

ID	WBS	Task Name	Duration	Start	Finish
1	1	The Silencer	712 days	Tue 1/15/08	Wed 10/6/10
2	1.1	Phase 0	104 days	Tue 1/15/08	Fri 6/6/08
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	1 day	Thu 3/6/08	Thu 3/6/08
39	1.1.2.1.1.1	Determine Project Manager	1 day	Thu 3/6/08	Thu 3/6/08
40	1.1.2.1.1.2	Determine Hardware Specialist	1 day	Thu 3/6/08	Thu 3/6/08
41	1.1.2.1.1.3	Determine Documentation Specialist	1 day	Thu 3/6/08	Thu 3/6/08
42	1.1.2.1.1.4	Determine Webmaster	1 day	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	1 day	Thu 3/6/08	Thu 3/6/08
44	1.1.2.1.1.6	Determine Software Specialist	1 day	Thu 3/6/08	Thu 3/6/08
45	1.1.2.1.1.7	Determine Finance Specialist	1 day	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	1 day	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	1 day	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	1 day	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	1 day	Thu 4/3/08	Thu 4/3/08
96	.1.3.1.2.1.2.3	Determine Task Dependencies	1 day	Thu 4/3/08	Thu 4/3/08
97	.1.3.1.2.1.2.4	Update Project Hours	1 day	Thu 4/3/08	Thu 4/3/08
98	.1.3.1.2.1.2.5	Level Resources	1 day	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	1 day	Thu 4/3/08	Thu 4/3/08
102	.1.3.1.2.1.3.3	Determine Task Dependencies	1 day	Thu 4/3/08	Thu 4/3/08
103	.1.3.1.2.1.3.4	Update Project Hours	1 day	Thu 4/3/08	Thu 4/3/08
104	.1.3.1.2.1.3.5	Level Resources	1 day	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	1 day	Thu 4/3/08	Thu 4/3/08
108	.1.3.1.2.1.4.3	Determine Task Dependencies	1 day	Thu 4/3/08	Thu 4/3/08
109	.1.3.1.2.1.4.4	Update Project Hours	1 day	Thu 4/3/08	Thu 4/3/08
110	.1.3.1.2.1.4.5	Level Resources	1 day	Thu 4/3/08	Thu 4/3/08
111	1.1.3.1.2.2	Determine Non-Development Human Resources	1 day	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	1 day	Thu 4/3/08	Thu 4/3/08
114	1.1.3.1.4.1	Funding Agency	1 day	Thu 4/3/08	Thu 4/3/08
115	1.1.3.1.4.1.1	Determine Funding Agency	1 day	Thu 4/3/08	Thu 4/3/08
116	1.1.3.1.4.1.2	Get Required Docs for SBIR from Funding Agency	1 day	Thu 4/3/08	Thu 4/3/08
117	1.1.3.1.4.2	Determine Product Costs	1 day	Thu 4/3/08	Thu 4/3/08
118	1.1.3.1.4.3	Determine Human Resource Costs	1 day	Thu 4/3/08	Thu 4/3/08
119	1.1.3.1.4.4	Determine Technical Center Costs	1 day	Thu 4/3/08	Thu 4/3/08
120	1.1.3.1.4.5	Determine Overhead Equipment Costs	1 day	Thu 4/3/08	Thu 4/3/08
121	1.1.3.1.4.6	Determine Non-Development Human Resources Costs	1 day	Thu 4/3/08	Thu 4/3/08
122	1.1.3.1.4.7	Perform Cash Flow Analysis	1 day	Thu 4/3/08	Thu 4/3/08
123	1.1.3.1.4.8	Determine Break Even	1 day	Thu 4/3/08	Thu 4/3/08
124	1.1.3.1.4.9	Assess Financial Feasibility	1 day	Thu 4/3/08	Thu 4/3/08
125	1.1.3.1.5	Marketing	1 day	Thu 4/3/08	Thu 4/3/08
126	1.1.3.1.5.1	Determine Target Markets	1 day	Thu 4/3/08	Thu 4/3/08
127	1.1.3.1.5.1.1	Determine Rollout Market	1 day	Thu 4/3/08	Thu 4/3/08
128	1.1.3.1.5.1.2	Determine Step 2 Rollout Markets	1 day	Thu 4/3/08	Thu 4/3/08

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129	1.1.3.1.5.2	Determine Marketing Plan	1 day	Thu 4/3/08	Thu 4/3/08
130	1.1.3.1.5.2.1	Define Advertising Plan for Rollout	1 day	Thu 4/3/08	Thu 4/3/08
131	1.1.3.1.5.2.2	Define Advertising Resources for Rollout	1 day	Thu 4/3/08	Thu 4/3/08
132	1.1.3.1.5.2.3	Determine Advertising Costs for Rollout	1 day	Thu 4/3/08	Thu 4/3/08
