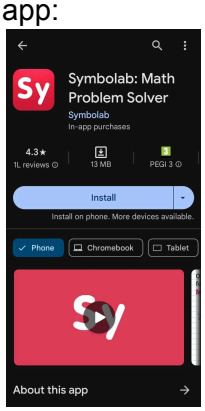
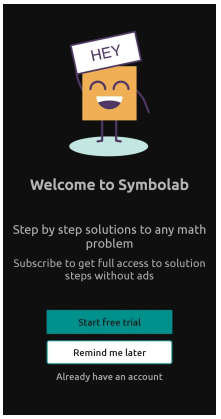
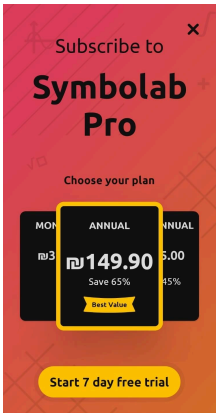
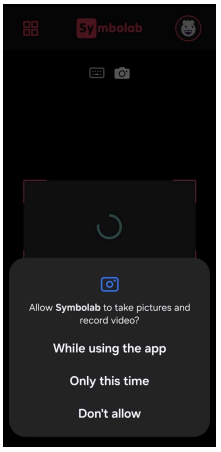
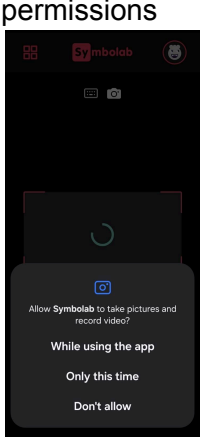
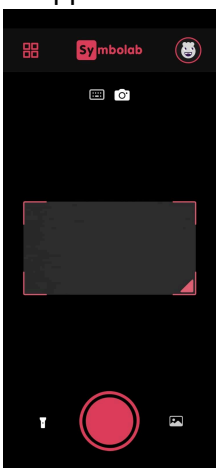
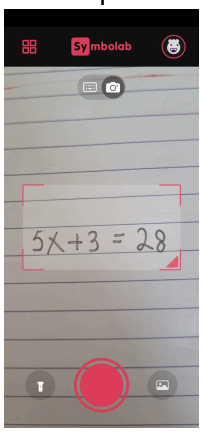
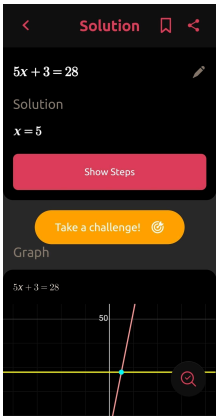
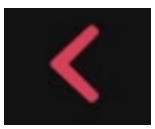
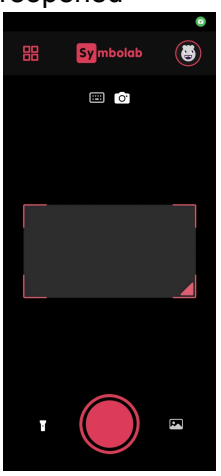
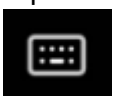
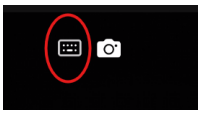
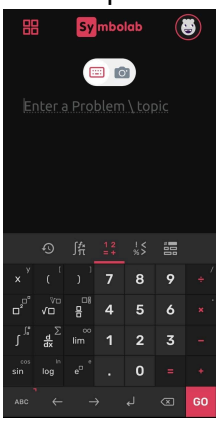
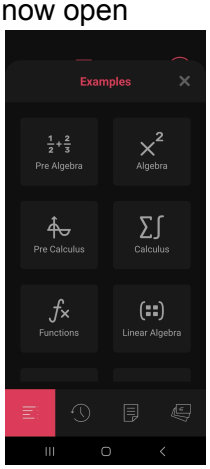
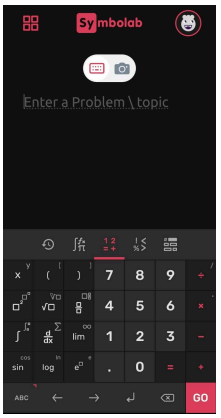
Symbolab application

