

Test Description:

Sanity test on allowing Bluetooth permissions.

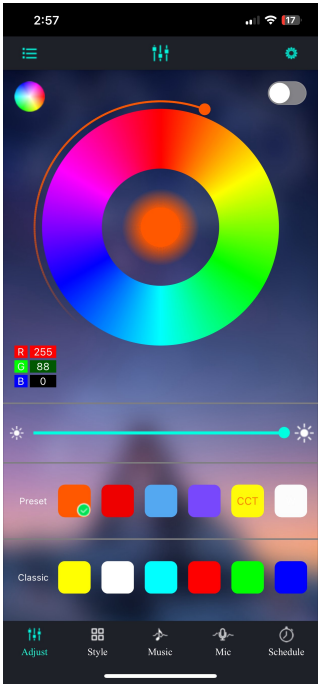
Test Purpose: In this test we will check if allowing Bluetooth permissions works as intended.	
Test Run Information: Tester Name: Avihai Shomrat Date of Test: 28/11/2023	Prerequisites for this test: Have an IOS device that is up to date. Have internet connection. Have Bluetooth connection. Have access to App store. Software Versions: 5.0.3 Application: duoCo Strip Operating System: IOS Required Configuration: No special setup needed
NOTES and RESULTS:	


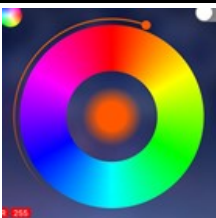


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TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
Sanity – Functional – allowing Bluetooth permissions					
1.	Reset app permissions in the phone's settings.			PASS	
2.	Click on the app's icon	The app will launch	The app launched	PASS	
3.	Allow duoCo Strip use Bluetooth	After opening the app, the user will receive a pop-up asking to allow the usage of Bluetooth. Clicking on "OK" will allow the app use Bluetooth.	After opening the app, the user received a pop-up asking to allow the usage of Bluetooth. Clicking on "OK" allowed the app use Bluetooth.	PASS	
4.	toggle on LED light	Toggling on the switch will turn on the LED lights	Toggling on the switch turned on the LED lights	PASS	
Sanity – Error handling – allowing Bluetooth permissions					
1.	Reset app permissions in the phone's settings	The app's permissions will be rest	The app's permissions rest	PASS	
2.	Click on the app's icon	The app will launch	The app launched	PASS	




TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
3.	Deny duoCo Strip usage of Bluetooth	After opening the app, the user will receive a pop-up asking to allow the usage of Bluetooth. Clicking on "Don't allow" will not allow the app to use Bluetooth.	After opening the app, the user received a pop-up asking to allow the usage of Bluetooth. Clicking on "Don't allow" doesn't allow the app to use Bluetooth.	PASS	
4.	Toggle on LED light	The app will notify the user that they have not allowed usage of Bluetooth by the app	The app didn't notify the user that they have not allowed usage of Bluetooth by the app and the user can change settings without then actually changing in the lights	FAIL	


Test Description:
Sanity test on the “Adjust” tab.


Test Purpose: In this test we will check if the “Adjust” tab and its features work as intended.	
Test Run Information: Tester Name: Avihai Shomrat Date of Test: 28/11/2023	Prerequisites for this test: Have an IOS device that is up to date. Have internet connection. Have Bluetooth connection enabled, and app permissions allowed.
	Software Versions: 5.0.3 Application: duoCo Strip Operating System: IOS
	Required Configuration: No special setup needed
	NOTES and RESULTS: 

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
Sanity – Functional – “Adjust” tab – Color Select					
1.	Click on the app's icon	The app will launch	The app launched	PASS	
2.	Toggle on the on/off button 	Toggling on the button will turn on the LED lights.	Toggling on the button turned on the LED lights.	PASS	
3.	Select green from the color wheel 	Selecting green from the color wheel will change the LED lights to green and change the inner circle to green	Selecting green from the color wheel changed the LED lights to green and changed the inner circle to green	PASS	
4.	Click on a manual color select feature 	Clicking on the manual color select feature will open a menu where the user can manually select colors 	Clicking on the manual color select feature opened a menu where the user can manually select colors	PASS	
5.	Swipe the R slider to 255	Slider is moveable (0-255) and color preview changes according to the RGB color amount	Slider was moveable (0-255) and color preview changed according to the RGB color amount	PASS	
6.	Swipe the R slider to 0	Slider is moveable (0-255) and color preview changes according to the RGB color amount	Slider was moveable (0-255) and color preview changed according to the RGB color amount	PASS	
7.	Swipe the G slider to 255	Slider is moveable (0-255) and color preview changes according to the RGB color amount	Slider was moveable (0-255) and color preview changed according to the RGB color amount	PASS	
8.	Swipe the G slider to 0	Slider is moveable (0-255) and color preview changes according to the RGB color amount	Slider was moveable (0-255) and color preview changed according to the RGB color amount	PASS	
9.	Swipe the B slider to 255	Slider is moveable (0-255) and color preview changes according to the RGB color amount	Slider was moveable (0-255) and color preview changed according to the RGB color amount	PASS	