133	1.1.3.1.5.2.4	Determine Estimated Advertising Costs for Step 2 Rollout	1 day	Thu 4/3/08	Thu 4/3/08
134	1.1.3.1.5.2.5	Determine Estimated Advertising Costs for Nationwide Rollout	1 day	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	1 day	Thu 4/10/08	Thu 4/10/08
162	1.1.4	Presentation IV - Project Approval	19 days	Fri 4/11/08	Wed 5/7/08
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	7 days	Fri 4/11/08	Mon 4/21/08
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	1 day	Fri 4/11/08	Fri 4/11/08
176	1.1.4.1.7.6	Biographical Sketch(es)	1 day	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	1 day	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	1 day	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	1 day	Thu 4/17/08	Thu 4/17/08
187	1.1.4.1.7.17	WBS - Gantt charts	1 day	Fri 4/18/08	Fri 4/18/08
188	1.1.4.1.7.18	Contracts	1 day	Mon 4/21/08	Mon 4/21/08
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	18 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	1 day	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	1 day	Fri 4/11/08	Fri 4/11/08
201	1.1.4.2.1.4	Technical	1 day	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	1 day	Tue 5/6/08	Tue 5/6/08
205	1.1.4.3	Postmortem	1 day	Wed 5/7/08	Wed 5/7/08
206	1.1.4.3.1	Fillout Postmortem Questionnaire	1 day	Wed 5/7/08	Wed 5/7/08
207	1.1.4.3.2	Hold Postmortem Meeting	1 day	Wed 5/7/08	Wed 5/7/08
208	1.1.4.3.3	Project Report / Lessons Learned	1 day	Wed 5/7/08	Wed 5/7/08
209	1.1.5	SBIR I Grant Proposal	22 days	Thu 5/8/08	Fri 6/6/08
210	1.1.5.1	Create SBIR Phase 1 Proposal	21 days	Thu 5/8/08	Thu 6/5/08
211	1.1.5.2	SBIR Phase 1 Approval	1 day	Fri 6/6/08	Fri 6/6/08
212	1.2	Summer Research	65 days	Mon 6/9/08	Fri 9/5/08
213	1.3	Phase 1	94 days	Mon 9/8/08	Thu 1/15/09

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214	1.3.1	Team Development	7 days	Mon 9/8/08	Tue 9/16/08
215	1.3.1.1	Identify New Team Members	6 days	Mon 9/8/08	Mon 9/15/08
216	1.3.1.2	Reassign Responsibilities as Needed	1 day	Tue 9/16/08	Tue 9/16/08
217	1.3.1.3	Get New Members to Sign Project Charter	1 day	Tue 9/16/08	Tue 9/16/08
218	1.3.2	Phase 0 Outcome Review	2 days	Mon 9/8/08	Tue 9/9/08
219	1.3.2.1	Update Project from Approval Presentation Phase 0	2 days	Mon 9/8/08	Tue 9/9/08
220	1.3.3	Documentations	92 days	Wed 9/10/08	Thu 1/15/09
221	1.3.3.1	Product Description Paper (Writing - Lab I)	21 days	Wed 9/10/08	Wed 10/8/08
222	1.3.3.2	Development Environment Requirements for Prototype (Writing - Req	7 days	Thu 10/9/08	Fri 10/17/08
223	1.3.3.3	Prototype Product Specification (Writing - Lab II)	14 days	Thu 10/9/08	Tue 10/28/08
224	1.3.3.4	Prototype Test Plan/Procedures (Writing - Lab III)	21 days	Wed 10/29/08	Wed 11/26/08
225	1.3.3.5	Product/Prototype User's Manuals (Writing - Lab IV)	14 days	Thu 11/27/08	Tue 12/16/08
226	1.3.3.6	SBIR II Grant Proposal (Writing - Lab V)	22 days	Wed 12/17/08	Thu 1/15/09
227	1.3.3.6.1	SBIR Grant Proposal	21 days	Wed 12/17/08	Wed 1/14/09
228	1.3.3.6.2	SBIR Phase 2 Approval	1 day	Thu 1/15/09	Thu 1/15/09
229	1.3.4	Prototype Development	77 days	Wed 9/10/08	Thu 12/25/08
230	1.3.4.1	Prototype Planning	6 days	Wed 9/10/08	Wed 9/17/08
231	1.3.4.1.1	Define Approach	2 days	Wed 9/10/08	Thu 9/11/08
232	1.3.4.1.1.1	Define Group Meeting Times	1 day	Wed 9/10/08	Wed 9/10/08
233	1.3.4.1.1.2	Determine Communication Methods	1 day	Thu 9/11/08	Thu 9/11/08
