		Work Breakdown Structure with Critical Path Items					
D	Task	Task Name	Duration	Start	Finish	Predecessors	
1	=3	1 DELIVERYMEDS	220 days	Tue 1/5/21	Wed 11/17/21		
2	-5						
3	-5	1.1 Design	72 days	Tue 1/5/21	Fri 4/16/21		
4	-5	1.1.1 Project Mgmt.	71.25 days	Tue 1/5/21	Fri 4/16/21		
5	-5	1.1.1.1 Client	71.25 days	Tue 1/5/21	Fri 4/16/21		
6	-5	1.1.1.1 Contract	11 days	Tue 1/5/21	Wed 1/20/21		
7	-5	1.1.1.1.1 Identifying Scope	2 days	Tue 1/5/21	Wed 1/6/21		
8	-5	1.1.1.1.2 Creating Budget	2 days	Thu 1/7/21	Fri 1/8/21	7	
9	-5	1.1.1.1.3 Creating Timeline	2 days	Mon 1/11/21	Tue 1/12/21	8	
10	-5	1.1.1.1.4 Create Indemnification/Liability Clauses	1 day	Wed 1/13/21	Wed 1/13/21	9,39,40	
11	-5	1.1.1.1.5 Finalize Contract	4 days	Thu 1/14/21	Wed 1/20/21	10	
12	-	1.1.1.1.2 Communications	59.25 days	Fri 1/22/21	Fri 4/16/21		
13	-5	1.1.1.2.1 Biweekly Client Meeting	59.25 days	Fri 1/22/21	Fri 4/16/21	11	
21	-5	1.1.1.2 Team	56.25 days	Thu 1/21/21	Mon 4/12/21		
22	-5	1.1.1.2.1 Staff	5 days	Thu 1/21/21	Wed 1/27/21		
23	-5	1.1.1.2.1.1 Select Team	3 days	Thu 1/21/21	Mon 1/25/21	11	
24	-	1.1.1.2.1.2 Team Building Exercises	2 days	Tue 1/26/21	Wed 1/27/21	23	
25	-5	1.1.1.2.2 Communications	49.25 days	Mon 2/1/21	Mon 4/12/21		
37	-5	1.1.1.3 Project	3 days	Thu 1/7/21	Mon 1/11/21		
38	-5	1.1.1.3.1 Risk Assessment	3 days	Thu 1/7/21	Mon 1/11/21		
39	-5	1.1.1.3.1.1 Perform Risk Register	3 days	Thu 1/7/21	Mon 1/11/21	7	
40	-	1.1.1.3.1.2 Establish Contingency Plans	2 days	Thu 1/7/21	Fri 1/8/21	7	
41	-5	1.1.2 Drone Requirements	56 days	Thu 1/28/21	Fri 4/16/21		
42	-5	1.1.2.1 Permitting	3 days	Thu 1/28/21	Mon 2/1/21		
43	-5	1.1.2.1.1 FAA	3 days	Thu 1/28/21	Mon 2/1/21		
44	-5	1.1.2.1.1.1 Regulatory Research	1 day	Thu 1/28/21	Thu 1/28/21	11,24	
45	-	1.1.2.1.1.2 Permitting Documentation	2 days	Thu 1/28/21	Fri 1/29/21	11,24	
46	-5	1.1.2.1.1.3 Meeting with FAA Representatives	1 day	Mon 2/1/21	Mon 2/1/21	44,45	
47	-5	1.1.2.2 Packaging	56 days	Thu 1/28/21	Fri 4/16/21		
48	-5	1.1.2.2.1 Bubble Wrapping	45 days	Thu 1/28/21	Thu 4/1/21		
49	-5	1.1.2.2.1.1 Design Bubble Wrapping System	45 days	Thu 1/28/21	Thu 4/1/21	11,24	
50	-	1.1.2.2.2 Temperature Control	53 days	Thu 1/28/21	Tue 4/13/21		
51	-5	1.1.2.2.2.1 Design Temperature Control System	53 days	Thu 1/28/21	Tue 4/13/21	11,24	
52	-5	1.1.2.2.3 Size and Weight Constraints	3 days	Wed 4/14/21	Fri 4/16/21		
53	-5	1.1.2.2.3.1 Calculate maximum size and weight allowed	3 days	Wed 4/14/21	Fri 4/16/21	49,51	
54	-5	1.1.3 Tech	55 days	Thu 1/28/21	Thu 4/15/21		
55	-5	1.1.3.1 App & Interface	20 days	Thu 1/28/21	Thu 2/25/21		