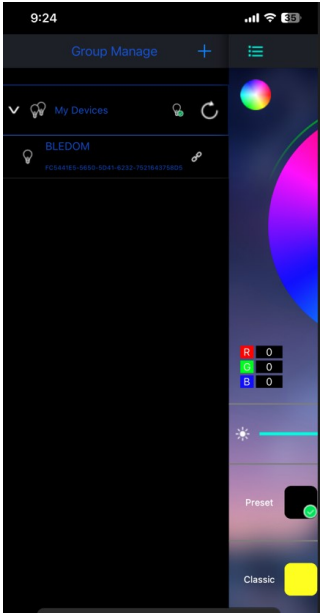
TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
10.	Swipe the B slider to 0	Slider is moveable (0-255) and color preview changes according to the RGB color amount	Slider was moveable (0-255) and color preview changed according to the RGB color amount	PASS	
11.	Verify the preview color is black when all the sliders are on 0	When all the sliders are on 0 the preview color is black	When all the sliders were on 0 the preview color was black	PASS	
12.	Verify the preview color is white when all the sliders are on 255	When all the sliders are on 255 the preview color is white	When all the sliders were on 255 the preview color was white	PASS	
13.	Create blue (R and G slider on 0 and B slider is 255)	After setting the R, G sliders on 0 and B on 255 the preview color will change to blue	After setting the R, G sliders on 0 and B on 255 the preview color changed to blue	PASS	
14.	Click on "Cancel"	Clicking on Cancel will close the manual adjust menu and won't save the changes	Clicking on Cancel closed the manual adjust menu and didn't save the changes	PASS	
15.	Click on a manual color select feature 	Clicking on the manual color select feature will open a menu where the user can manually select colors 	Clicking on the manual color select feature opened a menu where the user can manually select colors	PASS	
16.	Create blue (R and G slider on 0 and B slider is 255)	After setting the R, G sliders on 0 and B on 255 the preview color will change to blue	After setting the R, G sliders on 0 and B on 255 the preview color changed to blue	PASS	
17.	Click on "OK"	Clicking on "OK" will close the menu, save the changes, and change the color of the LED light to the selected color	Clicking on "OK" closed the menu, saved the changes, and changed the color of the LED light to the selected color	PASS	
Sanity – Functional- negative – "Adjust" tab – Color select					
1.	Click on a manual color select feature 	Clicking on the manual color select feature will open a menu where the user can manually select colors 	Clicking on the manual color select feature opened a menu where the user can manually select colors	PASS	




TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
2.	Try to take the R slider outside of its limits 256	The slider won't go higher than 255	The slider didn't go higher than 255	PASS	
3.	Try to take the G slider outside of its limits 256	The slider won't go higher than 255	The slider didn't go higher than 255	PASS	
4.	Try to take the R slider outside of its limits 256	The slider won't go higher than 255	The slider didn't go higher than 255	PASS	
5.	Try to take the R slider outside of its limits -1	The slider won't go lower than 0	The slider didn't go higher than 0	PASS	
6.	Try to take the G slider outside of its limits -1	The slider won't go lower than 0	The slider didn't go higher than 0	PASS	
7.	Try to take the B slider outside of its limits -1	The slider won't go lower than 0	The slider didn't go higher than 0	PASS	
Sanity – GUI – “Adjust” tab – Color select					
1.	Verify the manual adjust button is in the left middle part of the screen	The button is on the middle-left part of the screen and isn't overlapping with other elements on the screen	The button was on the middle-left part of the screen and wasn't overlapping with other elements on the screen	PASS	
2.	Click on a manual color select feature 	A user-friendly menu will open in the middle of the screen, hiding the main tab, the menu can be exited	A user-friendly menu opened in the middle of the screen, hiding the main tab, the menu can be exited	PASS	
Sanity – Functional – “Adjust” tab – Brightness					
1.	Open the app	The app will launch	The app launched	PASS	
2.	Toggle on the on/off button 	Toggling on the button will turn on the LED lights	Toggling on the button turned on the LED lights	PASS	
3.	Slide the Brightness slider all the way to the left	The slider is slidable and when slid all the way to the left the LED lights change brightness to the darkest	The slider was slidable and when slid all the way to the left the LED lights changed brightness to the darkest	PASS	
4.	Slide the Brightness slider all the way to the right	The slider is slidable and when slid all the way to the left the LED lights change brightness to the brightest	The slider was slidable and when slid all the way to the left the LED lights changed brightness to the brightest	PASS	
Sanity – Functional- negative – “Adjust” tab – Brightness					
1.	Toggle on the on/off button 	Toggling on the button will turn on the LED lights.	Toggling on the button turned on the LED lights.	PASS	
2.	Try to slide the Brightness slider left past the border	The Slider won't go past the left border	The Slider didn't go past the left border	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
3.	Try to slide the Brightness slider right past the border	The Slider won't go past the right border	The Slider didn't go past the right border	PASS	
Sanity – GUI – “Adjust” tab – Brightness					
1.	Open the app	The app will launch	The app launched	PASS	
2.	Verify the Brightness slider is user-friendly and isn't overlapping with other elements on the screen	the Brightness slider is user-friendly and isn't overlapping with other elements on the screen	the Brightness slider was user-friendly and wasn't overlapping with other elements on the screen	PASS	
Sanity – Functional – “Adjust” tab – Preset					
1.	Click on the app's icon	The app will launch	The app launched	PASS	
2.	Toggle on the on/off button 	Toggling on the button will turn on the LED lights.	Toggling on the button turned on the LED lights.	PASS	
3.	Click on the first preset button	The button is clickable and when clicked is marked with a small check to show the user they have selected the button	The button was clickable and when clicked was marked with a small check to show the user they have selected the button	PASS	
4.	Change the LED's color to red	Changing the LED's color to red while the preset button is marked, the inner color of the button changes to the selected color.	Changing the LED's color to red while the preset button is marked, the inner color of the button changed to the selected color.	PASS	
5.	Click on the second preset button.	The button is clickable and when clicked is marked with a small check to show the user they have selected the button	The button was clickable and when clicked was marked with a small check to show the user they have selected the button	PASS	
6.	Change the LED's color to blue	Changing the LED's color to blue while the preset button is marked, the inner color of the button changes to the selected color.	Changing the LED's color to blue while the preset button is marked, the inner color of the button changed to the selected color.	PASS	
7.	Click on the first preset button	The button is clickable, when clicked is marked with a small check to show the user they have selected the button and the LED's color changes to the color the user set before	The button was clickable, when clicked was marked with a small check to show the user they have selected the button and the LED's color changed to the color the user set before	PASS	
Sanity – GUI – “Adjust” tab – Preset					