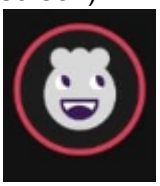
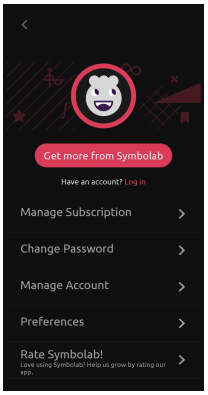
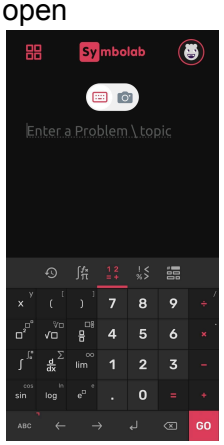
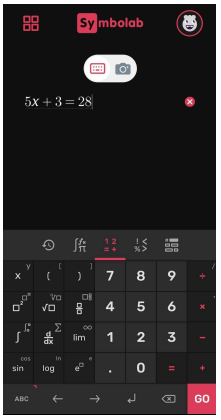
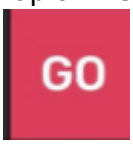
Smoke test
Prerequisites: • Stable internet connection • Mobile device • Camera access
Test description: Testing the functionality of: • Solution Accuracy • Camera and photo capture • Keypads Version: 10.6.2

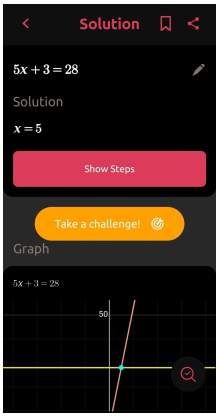
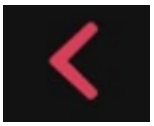
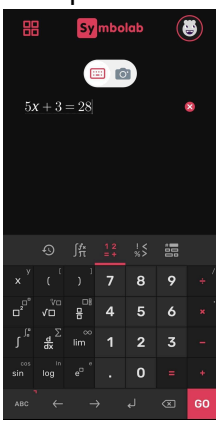
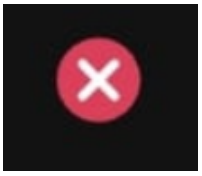
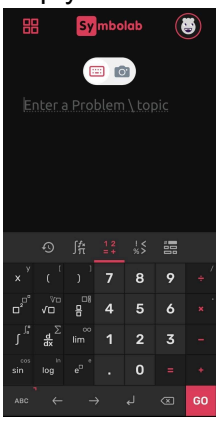
Step	Action	Expected results	Actual results	Pass/Fail
1	Install the “Symbolab” app: 	The app will be successfully installed to the mobile device	The app has successfully installed to the mobile device	Pass
2	Launch the app	A “Welcome” page will appear	A “Welcome” page appears	Pass

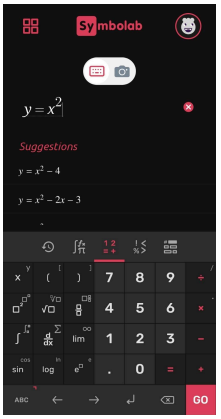
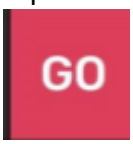
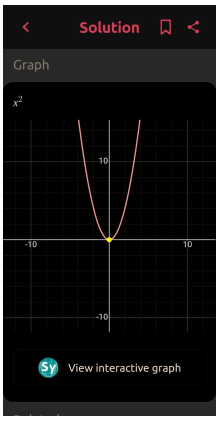
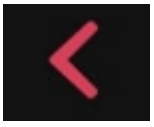
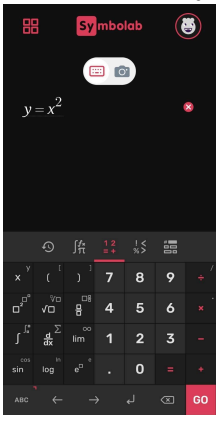
				