234	1.3.4.1.2	Determine Development Platform	6 days	Wed 9/10/08	Wed 9/17/08
235	1.3.4.2	Prototype Requirements	6 days	Thu 9/18/08	Thu 9/25/08
236	1.3.4.2.1	Define Functional Level Requirements	6 days	Thu 9/18/08	Thu 9/25/08
237	1.3.4.2.1.1	Define Functional Level Requirements	1 day	Thu 9/18/08	Thu 9/18/08
238	1.3.4.2.1.2	Functional Requirements Document	5 days	Fri 9/19/08	Thu 9/25/08
239	1.3.4.2.2	Car - LEGO Mindstorm	1 day	Thu 9/18/08	Thu 9/18/08
240	1.3.4.2.2.1	Define Car's Prototype Hardware Requirements	1 day	Thu 9/18/08	Thu 9/18/08
241	1.3.4.2.2.2	Define Car's Software Requirements	1 day	Thu 9/18/08	Thu 9/18/08
242	1.3.4.2.3	The Silencer	1 day	Thu 9/18/08	Thu 9/18/08
243	1.3.4.2.3.1	Define The Silencer's Prototype Hardware Requirements	1 day	Thu 9/18/08	Thu 9/18/08
244	1.3.4.2.3.2	Define The Silencer's Software Requirements	1 day	Thu 9/18/08	Thu 9/18/08
245	1.3.4.2.3.2.1	Define Interface Requirements	1 day	Thu 9/18/08	Thu 9/18/08
246	1.3.4.2.3.2.2	Define Features to be implemented	1 day	Thu 9/18/08	Thu 9/18/08
247	1.3.4.2.4	Cell phone	1 day	Thu 9/18/08	Thu 9/18/08
248	1.3.4.2.4.1	Determine the cell phone's brand to be used	1 day	Thu 9/18/08	Thu 9/18/08
249	1.3.4.2.4.2	Define Software Requirements	1 day	Thu 9/18/08	Thu 9/18/08
250	1.3.4.2.4.2.1	Define Interface Requirements	1 day	Thu 9/18/08	Thu 9/18/08
251	1.3.4.2.4.2.2	Define Features to be implemented	1 day	Thu 9/18/08	Thu 9/18/08
252	1.3.4.2.5	Create Requirements Doc	1 day	Thu 9/18/08	Thu 9/18/08
253	1.3.4.2.5.1	Hardware	1 day	Thu 9/18/08	Thu 9/18/08
254	1.3.4.2.5.1.1	Create Requirements Doc for Car	1 day	Thu 9/18/08	Thu 9/18/08

ID	WBS	Task Name	Duration	Start	Finish
255	1.3.4.2.5.1.2	Create Requirements Doc for The Silencer	1 day	Thu 9/18/08	Thu 9/18/08
256	1.3.4.2.5.2	Software	1 day	Thu 9/18/08	Thu 9/18/08
257	1.3.4.2.5.2.1	Create Requirements Doc for Car	1 day	Thu 9/18/08	Thu 9/18/08
258	1.3.4.2.5.2.2	Create Requirements Doc for The Silencer	1 day	Thu 9/18/08	Thu 9/18/08
259	1.3.4.2.5.2.3	Create Requirements Doc for Cell phone	1 day	Thu 9/18/08	Thu 9/18/08
260	1.3.4.3	Hardware Procurement	10 days	Fri 9/26/08	Thu 10/9/08
261	1.3.4.4	Software Development	30 days	Fri 10/10/08	Thu 11/20/08
262	1.3.4.4.1	Software Design	10 days	Fri 10/10/08	Thu 10/23/08
263	1.3.4.4.1.1	Car	8 days	Fri 10/10/08	Tue 10/21/08
264	1.3.4.4.1.1.1	Design Signal-Sending Algorithm	8 days	Fri 10/10/08	Tue 10/21/08
265	1.3.4.4.1.2	The Silencer	10 days	Fri 10/10/08	Thu 10/23/08
266	1.3.4.4.1.2.1	Design Gui Interface	10 days	Fri 10/10/08	Thu 10/23/08
267	1.3.4.4.1.2.2	Design Signal-Sending Algorithm	10 days	Fri 10/10/08	Thu 10/23/08
268	1.3.4.4.1.3	Cell phone	10 days	Fri 10/10/08	Thu 10/23/08
269	1.3.4.4.1.3.1	Design Gui Interface	10 days	Fri 10/10/08	Thu 10/23/08
270	1.3.4.4.1.3.2	Design Signal-Handling Algorithm	10 days	Fri 10/10/08	Thu 10/23/08
271	1.3.4.4.1.3.3	Design Call-Blocking Algorithm	10 days	Fri 10/10/08	Thu 10/23/08
272	1.3.4.4.1.3.4	Specify exception numbers	10 days	Fri 10/10/08	Thu 10/23/08
273	1.3.4.4.2	Software Development	10 days	Fri 10/24/08	Thu 11/6/08
274	1.3.4.4.2.1	Car	8 days	Fri 10/24/08	Tue 11/4/08
275	1.3.4.4.2.1.1	Develop Signal-Sending Algorithm	8 days	Fri 10/24/08	Tue 11/4/08
276	1.3.4.4.2.2	The Silencer	10 days	Fri 10/24/08	Thu 11/6/08
277	1.3.4.4.2.2.1	Develop Gui Interface	10 days	Fri 10/24/08	Thu 11/6/08