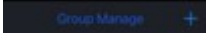
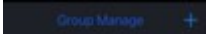
TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
1.	Click on the app's icon	The app will launch	The app launched	PASS	
2.	Verify the Preset buttons are in the low middle part of the screen, have no spelling errors and is shown in a simple, user-friendly way	the Preset buttons are in the low middle part of the screen, have no spelling errors and are shown in a simple, user-friendly way	the Preset buttons were in the low middle part of the screen, had no spelling errors and were shown in a simple, user-friendly way	PASS	
Sanity – functional – “Adjust” tab – Classic					
3.	Click on the app's icon	The app will launch	The app launched	PASS	
4.	Toggle on the on/off button 	Toggling on the button will turn on the LED lights.	Toggling on the button turned on the LED lights.	PASS	
5.	Click on the yellow classic button	The button is clickable and when clicked the LED light's color changes to yellow	The button was clickable and when clicked the LED light's color changed to yellow	PASS	
6.	Click on the white classic button	The button is clickable and when clicked the LED light's color changes to white	The button was clickable and when clicked the LED light's color changed to white	PASS	
7.	Click on the cyan classic button	The button is clickable and when clicked the LED light's color changes to cyan	The button was clickable and when clicked the LED light's color changed to cyan	PASS	
8.	Click on the red classic button	The button is clickable and when clicked the LED light's color changes to red	The button was clickable and when clicked the LED light's color changed to red	PASS	
9.	Click on the green classic button	The button is clickable and when clicked the LED light's color changes to green	The button was clickable and when clicked the LED light's color changed to green	PASS	
10.	Click on the blue classic button	The button is clickable and when clicked the LED light's color changes to blue	The button was clickable and when clicked the LED light's color changed to blue	PASS	
Sanity – GUI – “Adjust” tab – Classic					
11.	Click on the app's icon	The app will launch	The app launched	PASS	
12.	Verify the Preset buttons are in the low part of the screen, “preset” has no spelling errors, the buttons are not overlapping each other and are shown in a user-friendly way	the Preset buttons are in the low part of the screen, “preset” has no spelling errors, the buttons are not overlapping each other and are shown in a user-friendly way	the Preset buttons were in the low part of the screen, “preset” had no spelling errors, the buttons were not overlapping each other and were shown in a user-friendly way	PASS	

Test Description:
Sanity test on the “Group manage” tab.

Test Purpose: In this test we will check if the “Group manage” and its features work as intended.	
Test Run Information: Tester Name: Avihai Shomrat Date of Test: 03/12/2023	Prerequisites for this test: Have an IOS device that is up to date. Have Bluetooth connection enabled, and app permissions allowed.
	Software Versions: 5.0.3 Application: duoCo Strip Operating System: IOS
	Required Configuration: No special setup needed
NOTES and RESULTS: 	