3	Click on ”Start free trial” 	A “Subscription” page will appear	A “Subscription” page appears 	Pass
4	Click on the “x” (Located on the upper right) 	The app’s camera will open	The app’s camera has opened 	Pass

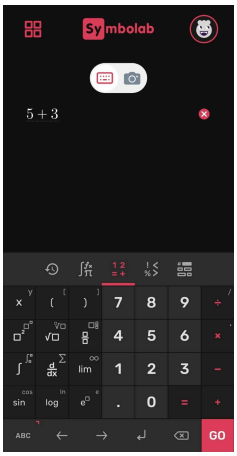
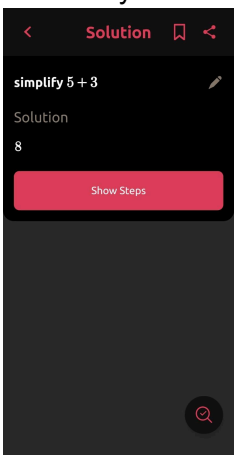
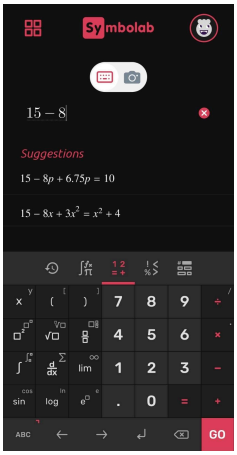
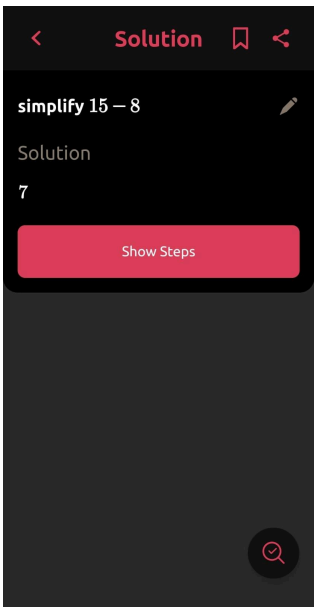
Camera and photo capture				
5	Allow camera permissions 	The permission window will disappear	The permission window disappeared 	Pass
6	Take a photo of a hand-written math equation 	The problem will be captured accurately in the Symbolab app	The “Solution” page appears 	Pass
7	Tap on the arrow 	The camera will reopen	The camera has reopened 	Pass

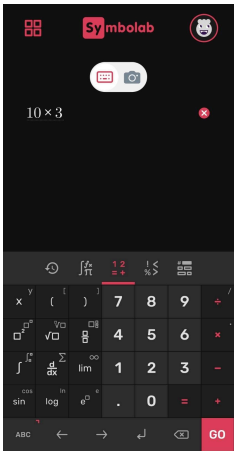
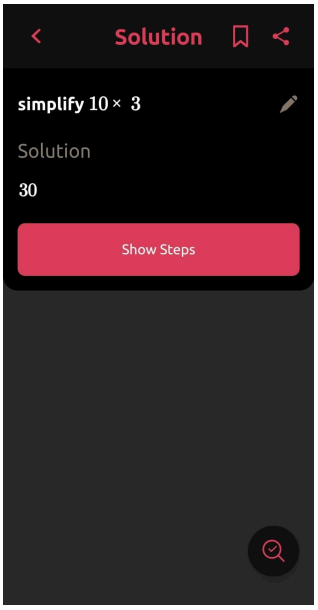
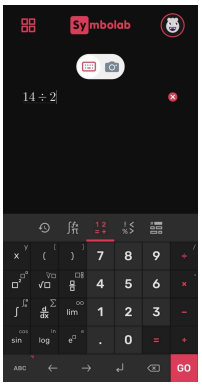
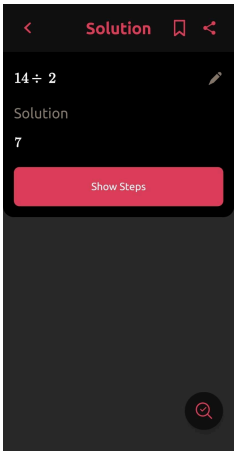
Keyboard and numeric keypads				
8	Tap on  	The app's main screen will open	The app's main screen is now opened 	Pass
9	Tap on  (Located on the upper left of the default screen)	Examples window will be displayed	'Examples' window is now open 	
10	Tap on the 'x' 	Default screen will appear	Default screen appears 	
11	Tap on the avatar (Located on the upper right of the default	'Login' page will appear	'Login' page appears	

