J, U)	r Glove Task Name	Duration
		T01 Synthesizer Glove	67 days?
		Choose Project	5 days
##		Brainstorm Project Ideas	2 days
	•	Vote top 4 ideas	1 day
		Create Decision Matrix	5 days
-		Final Decision	0 days
		Research	5 days
•)	Microcontroller	5 days
==		Investigate Pulse Width Modulation	5 days
		Investigate Analog/Digital Capabilities	5 days
)		Investigate Multitasking Capabilities	10 days
L 🏺)	Tone Generation	5 days
2)	Investigate Tone Gen. IC's	5 days
3)	Investigate outputting audio with μC	5 days
1 🏺)	Investigate Analog tone gen	5 days
5 •)	Effects	5 days
5		Investigate Analog Audio Manipulation	5 days
7		Investigate Digital Audio Manipulation	5 days
3 🍦)	Investigate Cost	5 days
9		Project Proposal	4 days
) •)	Write Proposal Draft	1 day
L		Review Draft	1 day
	•	Revise Draft	0.5 days
3	•	Review Revision	1 day
1	_	Submit Proposal	0 days
5	•	Manage Project Wiki	58 days?
5		Design Requirements	7 days
7	•	Write Draft	1 day
3 •)	Review Draft	1 day
•)	Revise Draft	1 day?
)	•	Review Revision	1 day
L		Submit Requirements	0 days
2		Preliminary Schematic	3 days
3 •)	Design Circuit Block Diagram	0.5 days
1 🛉)	Select Parts	0.5 days
5 🛉)	Create Parts Libraries	0.25 days
5 •)	Create Schematic in Eagle	0.5 days
7)	Review ERC errors	0.25 days
3)	Revise	0.5 days
9 🏺)	Review Revision	0.5 days
) iii		Submit Schematic	0 days
L =	•	Wire glove with buttons	1 day?
2	-	Preliminary Board Layout	8 days
3	•	Arrange board in Eagle	0.5 days
. •)	Route the board	0.5 days

Эу	THESTZE	Task Name	Duration
5	•	Check for errors	0.25 days
5	Ť	Review board	0.25 days
<u> </u>	Ť	Review Revision	0.5 days
3		Submit layout	0 days
)		Prototype Board	13 days
)	III	Arrange single sided prototype board	0.5 days
-	•	Route prototype board	0.5 days
2	Ť	Check for errors	0.25 days
3	•	Revise for errors	0.25 days
ļ	•	Review Revision	0.25 days
5	•	Generate gerber files	0.25 days
,	-	Print board and assemble	1 day
7	-	Begin using prototype board	0 days
3		Project Schedule	8 days
)	III	Determine necessary milestones	0.5 days
)	•	Evaluate and set deadlines	0.5 days
-	Ⅲ ∳	Create project schedule	0.5 days
2	III	Review Project Schedule	0.5 days
3	III	Revise Schedule	0.5 days
ļ	•	Review Revision	0.5 days
5		Submit schedule	0 days
5		Send PCB files to vendor	6 days
7	•	Add final amp to board	1 day?
3	III	Complete Final Schmatic	1 day?
)	•	Complete Final Layout	1 day?
)		Peer review layout	0.5 days
-	•	Generate gerber files	0.25 days
2		Send CAM files to OSH Park	0 days
3		System Diagram	7 days
ļ	III	Draw Level 0 block diagram	1 day
5	•	Draw Level 1 block diagram	0.5 days
5	•	Draw Level 0 block diagrams for each Level 1 subcompone	0.5 days
7	•	Review diagrams	0.5 days
3	•	Revise Diagrams	0.5 days
)	=	Review Revision	1 day
)	-	Submit System Diagram	0 days
-		Program Microcontroller	27 days
2	•	Develop algorithm based on design decisions	2 days
}	_	Verify algorithm	1 day
1	•	Program algorithm	24 days
5	i	Generate single PWM tone	3 days
5	III	Generate multiple tones with various button combinati	
7	III	Incorporate ADC input	5 days
3	—	Finalize code	5 days
)	III	Test Program	2 days

