Software Test Plan - Team Ten

Use Case Id:	UC_01	Use Case Name:	File Input	Test Date:	11-24-25
Test Case Id:	TC_01	Test Case Name:	Non-.C file submitted	Tester:	Emma Whitehead
Steps	Inputs	Expected Output	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on upload file button	File explorer opens	File explorer opens	Pass	
3.	Select a non .c file to submit and click open.	Message displays confirming file saved.	Message displays confirming file saved.	Pass	
4.	User presses ok	Message closes.	Message closes.	Pass	
5.	Program checks file type	Rejects non-.C files	Rejects non-.C files	Pass	

Use Case Id:	UC_01	Use Case Name:	File Input	Test Date:	11-24-25
Test Case Id:	TC_02	Test Case Name:	.C file submitted	Tester:	Emma Whitehead
Steps	Inputs	Expected Output	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on upload file button	File explorer opens	File explorer opens	Pass	
3.	Select a .c file to submit and click open	Message displays confirming file saved.	Message displays confirming file saved.	Pass	
4.	User presses ok	Message closes.	Message closes.	Pass	

Use Case Id:	UC_01	Use Case Name:	File Input	Test Date:	11-24-25
Test Case Id:	TC_08	Test Case Name:	Cancel file input	Tester:	Emma Whitehead
Steps	**Inputs**	**Expected Output**	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on submit file button	File explorer opens	File explorer opens	Pass	
3.	User cancels upload by pressing cancel button or escape key	Error message displays system cannot find path	Error message displays system cannot find path	Pass	
4.	User presses ok	Error message closes and returns user to main program window	Error message closes and returns user to main program window	Pass	

Use Case Id:	UC_02	Use Case Name:	Vulnerability Check	Test Date:	11-24-25
Test Case Id:	TC_03	Test Case Name:	.c file has no found vulnerabilities	Tester:	Emma Whitehead
Steps	**Inputs**	**Expected Output**	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on submit file button	File explorer opens	File explorer opens	Pass	
3.	Select a .c file without vulnerabilities to submit and click open	Message displays confirming file saved.	Message displays confirming file saved.	Pass	
4.	User clicks ok	Message closes.	Message closes.	Pass	
4.	User presses scan for vulnerabilities button	Program scans file and a report opens with the vulnerabilities found	Program scans file and a report opens with the	Pass	

			vulnerabilities found		
5.	User Selects vulnerabilities found			Pass	

Use Case Id:	**UC_02**	Use Case Name:	Vulnerability Check	Test Date:	11-24-25
Test Case Id:	**TC_04**	**Test Case Name:**	.c file has found vulnerabilities	Tester:	Emma Whitehead
Steps	**Inputs**	**Expected Output**	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on submit file button	File explorer opens	File explorer opens	Pass	
3.	Select a .c with vulnerabilities file to submit and click open	Message displays confirming file saved.	Message displays confirming file saved.	Pass	
4.	User clicks ok	Message closes.	Message closes.	Pass	
5.	User presses scan for vulnerabilities button	Program scans file a report opens with the vulnerabilities found	Program scans file a report opens with the vulnerabilities found	Pass	
6.	User Selects vulnerabilities found			Pass	

Use Case Id:	**UC_02**	Use Case Name:	Vulnerability Check	Test Date:	11-24-25
Test Case Id:	**TC_09**	**Test Case Name:**	No file vulnerability check	Tester:	Emma Whitehead
Steps	**Inputs**	**Expected Output**	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on scan for vulnerabilities button	Error message displays request that user upload file first	Error message displays request that user upload file first	Pass	

	3.	User clicks ok on error message	Error message closes and user is returned to main UI window	Error message closes and user is returned to main UI window	Pass	

Use Case Id:	UC_03	Use Case Name:	graph display	Test Date:	11-24-25
Test Case Id:	TC_05	Test Case Name:	CFG graph display	Tester:	Emma Whitehead
Steps	Inputs	Expected Output	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on submit file button	File explorer opens	File explorer opens	Pass	
3.	Select a .c file to submit and click open	Message displays confirming file saved.	Message displays confirming file saved.	Pass	
4.	User presses ok	Message closes.	Message closes.	Pass	
5.	user selects CFG graph in the select a graph menu	the selected options becomes highlighted	the selected options becomes highlighted	Pass	
6.	user selects generate graphs	CFG graph is displayed	CFG graph is displayed	Pass	

Use Case Id:	UC_03	Use Case Name:	graph display	Test Date:	11-24-25
Test Case Id:	TC_06	Test Case Name:	CALL Graph display	Tester:	Emma Whitehead
Steps	Inputs	Expected Output	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on submit file button	File explorer opens	File explorer opens	Pass	

Steps	Inputs	Expected Output	Actual Result	(Pass/Fail)	Comment
3.	Select a .c file to submit and click open	Message displays confirming file saved.	Message displays confirming file saved.	Pass	
4.	User presses ok	Message closes.	Message closes.	Pass	
5.	user selects CALL graph in the select a graph menu	the selected options becomes highlighted	the selected options becomes highlighted	Pass	
6.	user selects generate graphs	CALL graph is displayed	CALL graph is displayed	Pass	

Use Case Id:	**UC_03**	Use Case Name:	graph display	Test Date:	11-24-25
Test Case Id:	**TC_07**	**Test Case Name:**	AST GRAPH	Tester:	Emma Whitehead
Steps	**Inputs**	**Expected Output**	Actual Result	(Pass/Fail)	Comment
1.	User opens Interface	UI loads	UI loads	Pass	
2.	Click on submit file button	File explorer opens	File explorer opens	Pass	
3.	Select a .c file to submit and click open	Message displays confirming file saved.	Message displays confirming file saved.	Pass	
4.	User clicks ok	Message closes.	Message closes.	Pass	
5.	user selects AST graph in the select a graph menu	the selected options becomes highlighted	the selected options becomes highlighted	Pass	
6.	user selects generate graphs	AST graph is displayed	AST graph is displayed	Pass	