278	1.3.4.4.2.2.2	Develop Signal-Sending Algorithm	10 days	Fri 10/24/08	Thu 11/6/08
279	1.3.4.4.2.3	Cell phone	10 days	Fri 10/24/08	Thu 11/6/08
280	1.3.4.4.2.3.1	Develop Gui Interface	10 days	Fri 10/24/08	Thu 11/6/08
281	1.3.4.4.2.3.2	Develop Signal-Handling Algorithm	10 days	Fri 10/24/08	Thu 11/6/08
282	1.3.4.4.2.3.3	Develop Call-Blocking Algorithm	10 days	Fri 10/24/08	Thu 11/6/08
283	1.3.4.4.3	Software Testing	10 days	Fri 11/7/08	Thu 11/20/08
284	1.3.4.4.3.1	Car	8 days	Fri 11/7/08	Tue 11/18/08
285	1.3.4.4.3.1.1	Test Signal-Sending Algorithm	8 days	Fri 11/7/08	Tue 11/18/08
286	1.3.4.4.3.2	The Silencer	10 days	Fri 11/7/08	Thu 11/20/08
287	1.3.4.4.3.2.1	Test Gui Interface	10 days	Fri 11/7/08	Thu 11/20/08
288	1.3.4.4.3.2.2	Test Signal-Sending Algorithm	10 days	Fri 11/7/08	Thu 11/20/08
289	1.3.4.4.3.3	Cell phone	10 days	Fri 11/7/08	Thu 11/20/08
290	1.3.4.4.3.3.1	Test Gui Interface	10 days	Fri 11/7/08	Thu 11/20/08
291	1.3.4.4.3.3.2	Test Signal-Handling Algorithm	10 days	Fri 11/7/08	Thu 11/20/08
292	1.3.4.4.3.3.3	Test Call-Blocking Algorithm	10 days	Fri 11/7/08	Thu 11/20/08
293	1.3.4.5	Prototype Implementation	4.89 days	Fri 11/21/08	Thu 11/27/08
294	1.3.4.5.1	Setup Prototype for Demo	3.26 days	Fri 11/21/08	Wed 11/26/08
295	1.3.4.5.2	Production Readiness Test	1.63 days	Wed 11/26/08	Thu 11/27/08
296	1.3.4.6	Prototype Demonstration	11 days	Thu 12/11/08	Thu 12/25/08

ID	WBS	Task Name	Duration	Start	Finish
297	1.3.4.6.1	Prototype Presentation I	1 day	Thu 12/11/08	Thu 12/11/08
298	1.3.4.6.2	Final Prototype Demonstration	1 day	Thu 12/25/08	Thu 12/25/08
299	1.3.5	Project Web Page	24 days	Mon 11/3/08	Thu 12/4/08
300	1.3.5.1	Design Project Web Page	8 days	Mon 11/3/08	Wed 11/12/08
301	1.3.5.2	Develop Project Web Page	8 days	Thu 11/13/08	Mon 11/24/08
302	1.3.5.3	Test Project Web Page	8 days	Tue 11/25/08	Thu 12/4/08
303	1.4	Phase 2	156 days	Fri 1/16/09	Fri 8/21/09
304	1.4.1	Team Development	23 days	Fri 1/16/09	Tue 2/17/09
305	1.4.1.1	Personnel	23 days	Fri 1/16/09	Tue 2/17/09
306	1.4.1.1.1	Identify New Team Members	1 day	Fri 1/16/09	Fri 1/16/09
307	1.4.1.1.2	Hire New Management Resources	21 days	Fri 1/16/09	Fri 2/13/09
308	1.4.1.1.3	Get New Team Members to Sign Project Charter	1 day	Mon 2/16/09	Mon 2/16/09
309	1.4.1.1.4	Reassign Responsibilities as Needed	1 day	Tue 2/17/09	Tue 2/17/09
310	1.4.2	Phase 1 Outcome Review	2 days	Wed 2/18/09	Thu 2/19/09
311	1.4.3	Planning	49 days	Fri 2/20/09	Wed 4/29/09
312	1.4.3.1	Define Approach	2 days	Fri 2/20/09	Mon 2/23/09
313	1.4.3.1.1	Determine Communication Methods	1 day	Fri 2/20/09	Fri 2/20/09
314	1.4.3.1.2	Determine Development Approach	1 day	Mon 2/23/09	Mon 2/23/09
315	1.4.3.2	Define Functional Level Requirements	10 days	Tue 2/24/09	Mon 3/9/09
316	1.4.3.2.1	Define Functional Level Requirements	5 days	Tue 2/24/09	Mon 3/2/09
317	1.4.3.2.1.1	Define The Silencer's Software Functional Level Requirements	5 days	Tue 2/24/09	Mon 3/2/09
318	1.4.3.2.1.2	Define The Silencer's Hardware Functional Level Requirements	3 days	Tue 2/24/09	Thu 2/26/09
319	1.4.3.2.1.3	Define Cell Phone Software Fuctional Level Requirements	1 day	Tue 2/24/09	Tue 2/24/09
320	1.4.3.2.2	Functional Requirements Document	5 days	Tue 3/3/09	Mon 3/9/09
321	1.4.3.3	Hardware Vendors	49 days	Fri 2/20/09	Wed 4/29/09
322	1.4.3.3.1	Procurement Planning	10 days	Fri 2/20/09	Thu 3/5/09
