

Criteria	Ratings				Pts
3.2.1	5 pts Full Marks Clear and developed drawing of design for both input and output sides with dimensions and intended motion of moving parts. Thoughtful description of design choices.		3 pts Incomplete Submission Developed drawing/visual of design idea with intended motion of moving parts. Does not consider key interfacing features (e.g. mounting/fastening) or other design constraints.		0 pts No Submission or Incorrect 5 pts
3.2.2	20 pts Full Marks Accurate and complete analysis of current, including power source. Complete circuit diagram. Specs of servo motors considered.	13 pts Incomplete Current analysis completed but missing some consideration. Circuit diagram completed but not thorough. Servo specs not fully interpreted.	7 pts Incomplete and/or incorrect Incomplete or incorrect current analysis, circuit, and/or servo specs	0 pts No Submission or Incorrect	20 pts
3.2.3	20 pts Full Marks Well commented correct code that fulfills all functionality. Mechanical output matches input throughout full range of joint motion with minimal delay. Checked off by a TA	13 pts Incomplete Code Code that fulfills all functionality. Mechanical output matches input throughout full range of joint motion. Checked off by a TA	7 pts Incomplete and/or incorrect Code fulfills most functionality. Mechanical output matches input only through partial range of motion. Video may be submitted to demonstrate partial functionality if TA check cannot be completed but full credit will not be possible.	0 pts No Submission or Incorrect	20 pts
3.2.4	5 pts Full Marks 10 second dancing video is linked with music. Video displays full joint functionality		2 pts Incomplete Submission Video is too short, not to music, or does not display joint functionality fully		0 pts No Submission or Incorrect 5 pts
Total Points: 50					