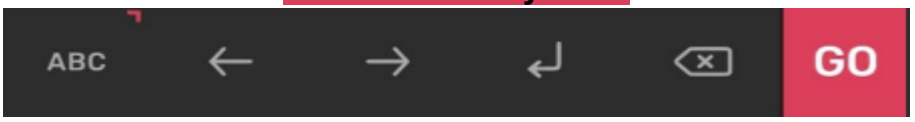
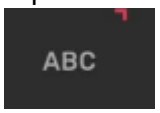
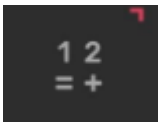
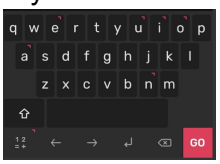
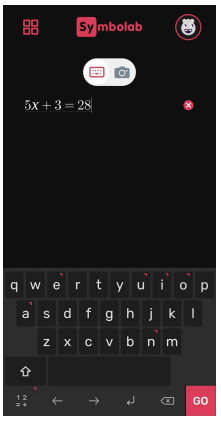
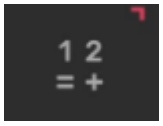
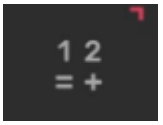
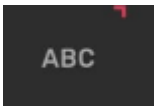
	screen) 			
12	Tap the arrow (Located on the upper left)	Default screen will open	Default screen is now open 	
13	Type in the math equation **‘5x + 3 = 28’**	The selected characters will appear on the “input” screen	The selected characters appear on the “input” screen 	Pass
14	Tap on “Go” 	The ‘Solution’ page will appear The solution will be accurate x = 5	The ‘Solution’ page appears The solution is accurate	Pass

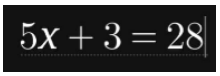
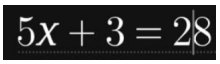
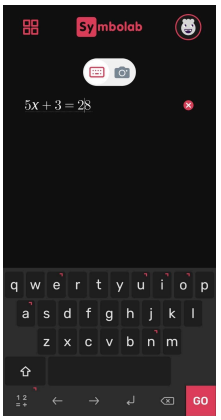
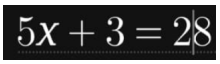
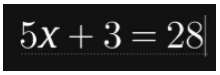
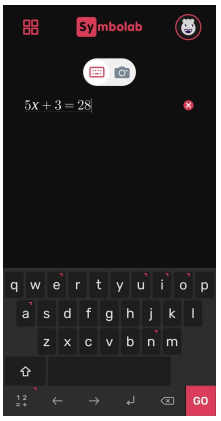
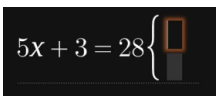
				
15	Tap on the arrow 	The screen will return to its previous display	The screen has returned to its previous display 	Pass
16	Tap the “x” 	The math problem inside the input field will be deleted	The input field is now empty 	Pass
17	Plot the function: **y = x^2**	The function will display on the input screen	The function displays on the input screen	Pass

