

ID	WBS	Task Name	Duration	Start	Finish
1	1	The Silencer	707.13 days?	Tue 1/15/08	Thu 9/30/10
2	1.1	Phase 0	102.63 days?	Tue 1/15/08	Thu 6/5/08
3	1.1.1	Presentation I - Project Concept	41 days	Tue 1/15/08	Tue 3/11/08
4	1.1.1.1	Develop Project Team	22 days	Tue 1/15/08	Wed 2/13/08
5	1.1.1.1.1	Determine Team Members	3 days	Tue 1/15/08	Thu 1/17/08
6	1.1.1.1.2	Team Contact List	3 days	Sun 1/27/08	Fri 2/1/08
7	1.1.1.1.3	Create Classroom Web Site	3 days	Sun 2/3/08	Thu 2/7/08
8	1.1.1.1.4	Identify Product List	2 days	Mon 2/4/08	Tue 2/5/08
9	1.1.1.1.5	Team Website	6 days	Wed 2/6/08	Wed 2/13/08
10	1.1.1.1.5.1	Research	6 days	Wed 2/6/08	Wed 2/13/08
11	1.1.1.1.5.2	Layout	6 days	Wed 2/6/08	Wed 2/13/08
12	1.1.1.1.6	Define Group Meeting Times	1 day	Sat 2/9/08	Mon 2/11/08
13	1.1.1.2	Define Project	5 days	Mon 2/11/08	Fri 2/15/08
14	1.1.1.2.1	Define Problem	1 day	Mon 2/11/08	Mon 2/11/08
15	1.1.1.2.2	Develop solution	1 day	Mon 2/11/08	Mon 2/11/08
16	1.1.1.2.3	Define Objectives/ Goals	1 day	Mon 2/11/08	Mon 2/11/08
17	1.1.1.2.4	Team Website	4 days	Tue 2/12/08	Fri 2/15/08
18	1.1.1.2.4.1	Research	4 days	Tue 2/12/08	Fri 2/15/08
19	1.1.1.2.4.2	Layout	4 days	Tue 2/12/08	Fri 2/15/08
20	1.1.1.3	Conduct Project Research	3 days	Wed 2/13/08	Fri 2/15/08
21	1.1.1.3.1	Conduct Survey	3 days	Wed 2/13/08	Fri 2/15/08
22	1.1.1.3.2	Competition Matrix	1 day	Fri 2/15/08	Fri 2/15/08
23	1.1.1.3.3	Update Website	1 day	Fri 2/15/08	Fri 2/15/08
24	1.1.1.4	Determine Initial Solution	18 days	Fri 2/15/08	Tue 3/11/08
25	1.1.1.4.1	Technology Research	1 day	Fri 2/15/08	Fri 2/15/08
26	1.1.1.4.2	Determine Experts Needed	7 days	Fri 2/15/08	Mon 2/25/08
27	1.1.1.4.2.1	Identify Experts	1 day	Fri 2/15/08	Fri 2/15/08
28	1.1.1.4.2.2	Meet with Experts	6 days	Sat 2/16/08	Mon 2/25/08
29	1.1.1.4.3	Team Meeting	1 day	Sun 2/17/08	Mon 2/18/08
30	1.1.1.4.4	Cost Research	3 days	Sun 2/17/08	Wed 2/20/08
31	1.1.1.4.5	Flow Chart for different Scenarios	1 day	Wed 2/20/08	Wed 2/20/08
32	1.1.1.4.6	Silencer Research	6 days	Sat 2/23/08	Tue 3/11/08
33	1.1.1.4.7	Team Meeting	1 day	Sun 2/24/08	Mon 2/25/08
34	1.1.1.4.8	Create Risk Matrix and Risk Mitigation Plan	2 days	Mon 2/25/08	Tue 2/26/08
35	1.1.1.4.9	Determine Solution Characteristics	2 days	Tue 3/4/08	Wed 3/5/08
36	1.1.2	Presentation II - Feasibility	8 days?	Sat 3/1/08	Wed 3/12/08
37	1.1.2.1	Requirements Analysis	1 day?	Thu 3/6/08	Thu 3/6/08
38	1.1.2.1.1	Assign Team Roles	0.03 days	Thu 3/6/08	Thu 3/6/08
