TEST CASE

For

C^3 (Crafting Cost Calculator)

Prepared by

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Project Name: Crafting Cost Calculator (C^3)

Created By: Code Crunchers

REQ-ID	TEST-ID	TEST OBJECTIVE	PRECONDITION	STEPS	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS	DEFECT-ID
REQ-0	TS-1	Verify starting of Crafting Cost Calculator	Application is installed on the computer	1. Click on the "START" button		Application should move to the enter inputs for Unadjusted Function Point.	Application moved to the expected result page.	PASSED	
REQ-1	TS-2	Verify inputs for Unadjusted Function Point	Window displays the menu for enter estimation value of Unadjusted Function Point	1. User enters all required fields of inputs except for one. 2. User clicks the "NEXT" button.	**User Inputs:** **Simple: 3** **Average: 4** **Complex: NULL** **User Outputs:** **Simple: 5** **Average: 7** **Complex: 3** **User Inquiries:** **Simple: 5** **Average: 6** **Complex: 2** **Internal Files:** **Simple: 3** **Average: 7** **Complex: 8** **External Files:**	Application should display an error message "Please enter all values before proceeding to the next section".	Application displays an error message "Please enter all values before proceeding to the next section".	PASSED	

					Simple: 9 Average: 7 Complex: 12				
REQ-1	TS-3	Verify inputs for Unadjusted Function Point	Window displays the menu for enter estimation value of Unadjusted Function Point	1.User enter character in required field.	**User Inputs:** **Simple: a** **Average: a** **Complex: a** **User Outputs:** **Simple: a** **Average: a** **Complex: a** **User Inquiries:** **Simple: a** **Average: a** **Complex: a** **Internal Files:** **Simple: a** **Average: a** **Complex: a** **External Files:** **Simple: a** **Average: a** **Complex: a**	Application should display error message "Cannot be character or space".	Application displays error message "Cannot be character or space".	PASSED	
REQ-3	TS-4	Calculate for Unadjusted Function Point	User clicks on "NEXT" button	1.User enter inputs for Simple, Average and complex of User Inputs. 2.User enter inputs for Simple, Average	**User Inputs:** **Simple: 3** **Average: 4** **Complex: 7** **User Outputs:** **Simple: 5**	Application should be able to calculate the correct value. **User Inputs**: 67 **User Outputs:** 76	Application successfully calculates the correct value. **User Inputs**: 67 **User Outputs:**	PASSED	

REQ	TS	Description	Precondition	Test Steps	Input Data	Expected Result	Actual Result	Status	
				and complex of User Outputs. 3.User enter inputs for Simple, Average and complex of User Inquiries. 4.User enter inputs for Simple, Average and complex of Internal Files. 5.User enter inputs for Simple, Average and complex of External Files. 6.User clicks on the "NEXT" button	**Average: 7** **Complex: 3** **User Inquiries:** **Simple: 5** **Average: 6** **Complex: 2** **Internal Files:** **Simple: 3** **Average: 7** **Complex: 8** **External Files:** **Simple: 9** **Average: 7** **Complex: 12**	**User Inquiries:** 51 **Internal Files:** 211 **External Files:** 214 **Unadjusted Function Point:** 619	76 **User Inquiries:** 51 **Internal Files:** 211 **External Files:** 214 **Unadjusted Function Point:** 619		
REQ_2, REQ_4	TS-5	Enter inputs for Adjusted Function Points and calculate the values.	User must enter the data for Unadjusted Function Points and click the "NEXT" button. The windows with the form for Adjusted Function Point are displayed.	1.User need to tick the value displayed for 14 General System Characteristics (GSC) of their system. -Backup and recovery -Data communications -Distributed processing functions -Performance Critical -Run in existing	-Backup and recovery [4] -Data communications [4] -Distributed processing functions [3] -Performance Critical [5] -Run in existing operation [5] -On-line data entry [4] -Data transaction [3] -Conversion and	Application should be able to calculate the correct value. **Adjusted Function Points**: 1.21	Application successfully calculates the correct value. **Adjusted Function Points**: 1.21	PASSED	