56	-5	1.1.3.1.1 Design App Features	20 days	Thu 1/28/21	Thu 2/25/21		
57	-5	1.1.3.1.1.1 Customer Order Algorithm	3 days	Thu 1/28/21	Mon 2/1/21	11,24	
58	-5	1.1.3.1.1.2 Customer Preference (Delivery) Algorithm	2 days	Tue 2/2/21	Wed 2/3/21	57	

D	Tack	Task Name	Duration	Start	Finish	Predecessors
D	Mod	rask Name	Duration	Start	FIIIISII	Fredecessors
59	-5	1.1.3.1.1.3 Drone Request Algorithm	2 days	Thu 2/4/21	Fri 2/5/21	58
60	-5	1.1.3.1.1.4 Order Confirmation Algorithm	3 days	Mon 2/8/21	Wed 2/10/21	59
61	-5	1.1.3.1.1.5 Communication with Server Algorithm	10 days	Thu 2/11/21	Thu 2/25/21	60
62	-5	1.1.3.2 Security	45 days	Thu 2/11/21	Thu 4/15/21	
63	-5	1.1.3.2.1 HIPAA	15 days	Fri 2/26/21	Thu 3/18/21	
64	-5	1.1.3.2.1.1 Design Code for Customer Identity Protection	15 days	Fri 2/26/21	Thu 3/18/21	61
65	-5	1.1.3.2.2 Wilmont's Business Information	45 days	Thu 2/11/21	Thu 4/15/21	
66	-5	1.1.3.2.2.1 Design Algorithm for Wilmont's Business Information Protection	15 days	Fri 3/19/21	Thu 4/8/21	64
67	-5	1.1.3.2.2.2 Weekly Meeting with William Scott	45 days	Thu 2/11/21	Thu 4/15/21	11,24
78	-5	1.2 Build	63 days	Mon 4/19/21	Fri 7/16/21	
79	-5	1.2.1 Project Mgmt.	63 days	Mon 4/19/21	Fri 7/16/21	
80	-	1.2.1.1 Client	59 days	Fri 4/23/21	Fri 7/16/21	
81	-5	1.2.1.1.1 Communications	59 days	Fri 4/23/21	Fri 7/16/21	
82	-5	1.2.1.1.1.1 Biweekly Client Meeting	59 days	Fri 4/23/21	Fri 7/16/21	46,53,66
90	-5	1.2.1.2 Team	62 days	Mon 4/19/21	Thu 7/15/21	
91	-5	1.2.1.2.1 Managing Test Staff	0.5 days	Wed 5/5/21	Wed 5/5/21	
92	-	1.2.1.2.1.1 Quarterly Staff Evaluation	0.5 days	Wed 5/5/21	Wed 5/5/21	46,53,66
94	-5	1.2.1.2.2 Quality Assurance	62 days	Mon 4/19/21	Thu 7/15/21	
95	-5	1.2.1.2.2.1 Weekly Cost Analysis Report	59 days	Thu 4/22/21	Thu 7/15/21	46,53,66
109	-5	1.2.1.2.2.2 Weekly Staff Meeting	34.25 days	Mon 4/19/21	Mon 6/7/21	46,53,66
129	-5	1.2.1.2.3 Quality Control	31.13 days	Mon 4/19/21	Wed 6/2/21	
130	-	1.2.1.2.3.1 In-Progress Code Checks	31.13 days	Mon 4/19/21	Wed 6/2/21	46,53,66
148	-5	1.2.2 Drone Prototype	63 days	Mon 4/19/21	Fri 7/16/21	
149	-5	1.2.2.1 Additional Features	63 days	Mon 4/19/21	Fri 7/16/21	
150	-5	1.2.2.1.1 Bubble Wrapping	25 days	Mon 4/19/21	Fri 5/21/21	
151	-5	1.2.2.1.1.1 Manufacture bubble wrapping parts	21 days	Mon 4/19/21	Mon 5/17/21	46,53,66
152	-	1.2.2.1.1.2 Install bubble wrapping parts	4 days	Tue 5/18/21	Fri 5/21/21	151
153	-5	1.2.2.1.2 Temperature Control	34 days	Tue 5/18/21	Tue 7/6/21	
154		1.2.2.1.2.1 Manufacture temperature control parts	30 days	Tue 5/18/21	Tue 6/29/21	151
155	-5	1.2.2.1.2.2 Install temperature control parts	4 days	Wed 6/30/21	Tue 7/6/21	154
