

ID	Name	Duration	Start	Finish	Predecessors	Resource Names	% Complet	Start Slack
1	Week One	5 days	Mon 3/12/12	Fri 3/16/12			100%	0 days?
2	Ensure all parts are available	1 day	Mon 3/12/12	Mon 3/12/12		Magy	100%	0 days
3	Microcontroller	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
4	Digital compass/Accelerometer	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
5	Keypad	0 days	Mon 3/12/12	Mon 3/12/12			100%	0 days
6	Vibrating Motors	0 days	Mon 3/12/12	Mon 3/12/12			100%	0 days
7	Battery	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
8	Elastic	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
9	Battery Charger	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
10	Fasteners	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
11	Spacers	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
12	Slide Switch	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
13	Battery Jumper Wire	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
14	Attachment	1 day	Mon 3/12/12	Mon 3/12/12			100%	0 days
15	Redesign Housing Snaps	2 days	Mon 3/12/12	Tue 3/13/12		Jeff,Stu	100%	0 days
16	Measure components to ensure dimensions match spec sheet	1 day	Tue 3/13/12	Tue 3/13/12		Stu	100%	0 days
17	Week Two	5 days	Mon 3/19/12	Fri 3/23/12			100%	0 days
18	Update project plan	1 day	Mon 3/19/12	Mon 3/19/12			100%	0 days
19	Write path following Algorithm	17 days	Mon 3/19/12	Mon 4/9/12		Oliver	100%	0 days
20	Redesign sample housing	1 day?	Mon 3/19/12	Mon 3/19/12		Jeff	100%	0 days?
21	Familiarize and update Dijkstra's Algorithm	3 days	Mon 3/19/12	Wed 3/21/12		Oliver	100%	0 days
22	Build and test keypad interface (P12015)	1 day	Mon 3/19/12	Mon 3/19/12		Aalyia	100%	0 days
23	Battery Charge and Life Test (7)	1 day	Mon 3/19/12	Mon 3/19/12		Curtis	100%	0 days
24	Build and test USB to microcontroller interface (P12015)	1 day	Mon 3/19/12	Mon 3/19/12	27,25,23,22,38,4	Curtis,Dave	100%	0 days
25	Build and test motor interface (P12015)	1 day	Mon 3/19/12	Mon 3/19/12		Curtis	100%	0 days
26	Build and test slide button interface (P12015)	1 day	Mon 3/19/12	Mon 3/19/12		Dave	100%	0 days

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27	Build and test RFID reader interface (P12015)	1 day	Tue 3/13/12	Tue 3/13/12		Dave	100%	0 days
28	magnetometer direction test and build circuit (11)	1 day	Mon 3/19/12	Tue 3/20/12		Oliver	100%	0 days
29	Redesign housing for new battery and new snaps	13 days	Mon 3/19/12	Wed 4/4/12		Jeff,Stu	100%	0 days
30	Manufacture sample housing	2 days	Fri 3/23/12	Mon 3/26/12	16,15	Jeff	100%	0 days
31	Input Reliability Test (14)	2 days	Mon 3/26/12	Tue 3/27/12		Magy	100%	0 days
32	Connect all components to microcontroller and build PCB (integrate all CAD files) SMALL PCB	5 days	Wed 3/21/12	Tue 3/27/12	24	Aalyia,Curtis,Da	100%	0 days
33	Week Three	5 days	Mon 3/26/12	Fri 3/30/12			61%	0 days
34	Adjustments to the input and output algorithm	2 days	Mon 3/26/12	Tue 3/27/12		Oliver	30%	0 days
35	Drop test on Prototype housing and flexiable snaps (8)	1 day	Tue 3/27/12	Tue 3/27/12	30	Jeff,Stu	100%	0 days
36	Electronic Component Test (16, 10)	1 day	Mon 3/26/12	Mon 3/26/12		Curtis,Aalyia	100%	0 days
37	Write (or aggregate and refine) interface code	4 days	Mon 3/26/12	Thu 3/29/12		Oliver	100%	0 days
38	Build and test USB interface to Eeprom	1 day	Mon 3/26/12	Mon 3/26/12		Dave	100%	0 days
39	Output Recognition Test (19)	2 days	Wed 3/28/12	Thu 3/29/12	34	Oliver,Magy	0%	12 days
40	Output Reliability Test (15)	2 days	Wed 3/28/12	Thu 3/29/12	34	Magy	0%	12 days
41	Input Recognition Test (18)	2 days	Wed 3/28/12	Thu 3/29/12	34	Oliver,Magy	0%	1 day
42	Order PCB	7 days	Fri 3/30/12	Sat 4/7/12	32	Curtis	100%	0 days
43	Build and test lithium charger	1 day	Mon 3/26/12	Mon 3/26/12		Curtis	100%	0 days
44	Update project plan	1 day?	Fri 3/30/12	Fri 3/30/12		Magy	100%	0 days?
45	Test magnetometer on 2nd floor for perturbances (with EEs)	3 days	Wed 3/28/12	Fri 3/30/12	22,28	Oliver,Dave	0%	16 days
46	Week Four	5 days	Mon 4/2/12	Fri 4/6/12			100%	0 days
47	Create new prototype to test new snaps	3 days	Mon 4/2/12	Wed 4/4/12	35	Jeff,Stu	100%	0 days
48	Order electronic components for PCB	3 days	Mon 4/2/12	Wed 4/4/12		Aalyia,Curtis	100%	0 days