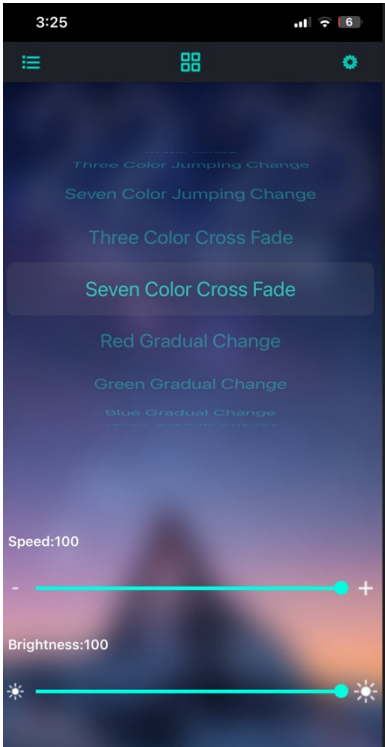
TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
Sanity – Functional – “Group Manage” feature					
1.	Click on the app's icon	The app will launch	The app launched	PASS	
2.	Click on the 3 lines at the top left of the screen 	The button is clickable, and when clicked opens a side menu where the user can see all their LED strip lights and can manage them and group there. There is a default group of “My Devices”	The button was clickable, and when clicked opened a side menu where the user can see all their LED strip lights and can manage groups and lights from there. There was a default group of “My Devices”	PASS	
3.	Click on the + button in the top right of the screen. 	+ button is clickable and when clicked opens a pop up where the user can enter a name for the group	+ button was clickable and when clicked opened a pop up where the user can enter a name for the group	PASS	
4.	Click on “Cancel”	Clicking on Cancel will close the pop-up without creating a new group	Clicking on Cancel closed the pop-up without creating a new group	PASS	
5.	Click on the + button in the top right of the screen. 	+ button is clickable and when clicked opens a pop up where the user can enter a name for the group	+ button was clickable and when clicked opened a pop up where the user can enter a name for the group	PASS	
6.	Enter valid name: “Bedroom” and click “OK”	The app will let the user enter “Bedroom” as name, and when clicking “OK” will close the pop-up, and create a new empty group named “Bedroom”	The app let the user enter “Bedroom” as name, and when clicking “OK” closed the pop-up, and created a new empty group named “Bedroom”	PASS	
7.	Click on “Bedroom” group	Clicking on “Bedroom” group will select it, add a small lightbulb icon next to it, change the arrow icon to arrow down, and will show the user all saved devices in the group.	Clicking on “Bedroom” group selected it, added a small lightbulb icon next to it, changed the arrow icon to arrow down, and showed the user all saved devices in the group.	PASS	
8.	Click on the “Pen” tool	Clicking on the “Pen” tool will open a pop-up in which the user can rename the group	Clicking on the “Pen” tool opened a pop-up in which the user can rename the group	PASS	
9.	Click on “Cancel”	Clicking on Cancel will close the pop-up without changing the group name	Clicking on Cancel closed the pop-up without changing the group name	PASS	



TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
10.	Click on the "Pen" tool	Clicking on the "Pen" tool will open a pop-up in which the user can rename the group	Clicking on the "Pen" tool opened a pop-up in which the user can rename the group	PASS	
11.	Enter valid name "Restroom" and click "OK"	The app will let the user enter "Restroom" as name and when clicking "OK" will close the pop-up and change the name from "Bedroom" to "Restroom"	The app let the user enter "Restroom" as name and when clicking "OK" closed the pop-up and change the name from "Bedroom" to "Restroom"	PASS	
12.	Click on the + button in the "Restroom"	The + button is clickable and when clicked a menu opens with all the compatible devices	The + button was clickable and when clicked a menu opens with all the compatible devices	PASS	
13.	Click on the device and click Save	Clicking on a device selects it, and when clicking Save closes the menu and adds the device to the group	Clicking on a device selected it, and when clicking Save closed the menu and added the device to the group	PASS	
14.	Long click on "Restroom"	Long clicking on "Restroom" will open a pop-up asking the user whether to delete the group or cancel	Long clicking on "Restroom" opened a pop-up asking the user whether to delete the group or cancel	PASS	
15.	Click on "Cancel"	Clicking on Cancel will close the pop-up without deleting the group	Clicking on Cancel closed the pop-up without deleting the group	PASS	
16.	Long click on "Restroom"	Long clicking on "Restroom" will open a pop-up asking the user whether to delete the group or cancel	Long clicking on "Restroom" opened a pop-up asking the user whether to delete the group or cancel	PASS	
17.	Click on "OK"	Clicking on "OK" will close the pop-up and delete the group	Clicking on "OK" closed the pop-up and delete the group	PASS	
18.	Create a group with a name that is 1000 chracters long	Creating a group with a 1000-character name will work and the name will be visible	The group was created, but the name was not visible due to the large number of characters	FAIL	
19.	Open the "My devices" menu	The "My devices menu will be opened and show the user all their devices	The "My devices menu was opened and show the user all their devices	PASS	
20.	Click on the disconnected chain icon	Button is clickable and when clicked, the phone connects to the LED strips and after connected the icon changes	Button was clickable and when clicked, the phone connected to the LED strips		

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
		to a connected chain	and after connected the icon changed to a connected chain		
21.	Click on the connected chain icon	Button is clickable and when clicked, the phone disconnects from the LED strips and after disconnected the icon changes to a disconnected chain	Button was clickable and when clicked, the phone disconnected from the LED strips and after disconnected the icon changed to a disconnected chain		
Sanity – Error handling – “Group Manage” feature					
1.	Enter the group tab	The group tab will be opened	The group tab opened	PASS	
2.	Click on the + button in the top right of the screen. 	+ button is clickable and when clicked opens a pop up where the user can enter a name for the group	+ button was clickable and when clicked opened a pop up where the user can enter a name for the group	PASS	
3.	Enter 0 characters and click “OK”	The pop-up will close, the user will receive an error “Group name cannot be empty” and the group will not be created	The pop-up closed, the user received an error “Group name cannot be empty” and the group was not created	PASS	
4.	Click on the + button in the top right of the screen. 	+ button is clickable and when clicked opens a pop up where the user can enter a name for the group	+ button was clickable and when clicked opened a pop up where the user can enter a name for the group	PASS	
5.	Create a group named “kitchen”	The app will let the user create a group named “kitchen”	The app let the user create a group named “kitchen”	PASS	
6.	Click on the “Pen” tool	Clicking on the “Pen” tool will open a pop-up in which the user can rename the group	Clicking on the “Pen” tool opened a pop-up in which the user can rename the group	PASS	
7.	Click “OK”	The app will not let the user change the name and will show an error “Group name cannot be empty”	The app did not let the user change the name and showed an error “Group name cannot be empty.”	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
Sanity – GUI – “Group Manage” feature					
1.	Enter the group tab	The group tab will be opened, will be shown in a user-friendly way, elements are not overlapping each other and has no spelling errors	The group tab was opened, were shown in a user-friendly way, elements were not overlapping each other and had no spelling errors	PASS	

Test Description:
Sanity test on the “Style” tab.

