Final Project - Release Checklist

Team name: Group5_____

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Due Date: _APRIL 15th 2022_____

Project Type: Stem Player SoC [YES] Standard [ ]

Bonus

N	Statement:	(Y) - Yes (N) - No (P) -Partial	Remark
1	SD card reading, writing in baremetal software with Zynq PS. Continuous mode reading file in bursts		
2	Stem/Wave file parsing: header information, audio data		
3	I2S controller with AXIS-4 (Streaming Interface) and verification • Configurable burst and datawidth parameters		
4	IIC configuration in baremetal software (44.1KHz setup)		
5	IIC hardware block integration and proper clock generation setup for mclk		
6	VGA controller amendments for play/pause/stop and animation		
7	Zynq PS setup, HP, GP, Interrupts (if applicable)		
8	DMA controller hardware setup & baremetal sw configuration		
9	Integration of DMA with I2S controller AXI-4 Stream interface		
9.1	Sound & music playing successfully		
9.2	Multiple bursts supported with uninterrupted play		
9.3	Play, pause, stop and next track functional		
10	OLED Display IP core integration		
11	Zedboard switch integration (hardware & software), fully functional		
12	SD card boot		

REMARKS:

(1)