Description of component, subsystem, or function	Symptom (what?)	Effect (so what)	Failure mode (why?)	Probability of failure	Severity of effect	Risk priority
Bandbeesten Piano Practice		Peformace doesn't look as good.	Using a remote controller being moved by hand.	2	2	4
			Radio interference with surrounding objects.	2	4	8
			One of piano wheels isnt responding.	2	4	8
Bandbeesten Piano Practice	Knowing when to start spinning and when to stop.	Piano player cant jump off when hes supposed to.	Don't have any cue of when piano needs to stop spinning.	3	3	9
			Band could be off beat so sound cue could not match up.	3	3	9

Piano player			
messes up			
so end of	3	4	12
song is			
different			
time.			

		Very Probable 5	Probable 4	Occasional 3	Remote 2	Improbable 1
Catastrophic	4	20	16	12	8	4
Critical	3	15	12	9	6	3
Marginal	2	10	8	6	4	2
Negligible	1	5	4	3	2	1

Severity of Effect

Catastrophic	The failure causes substantial damage to the product itself or related items
	(including people), requiring repair.
Critical	The failure causes significant damage to the product itself or related items,
	requiring repair.
Marginal	The failure causes some damage to the product itself or related items,
	potentially requiring repair.

Negligible The failure causes no significant damage.

Probability of Failure

Every time
Most times
Observed multiple times during the project.
Might be possible during the project.
Maybe observed once during the project or predicted to happen after hand off.

Remedial action	Probability of failure after action	effect after	Risk Priority
Create a code that allows the piano to spin by itself at the correct speed. Tune remote	1	4	4
controller to specfifc bandwidth that no one else is on.	1	4	4
Calibrate all wheels before practicing to make sure there all working.	1	3	3
Have the piano player provide a visual cue of when to stop spinning.	2	2	4
Follow the band instructor and know when he gives a signal to stop.	1	2	2

Have a set time that it normally takes to play part and stop after that set time no matter what.	2	4	8		
				Total score before action	Total score after action was applied
				20 30	11 14