or Syllines	izer Glove Task Name	Duration
90 🕴	Debug	2 days
91	Verify	0 days
92	Test Plan	8 days
93		0.5 days
94	Implement cases into test plan	0.5 days
95	Submit test plan	0 days
96	Build Housing	1 day
97	Design Housing	0.5 days
98 🕴	Laser cut or 3D print design	0.5 days
99	Working Prototype	14 days
100	Assemble PCB	5 days
101 🕴	Solder parts to board	1.5 days
102	Check connections	0.25 days
103 🕴	Debug	0.25 days
104	Verify	0 days
105 🔠 🖣	Confirm board functionality	1 day
106 🕴	Make adjustments/debug	1 day
107	Verify	0 days
108 🔠 🖣	Assemble parts	1 day
109 🕴	Test Prototype using test plan	1 day
110	Debug	1 day
111	Verify	0 days
112	Demo	0 days

 T01 Synthesi Predecessors	zer Glove Resource Names
	17
	Ali,Nicholas,Nathan,Steve
2	Ali,Nathan,Nicholas,Steve
3	Ali,Nathan,Nicholas,Steve
4	Ali,Nathan,Nicholas,Steve
	,
	Ali,Nathan,Nicholas,Steve
	, , ,
	Ali,Nathan,Nicholas,Steve
	Nicholas
	Steve
	Nathan
	Ali,Nathan,Nicholas,Steve
	Ali, Nathan, Nicholas, Steve
5	
	Nathan
20	Ali,Nathan,Nicholas,Steve
21	Nathan, Nicholas
22	Ali, Nathan, Nicholas, Steve
23	Nathan
	Nathan, Nicholas, Ali
24	
	Ali, Nicholas
27	Nathan
28	Nathan
29	Ali, Nathan, Nicholas
30	Nathan
31	
	Ali,Nathan,Nicholas,Steve
33	Ali, Nathan, Nicholas, Steve
34	Nicholas
35	Nicholas
36	Nicholas
37	Nathan, Nicholas
38	Nathan, Nicholas
39	Nathan
	Nathan, Nicholas, Steve
40	
	Nicholas
43	Nicholas

er Glove Resource Names
Nicholas
Nathan
Nicholas
Nicholas
Ali,Nicholas
Nicholas
Nicholas
Nicholas
Ali, Nathan, Nicholas
Nicholas
Ali, Nicholas, Money, PCB Machine, board mat
i i i i i i i i i i i i i i i i i i i
Al: North an
Ali Nathan Nichalas Stave
Ali, Nathan, Nicholas, Steve
Ali Ali North an
Ali, Nathan
Ali
Ali,Nathan
Nathan
Nightle au
Nathan
Nathan, Nicholas
Nathan, Nicholas
Class peers
Nicholas, Nathan
Nicholas
Nathan, Nicholas
Ali,Nicholas,Nathan
Nathan, Nicholas, Ali
Ali,Nathan,Nicholas
Ali,Nathan
Ali,Nathan,Nicholas,Steve
, , , , , , , , , , , , , , , , , , , ,
Ali,Nathan,Nicholas,Steve
Steve

Predecessors	er Glove Resource Names	
89	Steve	
90	Ali, Nathan, Nicholas, Steve	
	Ali, Nathan, Nicholas, Steve	
93	Ali,Nathan,Nicholas,Steve	
94		
	Ali, Nathan, Nicholas	
	Ali, Nathan, Nicholas	
80,72,91,95		
	Ali,Nicholas	
101	Ali,Nicholas	
102	Ali,Nathan,Nicholas	
103		
104	Ali, Nathan, Nicholas, Steve	
105	Ali, Nathan, Nicholas, Steve	
106		
	Ali, Nathan, Nicholas, Steve	
108	Ali, Nathan, Nicholas, Steve	
109	Ali, Nathan, Nicholas, Steve	
110		
99	Ali, Nathan, Nicholas, Steve	