Test Author: Group 16				
	Test Case Name:	Music playing Path Test #1	**Test ID #:**	MPP-01
	Description:	Set up the RFID reader to identify tags linked to specific Spotify playlists and play the associated music through the connected speaker.	**Type:**	☑ white box ☐ black box ☐ _____
Tester Information				
	Name of Tester:	Hiep Thieu and Daisy Perez	**Date:**	Dec 4 2024
	HW/SW Version:	1.0	**Time:**	2PM
	Setup:	Connect the Raspberry Pi to the audio system and an RFID scanner. Do not connect the jumpers for other subsystems.		

STEP	Action	Expected Result	PASS	FAIL	N/A	Comments
1	Have mobile device detect raspberry Pi	Spotify connects to raspotify	x			Raspotify is the raspberry pi name when searching on Spotify
2	Begin Program	Volume should be low/muted, the output display screen should show “Scan RFID…” when program runs	x			Use a test code instead of the main, full code
3	Scan song RFID	Spotify should load playlist on phone and begin playing	x			
4	Turn the volume down	Music coming from speaker should be louder	x			
5	Turn the volume up	Music coming from speaker should be quieter	x			
6	Scan music control RFIDs	Pause RFID - pause song, Play RFID - play song, skip RFID - skip song	x			
7	Register RFID	Add RFID id to database, display in the output screen completion or error message.	x			Should give error messages depending on the error. Common error we looked for was duplicate RFID trying to reregister.
	Overall test result:		x			

Test Author: Group 16				
	Test Case Name:	RFID detection test	**Test ID #:**	DT-01
	Description:	Verify the range in which the RFID tag can be from the sensor and still be read.	**Type:**	☑ white box ☑ black box ☐ _____
Tester Information				
	Name of Tester:	Natalie Kashoro and Lam Vo	**Date:**	Dec 3 2024
	HW/SW Version:	1.0	**Time:**	8AM
	Setup:	Isolate the sensor from any other type of disruptions. We will be testing only perpendicular from the face of the RFID sensor, not diagonally or horizontally.		

TEST	**Distance between RFID Scanner and the RFID Tag**	Expected Output	**PASS**	**FAIL**	**N/A**	**Comments**
1	0 cm	Command Prompt Message : “RFID Detected”	x			
2	1 cm	Command Prompt Message : “RFID Detected”	x			
3	2 cm	Command Prompt Message : “RFID Detected”	x			
4	3 cm	Command Prompt Message : “RFID Detected”	x			
5	4 cm	Command Prompt Message : “RFID Detected”		x		Might need to adjust the 3d printed case so the wall is not as thick
6	5 cm	Command Prompt Message : “RFID Detected”		x		Test again as a black box test to see if the sensor can detect the RFID tag through the box wall.

7	6 cm	Command Prompt Message : “RFID Detected”		x		
	Overall test result:		**x**			4 cm should be an appropriate radius for the sensor because we want to avoid the possibility of scanning multiple RFIDS due to the larger radius