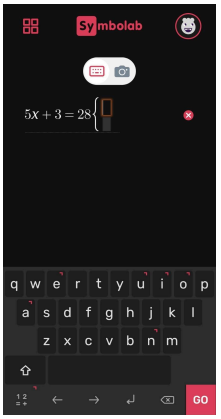
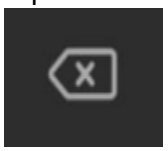
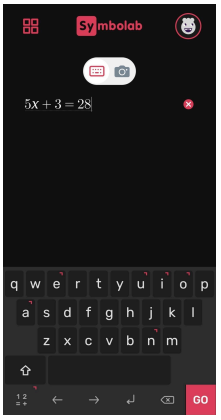
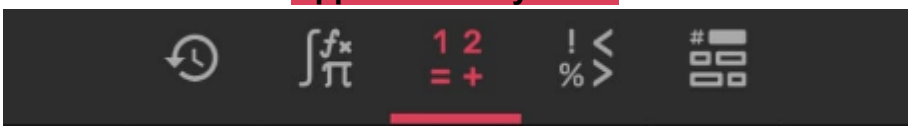
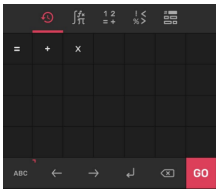
				
18	Tap on “Go” 	The function **y = x^2** will be accurately reflected in the graph	Graph is displayed accurately 	Pass
19	Tap on the arrow 	The app will return to its previous display Suggestions will not display**	App has returned to its previous display 	Pass

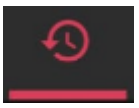
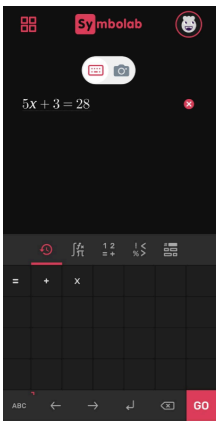
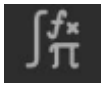
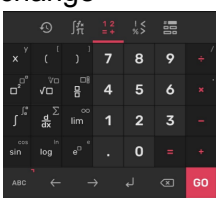
Basic calculations				
20	Perform an '**addition**' calculation **5 + 3**	**'5 + 3'** will display on the input screen 	The solution is shown accurately 	Pass
21	Perform a '**subtraction**' calculation **15 - 8**	**'15 - 8'** will display on the input screen 	The solution is accurate 	Pass
22	Perform a **multiplication** calculation **10*3**	**'10*3'** will display on the input screen	The solution is accurate	Pass

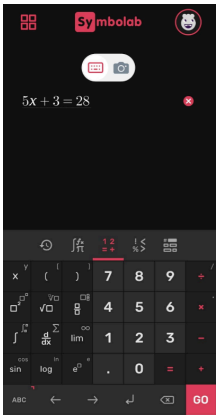
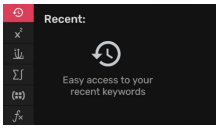
				
23	Perform a **division** calculation **14/2**	**'14/2'** will display on the input screen 	The solution is accurate 	Pass

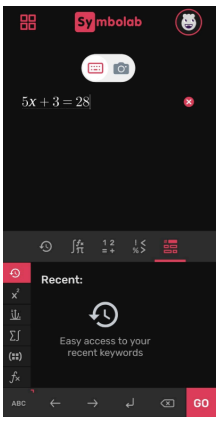
Bottom bar - Keyboard 				
24	Tap on 	The “ABC” button will change to the “calculate” button  The numeric keypad will change into a keyboard 	The “ABC” button changed to the “calculate” button The numeric keypad is now a keyboard The screen looks like this: 	Pass
25	Tap on the “Calculate” button 	The “Calculate” button  will change to the “ABC” button  The keyboard will change into a numeric keypad	The “Calculate” button changed to the”ABC” button The numeric keypad is now a keyboard 	Pass