39	1.1.2.1.1.1	Determine Project Manager	0.03 days	Thu 3/6/08	Thu 3/6/08
40	1.1.2.1.1.2	Determine Hardware Specialist	0.03 days	Thu 3/6/08	Thu 3/6/08
41	1.1.2.1.1.3	Determine Documentation Specialist	0.03 days	Thu 3/6/08	Thu 3/6/08
42	1.1.2.1.1.4	Determine Webmaster	0.03 days	Thu 3/6/08	Thu 3/6/08

ID	WBS	Task Name	Duration	Start	Finish
43	1.1.2.1.1.5	Determine Marketing Specialist	0.03 days	Thu 3/6/08	Thu 3/6/08
44	1.1.2.1.1.6	Determine Software Specialist	0.03 days	Thu 3/6/08	Thu 3/6/08
45	1.1.2.1.1.7	Determine Finance Specialist	0.03 days	Thu 3/6/08	Thu 3/6/08
46	1.1.2.1.2	Design	1 day?	Thu 3/6/08	Thu 3/6/08
47	1.1.2.1.2.1	Determine Initial Features the Silencer Must Have	1 day	Thu 3/6/08	Thu 3/6/08
48	1.1.2.1.2.2	What's in the Box	1 day	Thu 3/6/08	Thu 3/6/08
49	1.1.2.1.2.3	What's NOT in the Box	1 day	Thu 3/6/08	Thu 3/6/08
50	1.1.2.1.2.4	Marketing	1 day?	Thu 3/6/08	Thu 3/6/08
51	1.1.2.1.3	Financial	1 day	Thu 3/6/08	Thu 3/6/08
52	1.1.2.1.3.1	Determine Cost of Solution	1 day	Thu 3/6/08	Thu 3/6/08
53	1.1.2.1.4	Technical	1 day	Thu 3/6/08	Thu 3/6/08
54	1.1.2.1.4.1	Determine Hardware Needed	1 day	Thu 3/6/08	Thu 3/6/08
55	1.1.2.1.4.2	Determine Hardware Costs	1 day	Thu 3/6/08	Thu 3/6/08
56	1.1.2.2	Presentation	8 days	Sat 3/1/08	Wed 3/12/08
57	1.1.2.2.1	Feasibility Presentation Script	6 days	Sat 3/1/08	Mon 3/10/08
58	1.1.2.2.2	Create Slides for Presentation	4 days	Fri 3/7/08	Wed 3/12/08
59	1.1.2.2.2.1	Organizational Chart Slide	1 day	Fri 3/7/08	Fri 3/7/08
60	1.1.2.2.2.2	Problem Statement Slide	3 days	Sun 3/9/08	Wed 3/12/08
61	1.1.2.2.2.3	Problem Analysis Slide	3 days	Sun 3/9/08	Wed 3/12/08
62	1.1.2.2.2.4	Fingerprints Slide	3 days	Sun 3/9/08	Wed 3/12/08
63	1.1.2.2.2.5	Solution Slide	1 day	Mon 3/10/08	Mon 3/10/08
64	1.1.2.2.2.6	What's in the Box? Slide	1 day	Mon 3/10/08	Mon 3/10/08
65	1.1.2.2.2.7	Installation Slides	1 day	Mon 3/10/08	Mon 3/10/08
66	1.1.2.2.2.8	MFCD Slide	1 day	Tue 3/11/08	Tue 3/11/08
67	1.1.2.2.2.9	Scenario Slides	1 day	Tue 3/11/08	Tue 3/11/08
68	1.1.2.2.2.10	Survey Slide	1 day	Tue 3/11/08	Tue 3/11/08
69	1.1.2.2.2.11	What We Don't Do Slide	1 day	Tue 3/11/08	Tue 3/11/08
70	1.1.2.2.2.12	Initial Manufacturer Support Slide	1 day	Tue 3/11/08	Tue 3/11/08
71	1.1.2.2.2.13	Organization Chart	0.6 days	Wed 3/12/08	Wed 3/12/08
72	1.1.2.2.2.14	Costs Slide	1 day	Wed 3/12/08	Wed 3/12/08
73	1.1.2.2.2.15	Risk Matrix Slide	1 day	Wed 3/12/08	Wed 3/12/08
74	1.1.2.2.2.16	Competition Slide	0.03 days	Wed 3/12/08	Wed 3/12/08