323	1.4.3.3.1.1	Determine Requirements	5 days	Fri 2/20/09	Thu 2/26/09
324	1.4.3.3.1.2	Create Statement of Work	5 days	Fri 2/27/09	Thu 3/5/09
325	1.4.3.3.2	Solicitation Planning	9 days	Fri 3/6/09	Wed 3/18/09
326	1.4.3.3.2.1	Identify Potential Vendors	5 days	Fri 3/6/09	Thu 3/12/09
327	1.4.3.3.2.2	Develop Evaluation Criteria	1 day	Fri 3/13/09	Fri 3/13/09
328	1.4.3.3.2.3	Create RFP (Request for Proposal)	3 days	Mon 3/16/09	Wed 3/18/09
329	1.4.3.3.3	Solicitation	16 days	Thu 3/19/09	Thu 4/9/09
330	1.4.3.3.3.1	Send RFP to Vendors	1 day	Thu 3/19/09	Thu 3/19/09
331	1.4.3.3.3.2	Proposals Received	1 day	Thu 4/9/09	Thu 4/9/09
332	1.4.3.3.4	Solicitation Selection	3 days	Fri 4/10/09	Tue 4/14/09
333	1.4.3.3.4.1	Select Vendor based on Criteria	3 days	Fri 4/10/09	Tue 4/14/09
334	1.4.3.3.5	Contract Admin	4 days	Wed 4/15/09	Mon 4/20/09
335	1.4.3.3.5.1	Create Formal Contract	3 days	Wed 4/15/09	Fri 4/17/09
336	1.4.3.3.5.2	Send Contract to Vendor	1 day	Mon 4/20/09	Mon 4/20/09
337	1.4.3.3.6	Contract Closeout	7 days	Tue 4/21/09	Wed 4/29/09
338	1.4.3.3.6.1	Evaluate Products Received	5 days	Tue 4/21/09	Mon 4/27/09

ID	WBS	Task Name	Duration	Start	Finish
339	1.4.3.3.6.2	Evaluate Contract Terms Being Met	1 day	Tue 4/28/09	Tue 4/28/09
340	1.4.3.3.6.3	Formal Acceptance	1 day	Wed 4/29/09	Wed 4/29/09
341	1.4.3.3.7	Advertising	11 days	Fri 3/13/09	Fri 3/27/09
342	1.4.3.3.7.1	Select Advertising Agency	5 days	Fri 3/13/09	Thu 3/19/09
343	1.4.3.3.7.2	Product Name and Logo Selection	6 days	Fri 3/20/09	Fri 3/27/09
344	1.4.4	Requirements	4 days	Thu 4/30/09	Tue 5/5/09
345	1.4.4.1	Car	1 day	Thu 4/30/09	Thu 4/30/09
346	1.4.4.1.1	Define Prototype Hardware Requirements	1 day	Thu 4/30/09	Thu 4/30/09
347	1.4.4.1.2	Define Software Requirements	1 day	Thu 4/30/09	Thu 4/30/09
348	1.4.4.2	The Silencer	1 day	Fri 5/1/09	Fri 5/1/09
349	1.4.4.2.1	Define Prototype Hardware Requirements	1 day	Fri 5/1/09	Fri 5/1/09
350	1.4.4.2.2	Define Software Requirements	1 day	Fri 5/1/09	Fri 5/1/09
351	1.4.4.3	Cell Phone	1 day	Mon 5/4/09	Mon 5/4/09
352	1.4.4.3.1	Define Hardware Requirements	1 day	Mon 5/4/09	Mon 5/4/09
353	1.4.4.3.2	Define Software Requirements	1 day	Mon 5/4/09	Mon 5/4/09
354	1.4.4.4	Create Requirements Doc	1 day	Tue 5/5/09	Tue 5/5/09
355	1.4.4.4.1	Hardware	1 day	Tue 5/5/09	Tue 5/5/09
356	1.4.4.4.1.1	Create Requirements Doc for Car	1 day	Tue 5/5/09	Tue 5/5/09
357	1.4.4.4.1.2	Create Requirements Doc for The Silencer	1 day	Tue 5/5/09	Tue 5/5/09
358	1.4.4.4.1.3	Create Requirements Doc for Cell Phone	1 day	Tue 5/5/09	Tue 5/5/09
359	1.4.4.4.2	Software	1 day	Tue 5/5/09	Tue 5/5/09
360	1.4.4.4.2.1	Create Requirements Doc for Car	1 day	Tue 5/5/09	Tue 5/5/09
361	1.4.4.4.2.2	Create Requirements Doc for The Silencer	1 day	Tue 5/5/09	Tue 5/5/09
362	1.4.4.4.2.3	Create Requirements Doc for Cell Phone	1 day	Tue 5/5/09	Tue 5/5/09
363	1.4.5	Development Environment Setup	4 days	Wed 5/6/09	Mon 5/11/09
364	1.4.5.1	Car	4 days	Wed 5/6/09	Mon 5/11/09
365	1.4.5.2	The Silencer	4 days	Wed 5/6/09	Mon 5/11/09
366	1.4.5.3	Cell Phone	3 days	Wed 5/6/09	Fri 5/8/09
367	1.4.6	Software Development	30 days	Tue 5/12/09	Mon 6/22/09
368	1.4.6.1	Software Design	10 days	Tue 5/12/09	Mon 5/25/09
369	1.4.6.1.1	Car	8 days	Tue 5/12/09	Thu 5/21/09
370	1.4.6.1.1.1	Design Signal-Sending Algorithm	8 days	Tue 5/12/09	Thu 5/21/09
371	1.4.6.1.2	The Silencer	10 days	Tue 5/12/09	Mon 5/25/09
