting | Open the text editor. Have a file open. | 1: Don’t select any text  2: Press Ctrl+B | Text: This is test sample | No changes made to text | No changes made to text | Pass |
| UT-28 | Programming | To test auto-completion | Open the text editor. Have a program file open. | 1: Type a left bracket of any type | Text: { | adds } | adds } | Pass |
| UT-29 | Programming | To test auto-completion | Open the text editor. Have a program file open. | 1: Type a single or double quote | Text: “ | Adds second “ | Adds second “ | Pass |
| UT-30 | Programming | To test syntax highlighting | Open the text editor. Have a program file open with text in it. | 1: Go to Syntax on the menu bar.  2: Select the corresponding file type from drop-down list. | File Type: Python  Syntax: Python | The python file syntax highlight is applied to the program | The python file syntax highlight is applied to the program | Pass |
| UT-31 | Programming | To test running a program | Open the text editor. Have a program file open. | 1: Go to Build Options on the menu bar.  2: Select Run from the drop-down list | File Type: Python  Program : To print hello | Prints “Hello” in a cmd window | Prints “Hello” in a cmd window | Pass |