75	1.1.2.2.2.17	References	1 day	Wed 3/12/08	Wed 3/12/08
76	1.1.2.2.3	Create Handouts	1 day	Wed 3/5/08	Wed 3/5/08
77	1.1.2.2.4	Final Team Website	3 days	Sun 3/2/08	Wed 3/5/08
78	1.1.2.2.4.1	Design	3 days	Sun 3/2/08	Wed 3/5/08
79	1.1.2.2.4.2	Content	3 days	Sun 3/2/08	Wed 3/5/08
80	1.1.2.2.5	Feasibility Presentation	1 day	Thu 3/6/08	Thu 3/6/08
81	1.1.3	Presentation III - Milestone Planning	10 days?	Fri 3/28/08	Thu 4/10/08
82	1.1.3.1	Milestone Planning and Preparation	10 days?	Fri 3/28/08	Thu 4/10/08
83	1.1.3.1.1	Update Script from Feasibility Presentation	4 days	Fri 3/28/08	Wed 4/2/08
84	1.1.3.1.2	Planning	7 days	Sat 3/29/08	Tue 4/8/08
85	1.1.3.1.2.1	Create WBS	7 days	Sat 3/29/08	Tue 4/8/08

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86	1.1.3.1.2.1.1	Phase 0	7 days	Sat 3/29/08	Tue 4/8/08
87	.1.3.1.2.1.1.1	Determine Tasks	2 days	Sat 3/29/08	Tue 4/8/08
88	.1.3.1.2.1.1.2	Determine and Assign Resources	1 day	Sun 3/30/08	Fri 4/4/08
89	.1.3.1.2.1.1.3	Determine Task Dependencies	4 days	Mon 3/31/08	Thu 4/3/08
90	.1.3.1.2.1.1.4	Update Project Hours	5.13 days	Mon 3/31/08	Mon 4/7/08
91	.1.3.1.2.1.1.5	Submit Project Hours	2 days	Mon 3/31/08	Tue 4/1/08
92	.1.3.1.2.1.1.6	Level Resources	0 days	Thu 4/3/08	Thu 4/3/08
93	1.1.3.1.2.1.2	Phase 1	2 days	Thu 4/3/08	Fri 4/4/08
94	.1.3.1.2.1.2.1	Determine Tasks	2 days	Thu 4/3/08	Fri 4/4/08
95	.1.3.1.2.1.2.2	Determine and Assign Resources	0 days	Thu 4/3/08	Thu 4/3/08
96	.1.3.1.2.1.2.3	Determine Task Dependencies	0 days	Thu 4/3/08	Thu 4/3/08
97	.1.3.1.2.1.2.4	Update Project Hours	0 days	Thu 4/3/08	Thu 4/3/08
98	.1.3.1.2.1.2.5	Level Resources	0 days	Thu 4/3/08	Thu 4/3/08
99	1.1.3.1.2.1.3	Phase 2	2 days	Thu 4/3/08	Fri 4/4/08
100	.1.3.1.2.1.3.1	Determine Tasks	2 days	Thu 4/3/08	Fri 4/4/08
101	.1.3.1.2.1.3.2	Determine and Assign Resources	0 days	Thu 4/3/08	Thu 4/3/08
102	.1.3.1.2.1.3.3	Determine Task Dependencies	0 days	Thu 4/3/08	Thu 4/3/08
103	.1.3.1.2.1.3.4	Update Project Hours	0 days	Thu 4/3/08	Thu 4/3/08
104	.1.3.1.2.1.3.5	Level Resources	0 days	Thu 4/3/08	Thu 4/3/08
105	1.1.3.1.2.1.4	Phase 3	2 days	Thu 4/3/08	Fri 4/4/08
106	.1.3.1.2.1.4.1	Determine Tasks	2 days	Thu 4/3/08	Fri 4/4/08
107	.1.3.1.2.1.4.2	Determine and Assign Resources	0 days	Thu 4/3/08	Thu 4/3/08
108	.1.3.1.2.1.4.3	Determine Task Dependencies	0 days	Thu 4/3/08	Thu 4/3/08
109	.1.3.1.2.1.4.4	Update Project Hours	0 days	Thu 4/3/08	Thu 4/3/08