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49	Test interface code without Dijkstra	1 day	Mon 4/2/12	Mon 4/2/12	37,28	Oliver	100%	0 days
50	Test interface sampling speed	1 day	Tue 4/3/12	Tue 4/3/12	37,28	Oliver	100%	0 days
51	Write map file-to-data structure translator	2 days	Wed 4/4/12	Thu 4/5/12	21	Oliver	100%	0 days
52	Start Project Paper and presentation	10 days	Mon 4/2/12	Thu 4/12/12		All Team Members	100%	0 days
53	Start Project Poster	10 days	Mon 4/2/12	Thu 4/12/12		All Team Members	100%	0 days
54	Manufacture Housing Protoype (Attachment and battery door)	5 days	Fri 4/6/12	Wed 4/11/12	47	Jeff,Stu	100%	0 days
55	Week Five	5 days	Mon 4/9/12	Fri 4/13/12			94%	0 days
56	Build PCB	7 days	Mon 4/9/12	Mon 4/16/12	42,48	SIMS,Curtis,Aal	100%	0 days
57	Debug and test all connections	2 days	Tue 4/17/12	Wed 4/18/12	56	Aalyia,Curtis,Da	100%	0 days
58	Test Dijkstra without interfaces	1 day	Wed 4/11/12	Wed 4/11/12	21,50,62	Oliver	100%	0 days
59	Test calculation/recalculation time	1 day	Thu 4/12/12	Thu 4/12/12	21,50,62,19	Oliver	0%	22 days
60	User comfort and adjustability Test (1)	4 days	Thu 4/12/12	Mon 4/16/12	54	Magy,Jeff	100%	0 days
61	Battery door testing (6)	1 day	Thu 4/12/12	Thu 4/12/12	54	Magy,Jeff	100%	0 days
62	Plan RFID tag locations	2 days	Mon 4/9/12	Tue 4/10/12	21,51	Oliver,Aalyia,Cu	100%	0 days
63	Week Six	5 days	Mon 4/16/12	Fri 4/20/12			67%	0 days
64	Redesign input and output feedbacks	3 days	Mon 4/16/12	Wed 4/18/12	31,40,39,41	Magy	0%	-1 day
65	Update input and output algorithms	3 days	Thu 4/19/12	Mon 4/23/12	64	Oliver	0%	-1 day
66	Update small PCB and Order	5 days	Thu 4/19/12	Wed 4/25/12	57	Dave	100%	0 days
67	Manufacture final housing	5 days	Thu 4/19/12	Wed 4/25/12	29,66SS	Jeff	100%	0 days
68	Attachment and detachment Test (3)	1 day	Tue 4/17/12	Tue 4/17/12	60	Magy	100%	0 days
69	Write interface data processing code	5 days	Mon 4/16/12	Fri 4/20/12	37,49,50	Oliver	100%	0 days
70	Test input interfaces + data processing (on-site)	1 day	Mon 4/16/12	Mon 4/16/12	45	Oliver	0%	4 days
71	Test ability to locate and establish heading based solely on RFID tags	1 day	Mon 4/16/12	Mon 4/16/12	62,27	Oliver	0%	19 days
72	Week Seven	5 days	Mon 4/23/12	Fri 4/27/12			91%	0 days
73	Build and debug small PCB	4 days	Thu 4/26/12	Tue 5/1/12	66		100%	0 days
74	Device Attention Test (17)	2 days	Thu 4/26/12	Fri 4/27/12	67	Magy	100%	0 days
75	Assembly testing	1 day	Thu 4/26/12	Thu 4/26/12	67	Stu,Magy	100%	0 days
76	Training Time Test (2)	3 days	Mon 4/23/12	Wed 4/25/12	64	Jeff,Magy	100%	0 days

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77	Thermal test on internal housing temperatures (12)	1 day	Thu 4/26/12	Thu 67 4/26/12		Stu	100%	0 days
78	Test input interfaces + data processing + algorithm (on-site)	3 days	Mon 4/23/12	Wed 71 4/25/12		Oliver	100%	0 days
79	Write motor control / PWM code	1 day	Mon 4/23/12	Mon 4/23/12		Oliver	100%	0 days
80	Test motor control	3 days	Tue 4/24/12	Thu 79,25 4/26/12		Oliver	100%	0 days
81	Button Lock Test (20) (If TIME PERMITS)	1 day	Mon 4/23/12	Mon 4/23/12		Oliver	0%	4 days
82	Noise Generated Test (13)	1 day	Mon 4/23/12	Mon 4/23/12		Magy	0%	4 days
83	Assembly of complete housing (including all components)	2 days	Tue 5/8/12	Wed 67,75 5/9/12		All Team Members	100%	0 days
84	Week Eight	5 days	Mon 4/30/12	Fri 5/4/12			0%	5 days
85	Test input interfaces + data processing + algorithm + motor control (on-site)	5 days	Tue 5/1/12	Mon 80,78,57 5/7/12		Oliver	0%	4 days
86	Test required tag interrogation frequency	1 day	Thu 5/3/12	Thu 5/3/12	78,57	Oliver	0%	6 days
87	Test accuracy of directions	2 days	Fri 5/4/12	Mon 5/7/12	78,57	Oliver	0%	4 days
88	Week Nine	5 days	Mon 5/7/12	Fri 5/11/12			100%	0 days
89	Finish Paper	3 days	Wed 5/9/12	Fri 5/11/12		All Team Memt	100%	0 days
90	Update Edge	2 days	Mon 5/7/12	Tue 5/8/12		All Team Memt	100%	0 days
91	Create Powerpoint for Presentation	2 days	Mon 5/7/12	Tue 5/8/12		All Team Memt	100%	0 days