372	1.4.6.1.2.1	Design GUI Interface	10 days	Tue 5/12/09	Mon 5/25/09
373	1.4.6.1.2.2	Design Signal-Sending Algorithm	10 days	Tue 5/12/09	Mon 5/25/09
374	1.4.6.1.3	Cell phone	10 days	Tue 5/12/09	Mon 5/25/09
375	1.4.6.1.3.1	Design GUI Interface	10 days	Tue 5/12/09	Mon 5/25/09
376	1.4.6.1.3.2	Design Signal-Handling Algorithm	10 days	Tue 5/12/09	Mon 5/25/09
377	1.4.6.1.3.3	Design Call-Blocking Algorithm	10 days	Tue 5/12/09	Mon 5/25/09
378	1.4.6.1.3.4	Specify exception numbers	10 days	Tue 5/12/09	Mon 5/25/09
379	1.4.6.2	Software Development	10 days	Tue 5/26/09	Mon 6/8/09
380	1.4.6.2.1	Car	8 days	Tue 5/26/09	Thu 6/4/09

ID	WBS	Task Name	Duration	Start	Finish
381	1.4.6.2.1.1	Develop Signal-Sending Algorithm	8 days	Tue 5/26/09	Thu 6/4/09
382	1.4.6.2.2	The Silencer	10 days	Tue 5/26/09	Mon 6/8/09
383	1.4.6.2.2.1	Develop GUI Interface	10 days	Tue 5/26/09	Mon 6/8/09
384	1.4.6.2.2.2	Develop Signal-Sending Algorithm	10 days	Tue 5/26/09	Mon 6/8/09
385	1.4.6.2.3	Cell phone	10 days	Tue 5/26/09	Mon 6/8/09
386	1.4.6.2.3.1	Develop GUI Interface	10 days	Tue 5/26/09	Mon 6/8/09
387	1.4.6.2.3.2	Develop Signal-Handling Algorithm	10 days	Tue 5/26/09	Mon 6/8/09
388	1.4.6.2.3.3	Develop Call-Blocking Algorithm	10 days	Tue 5/26/09	Mon 6/8/09
389	1.4.6.3	Software Testing	10 days	Tue 6/9/09	Mon 6/22/09
390	1.4.6.3.1	Car	8 days	Tue 6/9/09	Thu 6/18/09
391	1.4.6.3.1.1	Test Signal-Sending Algorithm	8 days	Tue 6/9/09	Thu 6/18/09
392	1.4.6.3.2	The Silencer	10 days	Tue 6/9/09	Mon 6/22/09
393	1.4.6.3.2.1	Test GUI Interface	10 days	Tue 6/9/09	Mon 6/22/09
394	1.4.6.3.2.2	Test Signal-Sending Algorithm	10 days	Tue 6/9/09	Mon 6/22/09
395	1.4.6.3.3	Cell phone	10 days	Tue 6/9/09	Mon 6/22/09
396	1.4.6.3.3.1	Test GUI Interface	10 days	Tue 6/9/09	Mon 6/22/09
397	1.4.6.3.3.2	Test Signal-Handling Algorithm	10 days	Tue 6/9/09	Mon 6/22/09
398	1.4.6.3.3.3	Test Call-Blocking Algorithm	10 days	Tue 6/9/09	Mon 6/22/09
399	1.4.7	User Documentation	30 days	Tue 6/23/09	Mon 8/3/09
400	1.4.7.1	Installation Guide	20 days	Tue 6/23/09	Mon 7/20/09
401	1.4.7.2	User Manual	30 days	Tue 6/23/09	Mon 8/3/09
402	1.4.8	Implementation	14 days	Tue 8/4/09	Fri 8/21/09
403	1.4.8.1	Setup Prototype for Demo	2 days	Tue 8/4/09	Wed 8/5/09
404	1.4.8.2	Production Readiness Test	12 days	Thu 8/6/09	Fri 8/21/09
405	1.5	Phase 3	293 days	Mon 8/24/09	Wed 10/6/10
406	1.5.1	Team Development	2 days	Mon 8/24/09	Tue 8/25/09
407	1.5.1.1	Identify New Team Members	1 day	Mon 8/24/09	Mon 8/24/09
408	1.5.1.2	Reassign Responsibilities as Needed	1 day	Tue 8/25/09	Tue 8/25/09
409	1.5.2	Phase 2 Outcome Review	2 days	Wed 8/26/09	Thu 8/27/09
410	1.5.3	Production - The Silencer	208 days	Fri 8/28/09	Tue 6/15/10
411	1.5.3.1	Hardware Vendors	34 days	Fri 8/28/09	Wed 10/14/09
412	1.5.3.1.1	Procurement Planning	10 days	Fri 8/28/09	Thu 9/10/09
413	1.5.3.1.1.1	Determine Requirements	5 days	Fri 8/28/09	Thu 9/3/09
414	1.5.3.1.1.2	Create Statement of Work	5 days	Fri 9/4/09	Thu 9/10/09
415	1.5.3.1.2	Solicitation Planning	9 days	Fri 9/11/09	Wed 9/23/09
416	1.5.3.1.2.1	Identify Potential Vendors	5 days	Fri 9/11/09	Thu 9/17/09
417	1.5.3.1.2.2	Develop Evaluation Criteria	1 day	Fri 9/18/09	Fri 9/18/09
418	1.5.3.1.2.3	Create RFP (Request for Proposal)	3 days	Mon 9/21/09	Wed 9/23/09
419	1.5.3.1.3	Solicitation	2 days	Thu 9/24/09	Fri 9/25/09
420	1.5.3.1.3.1	Send RFP to Vendors	1 day	Thu 9/24/09	Thu 9/24/09