110	.1.3.1.2.1.4.5	Level Resources	0 days	Thu 4/3/08	Thu 4/3/08
111	1.1.3.1.2.2	Determine Non-Development Human Resources	0 days	Thu 4/3/08	Thu 4/3/08
112	1.1.3.1.3	Technical	1 day?	Thu 4/3/08	Thu 4/3/08
113	1.1.3.1.4	Financial Plan	0 days	Thu 4/3/08	Thu 4/3/08
114	1.1.3.1.4.1	Funding Agency	0 days	Thu 4/3/08	Thu 4/3/08
115	1.1.3.1.4.1.1	Determine Funding Agency	0 days	Thu 4/3/08	Thu 4/3/08
116	1.1.3.1.4.1.2	Get Required Docs for SBIR from Funding Agency	0 days	Thu 4/3/08	Thu 4/3/08
117	1.1.3.1.4.2	Determine Product Costs	0 days	Thu 4/3/08	Thu 4/3/08
118	1.1.3.1.4.3	Determine Human Resource Costs	0 days	Thu 4/3/08	Thu 4/3/08
119	1.1.3.1.4.4	Determine Technical Center Costs	0 days	Thu 4/3/08	Thu 4/3/08
120	1.1.3.1.4.5	Determine Overhead Equipment Costs	0 days	Thu 4/3/08	Thu 4/3/08
121	1.1.3.1.4.6	Determine Non-Development Human Resources Costs	0 days	Thu 4/3/08	Thu 4/3/08
122	1.1.3.1.4.7	Perform Cash Flow Analysis	0 days	Thu 4/3/08	Thu 4/3/08
123	1.1.3.1.4.8	Determine Break Even	0 days	Thu 4/3/08	Thu 4/3/08
124	1.1.3.1.4.9	Assess Financial Feasibility	0 days	Thu 4/3/08	Thu 4/3/08
125	1.1.3.1.5	Marketing	0 days	Thu 4/3/08	Thu 4/3/08
126	1.1.3.1.5.1	Determine Target Markets	0 days	Thu 4/3/08	Thu 4/3/08
127	1.1.3.1.5.1.1	Determine Rollout Market	0 days	Thu 4/3/08	Thu 4/3/08
128	1.1.3.1.5.1.2	Determine Step 2 Rollout Markets	0 days	Thu 4/3/08	Thu 4/3/08

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129	1.1.3.1.5.2	Determine Marketing Plan	0 days	Thu 4/3/08	Thu 4/3/08
130	1.1.3.1.5.2.1	Define Advertising Plan for Rollout	0 days	Thu 4/3/08	Thu 4/3/08
131	1.1.3.1.5.2.2	Define Advertising Resources for Rollout	0 days	Thu 4/3/08	Thu 4/3/08
132	1.1.3.1.5.2.3	Determine Advertising Costs for Rollout	0 days	Thu 4/3/08	Thu 4/3/08
133	1.1.3.1.5.2.4	Determine Estimated Advertising Costs for Step 2 Rollout	0 days	Thu 4/3/08	Thu 4/3/08
134	1.1.3.1.5.2.5	Determine Estimated Advertising Costs for Nationwide Rollout	0 days	Thu 4/3/08	Thu 4/3/08
135	1.1.3.1.6	Communication	9 days	Sat 3/29/08	Thu 4/10/08
136	1.1.3.1.6.1	Team Website	9 days	Sat 3/29/08	Thu 4/10/08
137	1.1.3.1.6.1.1	Design	2 days	Sat 3/29/08	Thu 4/10/08
138	1.1.3.1.6.1.2	Content	2 days	Mon 4/7/08	Tue 4/8/08
139	1.1.3.1.6.1.3	Peer Review/Test Links	1 day	Mon 4/7/08	Mon 4/7/08
140	1.1.3.1.7	SBIR	3 days	Sat 4/5/08	Wed 4/9/08
141	1.1.3.1.7.1	Determine Requirements	2 days	Sat 4/5/08	Tue 4/8/08
142	1.1.3.1.7.2	Assign SBIR Team Responsibilities	1 day	Wed 4/9/08	Wed 4/9/08