Test Purpose: In this test we will check if the “Style” and its features work as intended.	
Test Run Information: Tester Name: Avihai Shomrat Date of Test: 03/12/2023	Prerequisites for this test: Have an IOS device that is up to date. Have Bluetooth connection enabled, and app permissions allowed.
	Software Versions: 5.0.3 Application: duoCo Strip Operating System: IOS
	Required Configuration: No special setup needed
NOTES and RESULTS: 	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
Sanity – Functional – “Style” tab					
1.	Click on the app’s icon	The app will launch	The app launched	PASS	
2.	Toggle on the on/off button 	Toggling on the button will turn on the LED lights.	Toggling on the button turned on the LED lights.	PASS	
3.	Click on “Style” 	The button is clickable and when clicked the tab changes to the “Style” tab where the user can select presets, speed of preset and brightness	The button was clickable and when clicked the tab changed to the “Style” tab where the user can select presets, speed of preset and brightness	PASS	
4.	Scroll down in the presets section and stop on “Static Red”	The app will let the user scroll down and when stopping on “Static Red” will change the LED lights to red	The app let the user scroll down and when stopping on “Static Red” changed the LED lights to red	PASS	
5.	Scroll down in the presets section and stop on “Static Blue”	The app will let the user scroll down and when stopping on “Static Blue” will change the LED lights to blue	The app let the user scroll down and when stopping on “Static Blue” changed the LED lights to blue	PASS	
6.	Scroll up in the presets section and stop on “Static Red”	The app will let the user scroll down and when stopping on “Static Red” will change the LED lights to red	The app let the user scroll up and when stopping on “Static Red” changed the LED lights to red	PASS	
7.	Scroll down in the presets section and stop on “Static Green”	The app will let the user scroll down and when stopping on “Static Green” will change the LED lights to green	The app let the user scroll down and when stopping on “Static Green” changed the LED lights to green	PASS	
8.	Scroll down in the presets section and	The app will let the user scroll down	The app let the user scroll	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
	stop on "Static Cyan"	and when stopping on "Static Cyan" will change the LED lights to cyan	down and when stopping on "Static Cyan" changed the LED lights to cyan		
9.	Scorll down in the presets section and stop on "Static Yellow"	The app will let the user scroll down and when stopping on "Static Yellow" will change the LED lights to yellow	The app let the user scroll down and when stopping on "Static Yellow" changed the LED lights to yellow	PASS	
10.	Scorll down in the presets section and stop on "Static Purple"	The app will let the user scroll down and when stopping on "Static Purple" will change the LED lights to Purple	The app let the user scroll down and when stopping on "Static Purple" changed the LED lights to purple	PASS	
11.	Scorll down in the presets section and stop on "Static White"	The app will let the user scroll down and when stopping on "Static White" will change the LED lights to white.	The app let the user scroll down and when stopping on "Static White" changed the LED lights to white	PASS	
12.	Scorll down in the presets section and stop on "Three Color Jumping Change"	The app will let the user scroll down and when stopping on "Three Color Jumping Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Three Color Jumping Change" changed the LED lights to the selected mode.	PASS	
13.	Scorll down in the presets section and stop on "Seven Color Jumping Change"	The app will let the user scroll down and when stopping on "Seven Color Jumping Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Seven Color Jumping Change" changed the LED lights to the selected mode.	PASS	
14.	Scorll down in the presets section and stop on "Three Color Cross Fade"	The app will let the user scroll down and when stopping on "Three Color Cross Fade" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Three Color Cross Fade" changed the LED lights to	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
			the selected mode.		
15.	Scorll down in the presets section and stop on "Seven Color Cross Fade"	The app will let the user scroll down and when stopping on "Seven Color Cross Fade" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Seven Color Cross Fade" changed the LED lights to the selected mode.	PASS	
16.	Scorll down in the presets section and stop on "Red Gradual Change"	The app will let the user scroll down and when stopping on "Red Gradual Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Red Gradual Change" changed the LED lights to the selected mode.	PASS	
17.	Scorll down in the presets section and stop on "Green Gradual Change"	The app will let the user scroll down and when stopping on "Green Gradual Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Green Gradual Change" changed the LED lights to the selected mode.	PASS	
18.	Scorll down in the presets section and stop on "Blue Gradual Change"	The app will let the user scroll down and when stopping on "Blue Gradual Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Blue Gradual Change" changed the LED lights to the selected mode.	PASS	
19.	Scorll down in the presets section and stop on "Yellow Gradual Change"	The app will let the user scroll down and when stopping on "Yellow Gradual Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Yellow Gradual Change" changed the LED lights to the selected mode.	PASS	

