Gantt Chart accompanyBot

Rahul	Project Start: 2/6/2023	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Nora	Display Week: 1	Feb 6, 2023		Feb 20, 2023	Feb 27, 2023		Mar 13, 2023					Apr 17, 2023	Apr 24, 2023	May 1, 2023
Aden TASK	START END D		11 12 13 14 15 16 17 18 S S M T W T F S			S M T W T F S		S M T W T F S		S M T W T F S	9 10 11 12 13 14 15 16 S M T W T F S S			
Deadlines and Events		Proposal Presentation		Design Review Presentation		Spring Break				Interim Demo	Spring Carnival		Final Presentation	Finals Week
User Interface and Music Parser														Final Report, Video, Poster,
Identify toolchain for OMR solution														and Public Demo
Build and run final OMR solution														
Configure OMR to output XML/MIDI (I	(both may not be necessary)													
Modify XML/MIDI output to integration	on specs													
Diagram all application screen layouts	s with UI buttons													
Implement front end UI designs into se	software app													
Add functionality to UI actions, make 0	OMR callable													
Help with completion of notes schedu														
Finish Communication protocols from (Includes sending song, commands from Testing, verification, and bug catching subsystems	om actions, accepting scheduler actions)													
Integration of Physical and User Inter	rface													
Design custom data structure to hold i	music and note information													
Exploration of music21 and GPIO libra	aries													
Convert XML to scheduled GPIO input:	ts using music21													
Test timing accuracy of scheduling														
Modularize GPIO pin mapping and inte	egrate with actuators													
Expand note scheduler														
Handle Start/Stop signaling and temporary	o changes between RPi and computer													
Finalize serial communication														
Help assemble physical system														
Physical Interface														
Test and choose actuators														
Design and verify circuit to control act	tuators													
Build and debug the circuit														
Design portable chassis to hold the cir	rcuitry on paper													
Design a Solidworks rendering of pape	er sketch													
3D Print initial Solidworks rendering														
Integrate with microcontroller														

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