143	1.1.3.2	Presentation	7 days	Wed 4/2/08	Thu 4/10/08
144	1.1.3.2.1	Create Slides	7 days	Wed 4/2/08	Thu 4/10/08
145	1.1.3.2.1.1	Create Story Slide	2 days	Wed 4/2/08	Thu 4/3/08
146	1.1.3.2.1.2	Phase 0 Gantt Chart	1 day	Mon 4/7/08	Mon 4/7/08
147	1.1.3.2.1.3	Phase 1 Gantt Chart	1 day	Tue 4/8/08	Tue 4/8/08
148	1.1.3.2.1.4	Features	1 day	Thu 4/10/08	Thu 4/10/08
149	1.1.3.2.1.5	Marketing	1 day	Thu 4/10/08	Thu 4/10/08
150	1.1.3.2.1.6	Financial	1 day	Thu 4/10/08	Thu 4/10/08
151	1.1.3.2.1.7	Technical	1 day	Thu 4/10/08	Thu 4/10/08
152	1.1.3.2.1.8	Risks	1 day	Thu 4/10/08	Thu 4/10/08
153	1.1.3.2.2	Documentation	1 day	Thu 4/10/08	Thu 4/10/08
154	1.1.3.2.2.1	Create Overview and Abstract	1 day	Thu 4/10/08	Thu 4/10/08
155	1.1.3.2.2.2	Create Funding Plan	1 day	Thu 4/10/08	Thu 4/10/08
156	1.1.3.2.2.3	Create Marketing Plan	1 day	Thu 4/10/08	Thu 4/10/08
157	1.1.3.2.2.4	Create Risk Mitigation Plan	1 day	Thu 4/10/08	Thu 4/10/08
158	1.1.3.2.2.5	Create Technical Plan	1 day	Thu 4/10/08	Thu 4/10/08
159	1.1.3.2.3	Create Script	1 day	Wed 4/2/08	Wed 4/2/08
160	1.1.3.2.4	Create Handouts	1 day	Wed 4/2/08	Wed 4/2/08
161	1.1.3.2.5	Milestone Presentation	0.25 days	Thu 4/10/08	Thu 4/10/08
162	1.1.4	Presentation IV - Project Approval	17.63 days	Fri 4/11/08	Tue 5/6/08
163	1.1.4.1	Planning and Preparation	8.5 days	Fri 4/11/08	Wed 4/23/08
164	1.1.4.1.1	Improve Milestone Presentation	1 day	Fri 4/11/08	Fri 4/11/08
165	1.1.4.1.2	Improve WBS	2.5 days	Sun 4/20/08	Wed 4/23/08
166	1.1.4.1.3	Improve Financial Plan	1 day	Fri 4/11/08	Fri 4/11/08
167	1.1.4.1.4	Improve Marketing Plan	1 day	Fri 4/11/08	Fri 4/11/08
168	1.1.4.1.5	Improve Risk Mitigation Plan	1 day	Fri 4/11/08	Fri 4/11/08
169	1.1.4.1.6	Improve Technical Plan	1 day	Fri 4/11/08	Fri 4/11/08
170	1.1.4.1.7	Create SBIR	5.83 days	Fri 4/11/08	Fri 4/18/08
171	1.1.4.1.7.1	Cover Sheet	1 day	Fri 4/11/08	Fri 4/11/08

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172	1.1.4.1.7.2	Project Summary	1 day	Fri 4/11/08	Fri 4/11/08
173	1.1.4.1.7.3	Table of Contents	2 days	Fri 4/11/08	Mon 4/14/08
174	1.1.4.1.7.4	Project Description	4 days	Fri 4/11/08	Wed 4/16/08
175	1.1.4.1.7.5	References Cited	0.02 days	Fri 4/11/08	Fri 4/11/08
176	1.1.4.1.7.6	Biographical Sketch(es)	0.14 days	Fri 4/11/08	Fri 4/11/08
177	1.1.4.1.7.7	Budget	1 day	Fri 4/11/08	Fri 4/11/08
178	1.1.4.1.7.8	Facilities, Equipment and Other Resources	0.5 days	Fri 4/11/08	Fri 4/11/08