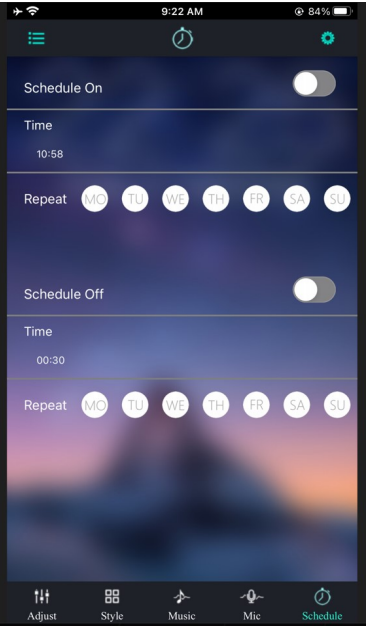
TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
20.	Scorll down in the presets section and stop on "Cyan Gradual Change"	The app will let the user scroll down and when stopping on "Cyan Gradual Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Cyan Gradual Change" changed the LED lights to the selected mode.	PASS	
21.	Scorll down in the presets section and stop on "Purple Gradual Change"	The app will let the user scroll down and when stopping on "Purple Gradual Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Purple Gradual Change" changed the LED lights to the selected mode.	PASS	
22.	Scorll down in the presets section and stop on "White Gradual Change"	The app will let the user scroll down and when stopping on "White Gradual Change" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "White Gradual Change" changed the LED lights to the selected mode.	PASS	
23.	Scorll down in the presets section and stop on "Red Green Cross fade"	The app will let the user scroll down and when stopping on "Red Green Cross Fade" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Red Green Cross Fade" changed the LED lights to the selected mode.	PASS	
24.	Scorll down in the presets section and stop on "Red Blue Cross fade"	The app will let the user scroll down and when stopping on "Red Blue Cross Fade" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Red Blue Cross Fade" changed the LED lights to the selected mode.	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
25.	Scorll down in the presets section and stop on "Green Blue Cross fade"	The app will let the user scroll down and when stopping on "Green Blue Cross Fade" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Green Blue Cross Fade" changed the LED lights to the selected mode.	PASS	
26.	Scorll down in the presets section and stop on "Seven color Stobe Flash"	The app will let the user scroll down and when stopping on "Seven Color Strobe Flash" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Seven Color Strobe Flash" changed the LED lights to the selected mode.	PASS	
27.	Scorll down in the presets section and stop on "Red Strobe Flash"	The app will let the user scroll down and when stopping on "Red Strobe Flash" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Red Strobe Flash" changed the LED lights to the selected mode.	PASS	
28.	Scorll down in the presets section and stop on "Green Strobe Flash"	The app will let the user scroll down and when stopping on "Green Strobe Flash" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Green Strobe Flash" changed the LED lights to the selected mode.	PASS	
29.	Scorll down in the presets section and stop on "Blue Strobe Flash"	The app will let the user scroll down and when stopping on "Blue Strobe Flash" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Blue Strobe Flash" changed the LED lights to the selected mode.	PASS	
30.	Scorll down in the presets section and	The app will let the user scroll down	The app let the user scroll	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
	stop on "Yellow Strobe Flash"	and when stopping on "Yellow Strobe Flash" will change the LED lights to the selected mode.	down and when stopping on "Yellow Strobe Flash" changed the LED lights to the selected mode.		
31.	Scroll down in the presets section and stop on "Cyan Strobe Flash"	The app will let the user scroll down and when stopping on "Cyan Strobe Flash" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Cyan Strobe Flash" changed the LED lights to the selected mode.	PASS	
32.	Scroll down in the presets section and stop on "Purple Strobe Flash"	The app will let the user scroll down and when stopping on "Purple Strobe Flash" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "Purple Strobe Flash" changed the LED lights to the selected mode.	PASS	
33.	Scroll down in the presets section and stop on "White Strobe Flash"	The app will let the user scroll down and when stopping on "White Strobe Flash" will change the LED lights to the selected mode.	The app let the user scroll down and when stopping on "White Strobe Flash" changed the LED lights to the selected mode.	PASS	
34.	Use the slider and change the speed to 50%	The slider is moveable and when changed to 50% the selected mode's speed will be decreased by 50%	The slider was moveable and when changed to 50% the selected mode's speed decreased by 50%	PASS	
35.	Slide the Brightness slider all the way to the left	The slider is slidable and when slid all the way to the left the LED lights change brightness to the darkest	The slider was slidable and when slid all the way to the left the LED lights changed brightness to the darkest	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
36.	Slide the Brightness slider all the way to the right	The slider is slidable and when slid all the way to the left the LED lights change brightness to the brightest	The slider was slidable and when slid all the way to the left the LED lights changed brightness to the brightest	PASS	
Sanity – Error Handling – “Style” tab					
1.	Click on “Style” in the low part of the screen	The button is clickable and when clicked the tab changes to the “Style” tab where the user can select presets, speed of preset and brightness	The button was clickable and when clicked the tab changed to the “Style” tab where the user can select presets, speed of preset and brightness	PASS	
2.	Try to slide the Brightness slider left past the border	The Slider won’t go past the left border	The Slider didn’t go past the left border	PASS	
3.	Try to slide the Brightness slider right past the border	The Slider won’t go past the right border	The Slider didn’t go past the right border	PASS	
4.	Try to slide the Speed slider left past the border	The Slider won’t go past the left border	The Slider didn’t go past the left border	PASS	
5.	Try to slide the Speed slider right past the border	The Slider won’t go past the right border	The Slider didn’t go past the right border	PASS	
Sanity – GUI – “Style” tab					
1.	Enter the “Style” tab	The app enter the Style tab	The app entered the Style tab	PASS	
2.	Verify that all elements are not overlapping each other	Elements are not overlapping each other	Elements were not overlapping each other	PASS	
3.	Verify there are no spelling errors.	There are no spelling errors	There is a spelling error in “Seven color Stobe Flash”	FAIL	

Test Description:
Sanity test on the “Schedule” tab.