421	1.5.3.1.3.2	Proposals Received	1 day	Fri 9/25/09	Fri 9/25/09

ID	WBS	Task Name	Duration	Start	Finish
422	1.5.3.1.4	Solicitation Selection	3 days	Mon 9/28/09	Wed 9/30/09
423	1.5.3.1.4.1	Select Vendor based on Criteria	3 days	Mon 9/28/09	Wed 9/30/09
424	1.5.3.1.5	Contract Admin	4 days	Thu 10/1/09	Tue 10/6/09
425	1.5.3.1.5.1	Create Formal Contract	3 days	Thu 10/1/09	Mon 10/5/09
426	1.5.3.1.5.2	Send Contract to Vendor	1 day	Tue 10/6/09	Tue 10/6/09
427	1.5.3.1.6	Hardware	4 days	Wed 10/7/09	Mon 10/12/09
428	1.5.3.1.6.1	Receive Hardware from Vendor	1 day	Wed 10/7/09	Wed 10/7/09
429	1.5.3.1.6.2	Evaluate Hardware Received	3 days	Thu 10/8/09	Mon 10/12/09
430	1.5.3.1.7	Contract Closeout	2 days	Tue 10/13/09	Wed 10/14/09
431	1.5.3.1.7.1	Evaluate Contract Terms Being Met	1 day	Tue 10/13/09	Tue 10/13/09
432	1.5.3.1.7.2	Formal Acceptance	1 day	Wed 10/14/09	Wed 10/14/09
433	1.5.3.2	Office	36 days	Fri 8/28/09	Fri 10/16/09
434	1.5.3.2.1	Hire Office Staff	15 days	Fri 8/28/09	Thu 9/17/09
435	1.5.3.2.2	Set up Phones	2 days	Fri 8/28/09	Mon 8/31/09
436	1.5.3.2.3	Order Office PCs	5 days	Fri 8/28/09	Thu 9/3/09
437	1.5.3.2.4	Receive PCs	1 day	Fri 9/4/09	Fri 9/4/09
438	1.5.3.2.5	Set up Computers	2 days	Mon 9/7/09	Tue 9/8/09
439	1.5.3.2.6	Train Office Staff	30 days	Mon 9/7/09	Fri 10/16/09
440	1.5.3.3	Technical Support	38 days	Fri 8/28/09	Tue 10/20/09
441	1.5.3.3.1	Hire Customer Support Staff	15 days	Fri 8/28/09	Thu 9/17/09
442	1.5.3.3.2	Set up Phones	2 days	Mon 8/31/09	Tue 9/1/09
443	1.5.3.3.3	Order Office PCs	5 days	Fri 8/28/09	Thu 9/3/09
444	1.5.3.3.4	Receive PCs	1 day	Fri 9/4/09	Fri 9/4/09
445	1.5.3.3.5	Set up Computers	2 days	Mon 9/7/09	Tue 9/8/09
446	1.5.3.3.6	Train Customer Support Staff	30 days	Wed 9/9/09	Tue 10/20/09
447	1.5.3.4	Financial	31 days	Fri 8/28/09	Fri 10/9/09
448	1.5.3.4.1	Retain Venture Capital from CIT	30 days	Fri 8/28/09	Thu 10/8/09
449	1.5.3.4.2	CIT Grant Approval	1 day	Fri 10/9/09	Fri 10/9/09
450	1.5.3.5	Website	180 days	Fri 8/28/09	Thu 5/6/10
451	1.5.3.5.1	Create Customer Facing Website	180 days	Fri 8/28/09	Thu 5/6/10
452	1.5.3.6	Marketing	208 days	Fri 8/28/09	Tue 6/15/10
453	1.5.3.6.1	Beta Test	66 days	Fri 8/28/09	Fri 11/27/09
454	1.5.3.6.1.1	Select Beta Test Market	1 day	Fri 8/28/09	Fri 8/28/09
455	1.5.3.6.1.2	Choose 6 Test Locations	10 days	Mon 8/31/09	Fri 9/11/09
456	1.5.3.6.1.3	Perform Beta Test	40 days	Mon 9/14/09	Fri 11/6/09
457	1.5.3.6.1.4	Get Test Feedback	10 days	Mon 11/9/09	Fri 11/20/09
458	1.5.3.6.1.5	Create Beta Test Results Report	5 days	Mon 11/23/09	Fri 11/27/09
459	1.5.3.6.2	Initial Rollout	36 days	Mon 12/21/09	Mon 2/8/10
460	1.5.3.6.2.1	Advertising	36 days	Mon 12/21/09	Mon 2/8/10
461	1.5.3.6.2.1.1	Determine Advertising Agency	5 days	Mon 12/21/09	Fri 12/25/09
462	1.5.3.6.2.1.2	Prepare Advertising Materials	30 days	Mon 12/28/09	Fri 2/5/10
463	1.5.3.6.2.1.3	Launch Marketing Campaign	1 day	Mon 2/8/10	Mon 2/8/10

ID	WBS	Task Name	Duration	Start	Finish
464	1.5.3.6.3	Step 2 Rollout	91 days	Tue 2/9/10	Tue 6/15/10
465	1.5.3.6.3.1	Advertising	31 days	Tue 2/9/10	Tue 3/23/10
466	1.5.3.6.3.1.1	Prepare Advertising Materials	30 days	Tue 2/9/10	Mon 3/22/10
467	1.5.3.6.3.1.2	Launch Marketing Campaign	1 day	Tue 3/23/10	Tue 3/23/10
468	1.5.3.6.3.2	Nationwide Rollout	31 days	Tue 5/4/10	Tue 6/15/10
469	1.5.3.6.3.2.1	Advertising	31 days	Tue 5/4/10	Tue 6/15/10
470	5.3.6.3.2.1.1	Prepare Advertising Materials	30 days	Tue 5/4/10	Mon 6/14/10