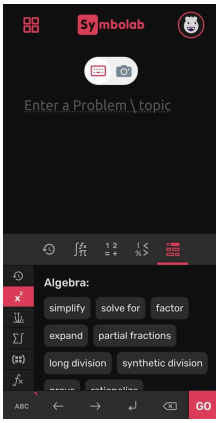
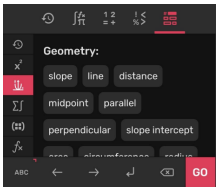
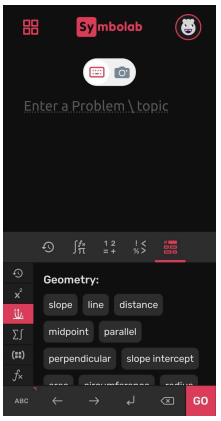
26	Tap on  (Bottom bar)	The cursor will move to the left of the equation From this:  To this: 	The cursor moved to the left of the equation The screen looks like this 	Pass
27	Tap on  (Bottom bar)	The cursor will move to the right of the equation From this:  To this: 	The cursor moved to the right of the equation The screen looks like this: 	Pass
28	Tap on  (Bottom bar)	Curly brackets will appear on the right side of the equation 	Curly brackets appear on the right side of the equation The screen looks like this:	Pass

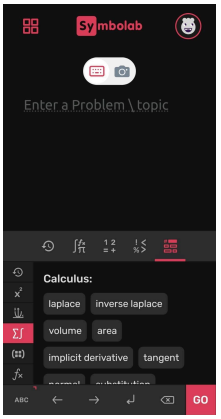
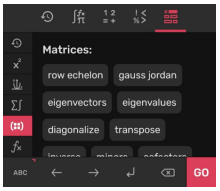
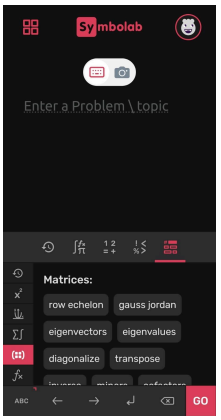
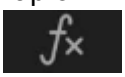
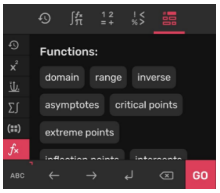
				
29	Tap on  (Bottom bar)	The digits to the left of the cursor will be deleted	The brackets no longer appear The screen looks like this: 	Pass
Upper bar - Keyboard 				
30	Tap on  (Upper bar)	The numeric keypad will show the recently used characters  The button will become red	The numeric keypad shows the recently used characters The button has turned red The screen looks like this:	Pass

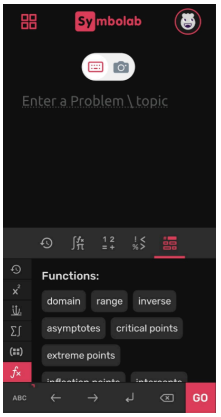
				
31	Tap on 	The numeric keypad will change  The button will become red 	The numeric keypad has changed The button has turned red The screen looks like this: 	Pass
32	Tap on  (Upper line)	The numeric keypad will change  The button will become red	The numeric keypad has changed The button has turned red The screen looks like this:	Pass

				
33	Tap on  (Upper line)	The numeric keypad will change  The button will turn red 	The numeric keypad has changed The button has turned red The screen looks like this: 	Pass
34	Tap on  (Upper bar)	The numeric keypad will change into a “Recent” window Side menu will appear There will be a side menu  The button will turn red	The numeric keypad has changed There is a side menu The screen looks like this:	Pass

				
Side menu - Keyboard 				
35	Tap on 	Algebra examples screen will appear 	Algebra examples screen appears The button is now red The screen looks like this:	Pass

		The button will turn red 		
36	Tap on 	“Geometry- examples” screen will appear  The button will turn red 	“Geometry- examples” screen appears The button is now red The screen looks like this: 	Pass
37	Tap on 	“Calculus” screen will appear  The button will turn red 	“Calculus” screen appears The button is now red The screen looks like this:	Pass

				
38	Tap on 	“Matrices” screen will appear  The button will turn red 	“Matrices” screen appears The button is now red The screen looks like this 	Pass
39	Tap on 	“Functions” screen will appear  The button will turn red 	“Functions” screen appears The button is now red The screen looks like this	Pass

			 Symbolab Enter a Problem \ topic Functions: domain range inverse asymptotes critical points extreme points ABC GO	