Test Purpose: In this test we will check if the “Schedule” tab and its features work as intended.	
Test Run Information: Tester Name: Avihai Shomrat Date of Test: 03/12/2023	Prerequisites for this test: Have an IOS device that is up to date. Have Bluetooth connection enabled, and app permissions allowed.
	Software Versions: 5.0.3 Application: duoCo Strip Operating System: IOS
	Required Configuration: No special setup needed
NOTES and RESULTS: 	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
Sanity – Functional – “Schedule” tab					
1.	Click on the app’s icon	The app will launch	The app launched	PASS	
2.	Connect the app to LED strips	The app will connect to the LED strips	The app connected to the LED strips	PASS	
3.	Click on “Schedule” in the right bottom of the screen	The button is clickable, and when clicked the app opens a schedule tab where the user can select time and day to turn on/off the LED strips automatically	The button was clickable, and when clicked the app opened a schedule tab where the user can select time and day to turn on/off the LED strips	PASS	
4.	Toggle on the “Schedule On” button	The button is togglable when toggled on changes direction and is colored green	The button was togglable when toggled on changed direction and is colored green	PASS	
5.	Click on “Time”	The button is clickable, and when clicked opens a small menu where the user can select an hour and minutes	The button was clickable, and when clicked opened a small menu where the user can select an hour and minutes	PASS	
6.	Select a time that is 5 minutes from the current time	The app will let the user enter a time which is 5 minutes away from now	The app let the user enter a time which is 5 minutes away from now	PASS	
7.	Wait 5 minutes	After 5 minutes the LED lights will turn on automatically and the button will toggle off	After 5 minutes the LED lights turned on automatically and the button toggled off	PASS	
8.	Toggle on the “Schedule Off” button	The button is togglable when toggled off changes direction and is colored green	The button was togglable when toggled off changed direction and is colored green	PASS	
9.	Click on “Time”	The button is clickable, and when	The button was clickable,	PASS	

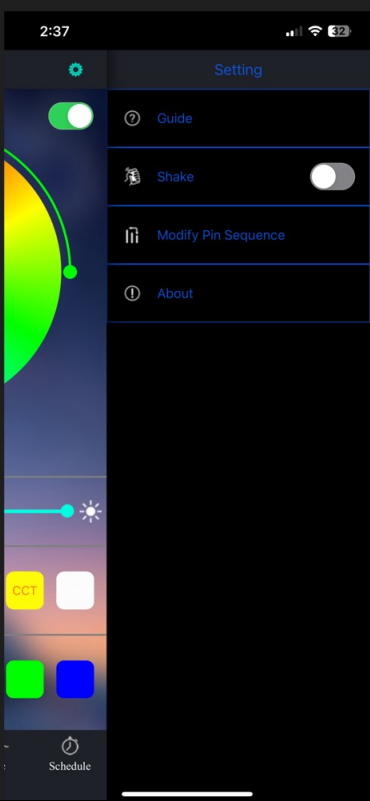
TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
		clicked opens a small menu where the user can select an hour and minutes	and when clicked opened a small menu where the user can select an hour and minutes		
10.	Select a time that is 5 minutes from the current time	The app will let the user enter a time which is 5 minutes away from now	The app let the user enter a time which is 5 minutes away from now	PASS	
11.	Wait 5 minutes	After 5 minutes the LED lights will turn off automatically and the button will toggle off	After 5 minutes the LED lights turned off automatically and the button toggled off	PASS	
12.	In the repeat section, click on "MO"	The "MO" button is clickable, when clicked changes its background color to blue and will automatically repeat on Monday the Schedule On/Off setting that is set	The "MO" button was clickable, when clicked changed its background color to blue and automatically repeated on Monday the Schedule On/Off setting that is set	PASS	
13.	In the repeat section, click on "TU"	The "TU" button is clickable, when clicked changes its background color to blue and will automatically repeat on Monday the Schedule On/Off setting that is set	The "TU" button was clickable, when clicked changed its background color to blue and automatically repeated on Tuesday the Schedule On/Off setting that is set	PASS	
14.	In the repeat section, click on "WE"	The "WE" button is clickable, when clicked changes its background color to blue and will automatically repeat on Monday the Schedule On/Off setting that is set	The "WE" button was clickable, when clicked changed its background color to blue and automatically repeated on Wednesday the Schedule On/Off setting that is set	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
15.	In the repeat section, click on "TH"	The "TH" button is clickable, when clicked changes its background color to blue and will automatically repeat on Monday the Schedule On/Off setting that is set	The "TH" button was clickable, when clicked changed its background color to blue and automatically repeated on Thursday the Schedule On/Off setting that is set	PASS	
16.	In the repeat section, click on "FR"	The "FR" button is clickable, when clicked changes its background color to blue and will automatically repeat on Monday the Schedule On/Off setting that is set	The "FR" button was clickable, when clicked changed its background color to blue and automatically repeated on Friday the Schedule On/Off setting that is set	PASS	
17.	In the repeat section, click on "SA"	The "SA" button is clickable, when clicked changes its background color to blue and will automatically repeat on Monday the Schedule On/Off setting that is set	The "SA" button was clickable, when clicked changed its background color to blue and automatically repeated on Saturday the Schedule On/Off setting that is set	PASS	
18.	In the repeat section, click on "SU"	The "SU" button is clickable, when clicked changes its background color to blue and will automatically repeat on Monday the Schedule On/Off setting that is set	The "SU" button was clickable, when clicked changed its background color to blue and automatically repeated on Sunday the Schedule On/Off setting that is set	PASS	
Sanity – Localization – "Schedule" tab					
1.	Click on the app's icon	The app will launch	The app launched	PASS	


TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
2.	Connect the app to LED strips	The app will connect to the LED strips	The app connected to the LED strips	PASS	
3.	Click on "Schedule" in the right bottom of the screen	The button is clickable, and when clicked the app opens a schedule tab where the user can select time and day to turn on/off the LED strips automatically	The button was clickable, and when clicked the app opened a schedule tab where the user can select time and day to turn on/off the LED strips	PASS	
4.	Toggle on the "Schedule On" button	The button is toggable when toggled on changes direction and is colored green	The button was toggable when toggled on changed direction and is colored green	PASS	
5.	Click on "Time"	The button is clickable, and when clicked opens a small menu where the user can select an hour and minutes	The button was clickable, and when clicked opened a small menu where the user can select an hour and minutes	PASS	
6.	Select the time 15:00	The app will let the user select the time	The app let the user select the time	PASS	
7.	kill the app			PASS	
8.	Change the time on the device to 14:59			PASS	
9.	Open the app and enter schedule	The app will open and let the user enter schedule	The app opened and let the user enter schedule	PASS	
10.	Wait for 15:00	The app will use the phone's clock and when the clock hits 15:00 the LED strips will turn on	The app used the phone's clock and when the clock hit 15:00 the LED strips turned on	PASS	
Sanity – GUI – "Schedule" tab					
11.	Enter "Schedule" tab	The tab will open	The tab opened	PASS	
12.	Verify that all elements are shown, there	all elements are shown, there are no	all elements were shown,	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
	are no spelling errors, elements are not overlapping each other, and the tab is user-friendly	spelling errors, elements are not overlapping each other, and the tab is user-friendly	there were no spelling errors, elements were not overlapping each other, and the tab was user-friendly		
Sanity – Error handling – “Schedule” tab					
1.	Enter “Schedule” tab	The tab will open	The tab opened	PASS	
2.	Set a schedule on for 5 minutes from the current time	The app will let the create a schedule for 5 minutes from current time	The app let the create a schedule for 5 minutes from current time	PASS	
3.	Kill the app	Killing the app will not stop the LED lights from turning on at the configured time.	Killing the app has stopped the LED from turning on at the configured time.	FAIL	

Test Description:
Sanity test on the “Shake” feature.

Test Purpose: In this test we will check if the “shake” feature works as intended.	
Test Run Information: Tester Name: Avihai Shomrat Date of Test: 05/12/2023	Prerequisites for this test: Have an IOS device that is up to date. Have Bluetooth connection enabled, and app permissions allowed.
	Software Versions: 5.0.3 Application: duoCo Strip Operating System: IOS
	Required Configuration: No special setup needed
NOTES and RESULTS: 	

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TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
Sanity – Functional – “Shake” feature					
1.	Click on the app’s icon	The app will launch	The app launched	PASS	
2.	Connect the app to LED strips	The app will connect to the LED strips	The app connected to the LED strips	PASS	
3.	Toggle on the on/off button 	Toggling on the button will turn on the LED lights.	Toggling on the button turned on the LED lights.	PASS	
4.	Swipe left to open the “settings” tab	The user can swipe and when swiped the settings tab opens	The user can swipe and when swiped the settings tab opened	PASS	
5.	Toggle on the “Shake” feature	The button is togglable, when toggled on changes direction, changes color to green and turns on the “shake” feature.	The button was togglable, when toggled on changed direction, changed color to green and turned on the “shake” feature.	PASS	
6.	Shake the phone	Shaking the phone will send a vibration to the phone and randomly change the color of the LED strips	Shaking the phone sent a vibration to the phone and randomly changed the color of the LED strips	PASS	
7.	Toggle off the “Shake” feature	The button is togglable, when toggled off changes direction, changes color to grey and turns off the “shake” feature.	The button was togglable, when toggled off changed direction, changed color to grey and turned off the “shake” feature.	PASS	
8.	Shake the phone	Shaking the phone will do nothing	Shaking the phone did nothing	PASS	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	
9.	Go back to the main page	The app will let the user go back to the main back	The app let the user go back to the main back	PASS	
10.	Shake the phone	Shaking the phone will do nothing	Shaking the phone sent a vibration to the phone and randomly changed the color of the LED strips even when the Shake feature was turned off	FAIL	
Sanity – GUI – “Shake” feature					
1.	Enter the settings tab	The tab will open	The tab opened	PASS	
2.	Verify that elements are not overlapping each, there are no spelling errors, and the tab is user-friendly	elements are not overlapping each, there are no spelling errors, and the tab is user-friendly	elements were not overlapping each, there were no spelling errors, and the tab was user-friendly	PASS	