471	5.3.6.3.2.1.2	Launch Marketing Campaign	1 day	Tue 6/15/10	Tue 6/15/10
472	1.5.4	Post Production Improvements	81 days	Wed 6/16/10	Wed 10/6/10
473	1.5.4.1	Requirements	7 days	Wed 6/16/10	Thu 6/24/10
474	1.5.4.1.1	Define Functional Level Requirements	7 days	Wed 6/16/10	Thu 6/24/10
475	1.5.4.1.1.1	Define Functional Level Requirements	2 days	Wed 6/16/10	Thu 6/17/10
476	1.5.4.1.1.2	Functional Requirements Document	5 days	Fri 6/18/10	Thu 6/24/10
477	1.5.4.1.2	The Silencer	1 day	Wed 6/16/10	Wed 6/16/10
478	1.5.4.1.2.1	Define Hardware Requirements	1 day	Wed 6/16/10	Wed 6/16/10
479	1.5.4.1.2.2	Define Software Requirements	1 day	Wed 6/16/10	Wed 6/16/10
480	1.5.4.1.3	Cell Phone	1 day	Wed 6/16/10	Wed 6/16/10
481	1.5.4.1.3.1	Define Hardware Requirements	1 day	Wed 6/16/10	Wed 6/16/10
482	1.5.4.1.3.2	Define Software Requirements	1 day	Wed 6/16/10	Wed 6/16/10
483	1.5.4.1.4	Create Requirements Doc	1 day	Wed 6/16/10	Wed 6/16/10
484	1.5.4.1.4.1	The Silencer Software	1 day	Wed 6/16/10	Wed 6/16/10
485	1.5.4.1.4.2	Cell phone Software	1 day	Wed 6/16/10	Wed 6/16/10
486	1.5.4.2	Software	30 days	Fri 6/25/10	Thu 8/5/10
487	1.5.4.2.1	Software Design	10 days	Fri 6/25/10	Thu 7/8/10
488	1.5.4.2.1.1	The Silencer	10 days	Fri 6/25/10	Thu 7/8/10
489	1.5.4.2.1.1.1	Design GUI Interface	10 days	Fri 6/25/10	Thu 7/8/10
490	1.5.4.2.1.1.2	Design Signal-Sending Algorithm	10 days	Fri 6/25/10	Thu 7/8/10
491	1.5.4.2.1.2	Cell phone	10 days	Fri 6/25/10	Thu 7/8/10
492	1.5.4.2.1.2.1	Design GUI Interface	10 days	Fri 6/25/10	Thu 7/8/10
493	1.5.4.2.1.2.2	Design Signal-Handling Algorithm	10 days	Fri 6/25/10	Thu 7/8/10
494	1.5.4.2.1.2.3	Design Call-Blocking Algorithm	10 days	Fri 6/25/10	Thu 7/8/10
495	1.5.4.2.1.2.4	Specify exception numbers	10 days	Fri 6/25/10	Thu 7/8/10
496	1.5.4.2.2	Software Development	10 days	Fri 7/9/10	Thu 7/22/10
497	1.5.4.2.2.1	The Silencer	10 days	Fri 7/9/10	Thu 7/22/10
498	1.5.4.2.2.1.1	Develop GUI Interface	10 days	Fri 7/9/10	Thu 7/22/10
499	1.5.4.2.2.1.2	Develop Signal-Sending Algorithm	10 days	Fri 7/9/10	Thu 7/22/10
500	1.5.4.2.2.2	Cell phone	10 days	Fri 7/9/10	Thu 7/22/10
501	1.5.4.2.2.2.1	Develop GUI Interface	10 days	Fri 7/9/10	Thu 7/22/10
502	1.5.4.2.2.2.2	Develop Signal-Handling Algorithm	10 days	Fri 7/9/10	Thu 7/22/10
503	1.5.4.2.2.2.3	Develop Call-Blocking Algorithm	10 days	Fri 7/9/10	Thu 7/22/10
504	1.5.4.2.3	Software Testing	10 days	Fri 7/23/10	Thu 8/5/10
505	1.5.4.2.3.1	The Silencer	10 days	Fri 7/23/10	Thu 8/5/10
506	1.5.4.2.3.1.1	Test GUI Interface	10 days	Fri 7/23/10	Thu 8/5/10

ID	WBS	Task Name	Duration	Start	Finish
507	1.5.4.2.3.1.2	Test Signal-Sending Algorithm	10 days	Fri 7/23/10	Thu 8/5/10
508	1.5.4.2.3.2	Cell phone	10 days	Fri 7/23/10	Thu 8/5/10
509	1.5.4.2.3.2.1	Test GUI Interface	10 days	Fri 7/23/10	Thu 8/5/10
510	1.5.4.2.3.2.2	Test Signal-Handling Algorithm	10 days	Fri 7/23/10	Thu 8/5/10
511	1.5.4.2.3.2.3	Test Call-Blocking Algorithm	10 days	Fri 7/23/10	Thu 8/5/10
512	1.5.4.3	User Documentation	30 days	Fri 8/6/10	Thu 9/16/10
513	1.5.4.3.1	Installation Guide	20 days	Fri 8/6/10	Thu 9/2/10
514	1.5.4.3.2	User Manual	30 days	Fri 8/6/10	Thu 9/16/10
515	1.5.4.4	Implementation	14 days	Fri 9/17/10	Wed 10/6/10
516	1.5.4.4.1	Setup Prototype for Demo	2 days	Fri 9/17/10	Mon 9/20/10
517	1.5.4.4.2	Production Readiness Test	12 days	Tue 9/21/10	Wed 10/6/10