156	-5	1.2.2.1.3 Drone Finishes	8 days	Wed 7/7/21	Fri 7/16/21	
157	-5	1.2.2.1.3.1 Painting prototype drones	5 days	Wed 7/7/21	Tue 7/13/21	152,155
158	-5	1.2.2.1.3.2 Applying logos on drones	3 days	Wed 7/14/21	Fri 7/16/21	157
159	-5	1.2.3 App Development	25 days	Mon 4/19/21	Fri 5/21/21	
160	-5	1.2.3.1 Customer Order Coding	5 days	Mon 4/19/21	Fri 4/23/21	46,53,66
161		1.2.3.2 Customer Preference (Delivery) Coding	2 days	Mon 4/26/21	Tue 4/27/21	160
162	-5	1.2.3.3 Drone Request Coding	5 days	Wed 4/28/21	Tue 5/4/21	161
163	-5	1.2.3.4 Order Confirmation Coding	1 day	Wed 5/5/21	Wed 5/5/21	162
164	-5	1.2.3.5 Communication with Server Coding	12 days	Thu 5/6/21	Fri 5/21/21	163
165	-5	1.2.4 Security	19 days	Mon 5/24/21	Fri 6/18/21	

	ask Ta ∕lod	ask Name	Duration	Start	Finish	Predecessors
	vioa:	1.2.4.1 Coding for Customer Identity Protection	10 days	Mon 5/24/21	Mon 6/7/21	164
167	-	1.2.4.2 Coding for Wilmont's Business Information Protection	9 days	Tue 6/8/21	Fri 6/18/21	166
168	45	1.3 Test	59 days	Mon 7/19/21	Fri 10/8/21	
169	5	1.3.1 Project Mgmt.	54.25 days	Mon 7/19/21	Mon 10/4/21	
170	-	1.3.1.1 Client	49.25 days	Fri 7/23/21	Fri 10/1/21	
171	5	1.3.1.1.1 Communications	49.25 days	Fri 7/23/21	Fri 10/1/21	
172	-	1.3.1.1.1 Biweekly Client Meeting	49.25 days	Fri 7/23/21	Fri 10/1/21	158,167
179	-	1.3.1.2 Team	54.25 days	Mon 7/19/21	Mon 10/4/21	
180	5	1.3.1.2.1 Staff	0.5 days	Wed 8/4/21	Wed 8/4/21	
181	5	1.3.1.2.1.1 Quarterly Staff Evaluation	0.5 days	Wed 8/4/21	Wed 8/4/21	158,167
183	-	1.3.1.2.2 Communications	54.25 days	Mon 7/19/21	Mon 10/4/21	
184	4	1.3.1.2.2.1 Weekly Staff Meeting	54.25 days	Mon 7/19/21	Mon 10/4/21	158,167
196	5	1.3.2 Drone Testing	59 days	Mon 7/19/21	Fri 10/8/21	
197	-	1.3.2.1 Flight	49 days	Mon 7/19/21	Fri 9/24/21	
198	-	1.3.2.1.1 Drone Takeoff	15 days	Mon 7/19/21	Fri 8/6/21	
199	5	1.3.2.1.1.1 Test drone takeoff at DroneTech	5 days	Mon 7/19/21	Fri 7/23/21	158,167
200	4	1.3.2.1.1.2 Test drone takeoff in field	10 days	Mon 7/26/21	Fri 8/6/21	199
201	4	1.3.2.1.2 Weather Simulation	15 days	Mon 8/9/21	Fri 8/27/21	
202	4	1.3.2.1.2.1 Simulate rainy & windy flight at DroneTech	10 days	Mon 8/9/21	Fri 8/20/21	200
203	4	1.3.2.1.2.2 Fly drone in field on rainy day	5 days	Mon 8/23/21	Fri 8/27/21	202
204	-	1.3.2.1.3 Geographical Constraints	19 days	Mon 8/30/21	Fri 9/24/21	
205	4	1.3.2.1.3.1 Flight with obstructions at DroneTech	5 days	Mon 8/30/21	Fri 9/3/21	203
206	-	1.3.2.1.3.2 Simulate flight in urban region of Gainesville	14 days	Tue 9/7/21	Fri 9/24/21	205
207	-5	1.3.2.2 Package Delivery	10 days	Mon 9/27/21	Fri 10/8/21	
