Test Author: Kyle Pointer						
	Test Case Name:	Out-of-box test			**Test ID #:**	BioLock-01
	Description:	Simulates the out-of-box configuration and trial behavior expected of a typical new end user immediately following first power-on. This includes trial use of the enrollment and unlock features, and unenrolling of trial fingerprints prior to proper use.			**Type:**	☐ white box ☑ black box ☐ _____
Tester Information						
	Name of Tester:				**Date:**	
	HW/SW Version:	HW 1.0/SW 1.0			**Time:**	
	Setup:	Unit should be powered on directly from off state.				

STEP	**Action**	**Expected Result**	**PASS**	**FAIL**	**N/A**	**Comments**
1	Select “Enroll Fingerprint” from the menu	UI LCD and input buttons shall allow for clear navigation to the correct menu selection.				
2	Enroll a new fingerprint	Enrollment shall succeed within 3 attempts.				
3	Return to main menu and verify enrolled fingerprint	The lock shall disengage within 3 attempts.				
4	Repeat steps 1 thru 3 using a different fingerprint	The expected results are identical to those above.				
5	Select “Unenroll Fingerprint” from the menu	UI LCD and input buttons shall allow for clear navigation to the correct menu selection.				
6	Unenroll both fingerprints	The LCD displays confirmation after each fingerprint deletion.				
7	Attempt further unenroll	The LCD will display an error that no fingerprints are stored.				
	Overall test result:					

Test Author: Mustafa Alazzawi						
	Test Case Name:	Fingerprint Check			**Test ID #:**	BioLock-02
	Description:	In this test, we will check if the fingerprint sensor is working properly. Fingerprint should correspond with the LCD screen and The lock sensor, as if the input isn't correct, the Lock shouldn't open.			**Type:**	☐ white box ☑ black box ☐ _____
Tester Information						
	Name of Tester:				**Date:**	
	HW/SW Version:	HW 1.0/SW 1.0			**Time:**	
	Setup:	Unit should be powered on and should have at least one fingerprint enrolled.				
STEP	**Action**	**Expected Result**	**PASS**	**FAIL**	**N/A**	**Comments**
1	Check LCD Readout	The LCD screen should display to put your finger print				
2	Try to put the wrong Fingerprint	If the fingerprint isn't correct LCD should ask you to put your finger print once again				
3	Check Door Lock	The door lock should stay locked				
4	Try the right fingerprint	LCD screen should display the lock is now open				
5	Check Door Lock	The lock should now open and should lock again when the door is closed				
	Overall test result:					

Test Author: Kyle Pointer						
	Test Case Name:	Voltage Levels Test #1			**Test ID #:**	BioLock-03
	Description:	Tests internal node voltage levels under operation.			**Type:**	☑ white box ☐ black box ☐ _____
Tester Information						
	Name of Tester:				**Date:**	
	HW/SW Version:	HW 1.0/SW 1.0			**Time:**	
	Setup:	Unit should be powered on with at least 1 fingerprint enrolled.				

STEP	**Action**	**Expected Result**	**PASS**	**FAIL**	**N/A**	**Comments**
1	Position voltmeter leads to read voltage from device ground to 3.3V node	Voltmeter should read approximately 3.3 V.				
2	Scan fingerprint to activate lock bolt solenoid	Voltmeter reading should not fluctuate from initial reading (taken in step 1) by more than 500 mV.				
3	Repeat step 2 while holding down any of the UI input buttons.	Voltmeter reading should not fluctuate from initial reading (taken in step 1) by more than 500 mV.				
4	Repeat step 2 while holding down any two of the UI input buttons.	Voltmeter reading should not fluctuate from initial reading (taken in step 1) by more than 500 mV.				
5	Repeat step 2 while holding down all four of the UI input buttons.	Voltmeter reading should not fluctuate from initial reading (taken in step 1) by more than 500 mV.				
	Overall test result:					