

ID	Risk Item	Effect	Cause	Likelihood	Severity	Importance	Action to Minimize Risk	Owner
1	Project scope too large	Project not completed on time	Project improperly scoped	3	3	9	Compare customer requirements to team knowledge and make judgement if everything can be accomplished and adjust requirements/scope accordingly	Team Member-Ashley
2	Won't be able to deliver MIDI understandable signal	Prototype cannot be built and tested on schedule	Lack of MIDI expertise	3	3	9	MIDI controller should be researched and contact with a knowledgeable person should be made. Will conduct testing of MIDI circuit with acquired knowledge	Team Member-Alex
3	Unable to deliver sensor that is able to output appropriate signal	Prototype cannot be built and tested on schedule	Lack of team knowledge	2	3	6	Sensor should be researched and contact with a knowledgeable person should be made. Testing of sensor signals will be conducted before and after system integration	Team Member-Jason
4	Parts are ordered too late	Prototype cannot be built and tested on schedule	Long lead parts not identified and ordered on time	3	2	6	Long lead parts identification and order placed by Week 7 of MSD I	Team Member-Ashley
5	Design doesn't meet needs	Project failure, unhappy customer	Improper needs were used to do Engineering Specifications	2	2	4	System Design Review includes discussion of needs and specifications also known customer requirements will be documented and agreed upon	Team Leader-Justine

6	Busy Team Member Schedules leaves little time to work on project	Project not completed on time	Job interviews and work load gets to large	2	3	6	Group members will be updated on progress of others in case they need help and to do lists will keep everyone on track	Team Leader-Justine
7	MIDI is unable to support two dimensions of parameter control	Project failure, unhappy customer	Lack of MIDI technology	2	3	6	Group will research MIDI capabilities and find a way to incorporate two dimensions using MIDI	Team Member - Alex
8	Chosen sensor is not able to fit on black and white keys in a way that is comfortable to customer	Project failure, unhappy customer	Sensor is bigger than keys	3	3	9	Take measurements of sensor and key and model the assembly in solid works to show it will fit	Team Member - Jason
9	Keyboard doesn't work when all keys are put back on	Project failure, project not completed on time	Keyboard put together wrong	2	2	4	Take pictures and notes of how the keyboard is supposed to be put back together	Team Member - Jason