179	1.1.4.1.7.9	Special Information and Supplementary Documentation	1 day	Fri 4/11/08	Fri 4/11/08
180	1.1.4.1.7.10	Marketing Plan	1 day	Fri 4/11/08	Fri 4/11/08
181	1.1.4.1.7.11	Competition	0.5 days	Fri 4/11/08	Fri 4/11/08
182	1.1.4.1.7.12	Industry Analysis	1 day	Fri 4/11/08	Fri 4/11/08
183	1.1.4.1.7.13	Managment and organization plan	1 day	Fri 4/11/08	Fri 4/11/08
184	1.1.4.1.7.14	Development, milestones and exit plan	1 day	Fri 4/11/08	Fri 4/11/08
185	1.1.4.1.7.15	Funding plan	4 days	Fri 4/11/08	Wed 4/16/08
186	1.1.4.1.7.16	Evaluation plan	0.5 days	Thu 4/17/08	Thu 4/17/08
187	1.1.4.1.7.17	WBS - Gantt charts	1 day	Thu 4/17/08	Fri 4/18/08
188	1.1.4.1.7.18	Contracts	0.33 days	Fri 4/18/08	Fri 4/18/08
189	1.1.4.1.7.19	Glossary	1 day	Fri 4/11/08	Fri 4/11/08
190	1.1.4.1.7.20	Risk assessment	1 day	Fri 4/11/08	Fri 4/11/08
191	1.1.4.1.8	Create Project Website	1 day	Fri 4/11/08	Fri 4/11/08
192	1.1.4.1.8.1	Determine Website Structure	1 day	Fri 4/11/08	Fri 4/11/08
193	1.1.4.1.8.2	Determine Website Hardware	1 day	Fri 4/11/08	Fri 4/11/08
194	1.1.4.1.8.3	Create Look and Feel	1 day	Fri 4/11/08	Fri 4/11/08
195	1.1.4.1.8.4	Move Documents to Website	1 day	Fri 4/11/08	Fri 4/11/08
196	1.1.4.2	Presentation	17.25 days	Fri 4/11/08	Tue 5/6/08
197	1.1.4.2.1	Create Slides	1 day	Fri 4/11/08	Fri 4/11/08
198	1.1.4.2.1.1	Features	0.5 days	Fri 4/11/08	Fri 4/11/08
199	1.1.4.2.1.2	Marketing	1 day	Fri 4/11/08	Fri 4/11/08
200	1.1.4.2.1.3	Financial	0.2 days	Fri 4/11/08	Fri 4/11/08
201	1.1.4.2.1.4	Technical	0.2 days	Fri 4/11/08	Fri 4/11/08
202	1.1.4.2.1.5	Risks	1 day	Fri 4/11/08	Fri 4/11/08
203	1.1.4.2.2	Create Handouts	1 day	Fri 4/11/08	Fri 4/11/08
204	1.1.4.2.3	Approval Presentation	0.25 days	Tue 5/6/08	Tue 5/6/08
205	1.1.4.3	Postmortem	0.38 days	Tue 5/6/08	Tue 5/6/08
206	1.1.4.3.1	Fillout Postmortem Questionnaire	0.38 days	Tue 5/6/08	Tue 5/6/08
207	1.1.4.3.2	Hold Postmortem Meeting	0.38 days	Tue 5/6/08	Tue 5/6/08
208	1.1.4.3.3	Project Report / Lessons Learned	0.38 days	Tue 5/6/08	Tue 5/6/08
209	1.1.5	SBIR I Grant Proposal	22 days	Tue 5/6/08	Thu 6/5/08
210	1.1.5.1	Create SBIR Phase 1 Proposal	21 days	Tue 5/6/08	Wed 6/4/08
211	1.1.5.2	SBIR Phase 1 Approval	1 day	Wed 6/4/08	Thu 6/5/08
212	1.2	Summer Research	65 days	Thu 6/5/08	Thu 9/4/08
213	1.3	Phase 1	94 days	Thu 9/4/08	Wed 1/14/09

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303	1.4	Phase 2	154.5 days	Wed 1/14/09	Wed 8/19/09
405	1.5	Phase 3	291 days	Wed 8/19/09	Thu 9/30/10