Test Case ID	Functional Requirement	Test Case Objective	Test Case Description	Expected Result
	1 Creating a New File/Opening a File	Ensure that new blank files are created and that text files can be opened (with CEditorObjects if there are sublines).	Create a new file from the menu and tool bar. Open a text file with some basic pseduo code, that includes sublines. 'InsertionSort.txt' from the Design section of this project will be used.	Opens a new file that is either blank if it was created new. If opened 'insertionSort.txt', it should be filled with the text of 'InsertionSort.txt' with the sublines used.
	2 Save Files	Ensure that opened files can be saved in a text file, with line numbers indicated on each line.	Create a basic file (with sublines) and save it, making sure that it saves with the appropriate line spacing, line numbers and text.	was saved. It has the line numbers
	3 Print file and export as PDF	Ensure that the app can connect to a printer and print the correctly formatted file. Ensure that the file can be exported as a PDF, in the same format as the printed format.	Print the 'InsertionSort.txt' file to my home printer and two different school printers, to ensure that the printing is consistent even with different printers. While printing each time, export to PDF at the same time and check if the PDF and print match.	Prints the pages on each printer. Each print being the same. The
	4 Edit OS print settings	Ensure that the app can edit the OS print settings when printing, such as print colour, double sided, page size etc	Print the 'InsertionSort.txt' file to a printer twice, each time with different colour settings, to ensure that the print settings work and are consistent.	Prints the pages, using the correct colour settings. Each time printing with the same settings on different printers should have identical prints.
	5 Exitting the application	Ensure that the app can close without any errors like memory leaks or assertion failures.	Close the application several times and test if it works. Test close from menu function, top right 'X' button on window and via the task bar.	Application closes, is removed from the task bar and from the OS task manager.
	6 Copy text to the clipboard	Ensure that the user will be able to copy highlighted text to the clipboard from the menu, the toolbar and commands (CTRL + C).	Using 'InsertionSort.txt', copy one of the editors and attempt to paste it into a text editor.	Highlighted text will be copied and will be pasted into Microsoft word, exactly as it was highlighted. There should be correct line spacing as well. It should also be visible on the OS clipboard.

			Application adds the text into the
	Ensure that the user can paste next from		current editor, from the active line in
	the clipboard into the current active	Create a small word file in a text editor	the current caret position. It creates
Paste text from the clipboard into	editor, including a carridge character to	(including some keywords) and copy it,	a new line when it recieves a
7 the application	add new lines.	attempt to paste it into the application.	carridge character (\n).
		Open the window in several different	
		running instances of the application and	
		check for errors. No need to test the actual	
		functionality of the dialog box as this is	
Opening customise window dialog	Ensure that the customise dialog box can		Customise dialog box opens without
8 box	open without any faults or errors.	framework.	any faults or errors.
		Use this button several times in several	Tool bar disappears and the tabs are
	Ensure that the tool bar can be enabled	different instances of the application and	moved up at the top, the space
9 Enabling/disabling the tool bar	and disabled.	check for failures.	inside the view is made bigger.
		Use this button several times in several	Status bar disappears and the tabs
	Ensure that the status bar can be	different instances of the application and	are moved down at the bottom, the
10 Enabling/disabling the status bar	enabled and disabled.	check for failures.	space inside the view is made bigger.
			The window theme is changed
		Use this function several times in several	appropriatley based on the selected
	Ensure the user can change the windows	different instances of the application, with	theme. Colours may change, and
11 Changing the windows theme	theme to a selection of in-built themes.	different themes, and check for failures.	some graphics may change as well.
			Tab closes and current tab changes
			to the most recently used one, or, if
	Ensure that any tabs can be closed from	Use this button and function several times	*
	the main window, or from a dialog box	in several different instances of the	disappear and the background
12 Close any tabs	that specifically manages active tabs.	application and check for failures.	appears to be a grey screen.
		Use this function several times in several	
		different instances of the application and	A new window is created, it is shown
13 Open a new window from the app	be made from the menu bar.	check for failures.	on the task bar
		Add/remove several words to/from each	SmartColour dialog can be opened
		list box and check that they are being	without any faults or errors.
	Ensure that the SmartColour dialog can	implemented by the application. Change	Keywords can be added and
	be opened. Ensure that the user can add	several colours and check that they are	removed. Colours can be changed.
	and remove keywords to the selection,	also being implemented. Test each font to	
	change colours, change fonts and new	make sure that all are bale to be used.	changed. When the dialog is closed,
	indentation sizes. Ensure all changes	Make sure all changed take place as soon	the changes are automatically
14 Use the SmartColour dialog box	happen as soon as the dialog is closed.	as the dialog box closes	updated.

		Use this function several times in several	
		different instances of the application and	
	Ensure that the website can be opened	check for failures. Also test it with different	
	from the menu bar in the default	default browsers (Microsoft Edge and	Website opens in the default
15 Open the website from the app	browser.	Google Chrome).	browser.
20 171 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Open/close the about dialog several times	
	Ensure that the about dialog box opens	in several different instances of the	
16 Open/close the about dialog box	and closes without error.	application and check for failures.	About dialog box is shown/closed.
To open, close the about dialog box	und croses without error.	application and effect for failures.	Text is deleted and removed from
		Write a basic file and make sure there are	the line. Text is added and rendered
4.11/	Ensure that the user can add/remove	no problems when adding or removing	on to the line. Text is editted at caret
17 Add/remove text from lines	text to/from the editor.	text.	position.
			Lines and or a subline is/are deleted
			and removed from editor/file. A line
			or subline is added and rendered on
		Write a basic file and make sure there are	to the line. A new line is created in
		no problems when adding or removing	the line underneath the old line, it is
		lines and sublines. Check that when adding	
	Ensure that the user can add/remove	sublines, if it already exists, the application	• •
	line and sublines to/from the editor.	selects the one that already exists. Check	selected. A new subline is created in
	Ensure that when lines are	that when removing lines (via highlight or	the correct place (ie, is in the right
Add/Remove lines and subline	added/removed, that sublines are	backspace) that if its subline exists, don't	order of lines). This new line is
		• •	
18 blocks	incremented apporpriatley.	remove it.	selected for editting.

			Subline button arrow is rendered
			when hovering and selecting it. The
			highlighter is in the appropriate
			position as it should be expected to
			be. It is also transparent and the
			colour that is selected in the
			SmartColour. The sidebar rectangle
			reaches from the top to bottom of
			each editor, each editor has its own
			sidebar. Text and numbers coloured
			depending on the SmartColour
			colours. Line numbers render as the
		Check that each GUI object is being	one colour. Caret renders where the
		rendered, do this by running the	editor, line and caretPos is selected.
		application and loking at each object.	Cursor image depends where in the
		(Subline button arrow, highlighter,	screen the cursor has moved to. It
	Ensure that all GUI objects render	selected line rectangle, sidebar, text and	should change depending on where
19 Run GUI objects and interface	efficiently and apropriatley.	line numbers, caret, cursor).	it is.