				operation. -On-line data entry -Data transaction -Conversion and installation -Multiple installations -Facilitate change -Master file updated online -Complex input, output or inquiries -Complex internal processing -Reusable code 2.User then saves the entered output.	installation [4] -Multiple installations [5] -Facilitate change [4] -Master file updated online [3] -Complex input, output or inquiries [4] -Complex internal processing [3] -Reusable code [5]				
REQ_2	TS-6	Verify error handling	When the user did not tick any one of the forms.	One of the forms is unticked by the user.	Tick only 13 forms instead of 14 forms	The error pop-up message will appear and tell the user which question(s) is unticked	The pop-up error appears and displays the unticked question number.	PASSED	
REQ_5	TS-7	Calculate Function Points	The user already input the values for Unadjusted Function Points and Adjusted Function Points	1.The user answer the question needed to calculate Unadjusted Function Points 2.The user answer the 14 General System Requirements (GSC) to calculate the Adjusted Function Points	The value of Unadjusted Function Points: 619 The value of Adjusted Function Points: 1.21	The value of Function Points: 748.99	The value of Function Points: 748.99	PASSED	

REQ_6	TS-8	Choose the language	Window displays the menu for select language	1.User choose any language from the dropdown. 2.. User clicks the "NEXT" button.	Programming language : C++	Application should be able to get the correct value for programming language C++.	Application able to get the correct value for programming language C++.	PASSED	
REQ_6	TS-9	Verify error handling	When the user did not choose the language.	Language wasn't chosen by a user.	Didn't choose the language from the dropdown in form.	The error pop-up message will appear and tell the user to select the language	The pop-up error appears and displays the error message that the user didn't choose language.	PASSED	
REQ_8	TS-10	Choose the type of application.	Window displays the menu for choosing the type of application.	1.User choose a type of application 2.User clicks the "NEXT" button.	Type of application: Organic	Application should be able to get the value of a=2.4, b=1.05, c=2.5, d=0.38.	Application gets the value of a=2.4, b=1.05, c=2.5, d=0.38.	PASSED	
REQ_8	TS-11	Verify error handling	When the user did not choose the type of application.	1. User does not select the type of application.	Type of application: NULL	The error pop-up message will appear and tell the user to select the type of application	The pop-up error appears and displays the error message that the user didn't choose the type of application	PASSED	
REQ_12	TS-12	Enter the staff's salary per month.	Window displays the menu for user to enter staff's salary per month	1.User enter the input for staff's salary per month 2.User clicks the "NEXT" button.	Staff's salary per month: 2500.00	Application should be able to get the correct value of salary entered.	Application successfully gets the correct value of salary entered.	PASSED	

REQ_12	TS-13	Verify error handling	When the user did not input the staff's salary per month.	1.Staff's salary per month wasn't input by a user.	Didn't enter the input staff's salary per month in form.	The error pop-up message will appear and tell the user to enter the staff's salary per month.	The pop-up error appears and displays the error message that the user didn't enter staff's salary per month.	PASSED
REQ-12	TS-14	Verify error handling	When the user enters character or white space	1.User enters character or white space	Salary: a	Application should be able to display error message "Cannot be character or space".	Application successfully displays the error message "Cannot be character or space".	PASSED
REQ_6, REQ_8, REQ_12	TS-15	Choose the language ,type of application and enter the input staff's salary per month .	Window displays the menu for user to choose the language ,type of application and enter the input staff's salary per month	1.User will choose a language 2.User will choose a type of application 3.User will enter the input staff's salary per month 2.User clicks the "NEXT" button.	Programming language : Java Type of application: Semi-detached Staff's salary per month : 3500	Application should move to the result page.	Application moved to the expected result page.	PASSED
REQ_7, REQ_9, REQ_10, REQ_11, REQ_13, REQ_14, REQ_15	TS-16	Calculate KLOC Calculate effort based on type of application Calculate time development	Windows display the result to the user based on calculation.			Application should be able to display correctly. Function Point: 748.99	Application able to display the result correctly Function Point: 748.99	PASSED

		based on type of application Calculate number of staff required in a month Calculate number of staff required in the project Calculate cost estimation for the project Display result of calculation of the project for user				Effort: 185.235 Time development: 15.547 Staff required for a project: 1 Staff Required in a month: 12 Cost estimation: 41701.17	Effort: 185.235 Time development: 15.547 months Staff required for a project: 1 person Staff Required in a month: 12 persons Cost estimation: RM41701.17		
REQ_16	TS-17	Save result of calculations for user in file	Messages will pop up if the result is successful to be inserted into the file.			Application should display a message "Success! Value will be inserted in file!" if the result is successful to be inserted.	Application displays a message "Success! Value will be inserted in file!".	PASSED	