208	5	1.3.2.2.1 Successful Delivery	5 days	Mon 9/27/21	Fri 10/1/21	
209	5	1.3.2.2.1.1 Test flight at DroneTech, measure dropoff accuracy	5 days	Mon 9/27/21	Fri 10/1/21	206
210	4	1.3.2.2.2 Integrity of Product Delivered	5 days	Mon 10/4/21	Fri 10/8/21	
211	5	1.3.2.2.2.1 Test flight at DroneTech, investigate product integrity	5 days	Mon 10/4/21	Fri 10/8/21	209
212	-	1.3.3 App Testing	45 days	Mon 7/19/21	Mon 9/20/21	
213	-5	1.3.3.1 User Interface	15 days	Mon 7/19/21	Fri 8/6/21	
214	-5	1.3.3.1.1 Ordering	5 days	Mon 7/19/21	Fri 7/23/21	
215	-	1.3.3.1.1.1 Perform test order	5 days	Mon 7/19/21	Fri 7/23/21	158,167
216	5	1.3.3.1.2 Drone Preference	5 days	Mon 7/26/21	Fri 7/30/21	
217	5	1.3.3.1.2.1 Perform test drone opt-in	5 days	Mon 7/26/21	Fri 7/30/21	215
218	5	1.3.3.1.3 Address Approval	3 days	Mon 8/2/21	Wed 8/4/21	
219	5	1.3.3.1.3.1 Perform test address input	3 days	Mon 8/2/21	Wed 8/4/21	217
220	5	1.3.3.1.4 Order Confirmation	2 days	Thu 8/5/21	Fri 8/6/21	
221		1.3.3.1.4.1 Finish test order, receive confirmation	2 days	Thu 8/5/21	Fri 8/6/21	219
222	-5	1.3.3.2 Wilmont's Interface	30 days	Mon 8/9/21	Mon 9/20/21	
223		1.3.3.2.1 Perform test with Wilmont's on order receival	15 days	Mon 8/9/21	Fri 8/27/21	221

Work Breakdown Structure with Critical Path Items						
)	Task Mod	Task Name	Duration	Start	Finish	Predecessors
24	=5	1.3.3.2.2 Perform test with Wilmont's on order transmittal	15 days	Mon 8/30/21	Mon 9/20/21	223
25	-5	1.4 Implement	26 days	Tue 10/12/21	Wed 11/17/21	
26	-5	1.4.1 Project Mgmt.	23.25 days	Tue 10/12/21	Mon 11/15/21	
27	-5	1.4.1.1 Client	22.25 days	Tue 10/12/21	Fri 11/12/21	
28	-5	1.4.1.1.1 Communications	19.25 days	Fri 10/15/21	Fri 11/12/21	
29	-5	1.4.1.1.1 Biweekly Client Meeting	19.25 days	Fri 10/15/21	Fri 11/12/21	211,224
33	-5	1.4.1.1.2 Approval	5 days	Tue 10/12/21	Mon 10/18/21	
34	-5	1.4.1.1.2.1 Obtain approval of App	5 days	Tue 10/12/21	Mon 10/18/21	224,211
35	-5	1.4.1.1.2.2 Obtain approval of Prototype Drones	5 days	Tue 10/12/21	Mon 10/18/21	224,211
36	-5	1.4.1.2 Team	19.25 days	Mon 10/18/21	Mon 11/15/21	
37	-5	1.4.1.2.1 Staff	0.5 days	Wed 11/3/21	Wed 11/3/21	
38	-	1.4.1.2.1.1 Quarterly Staff Evaluation	0.5 days	Wed 11/3/21	Wed 11/3/21	224,211
40	-5	1.4.1.2.2 Communications	19.25 days	Mon 10/18/21	Mon 11/15/21	
41	-5	1.4.1.2.2.1 Weekly Staff Meeting	19.25 days	Mon 10/18/21	Mon 11/15/21	224,211
47	-5	1.4.2 Drone Implementation	14 days	Tue 10/19/21	Fri 11/5/21	
48	-5	1.4.2.1 Pharmacy	14 days	Tue 10/19/21	Fri 11/5/21	
49	-	1.4.2.1.1 Training on drone use	14 days	Tue 10/19/21	Fri 11/5/21	
50	-5	1.4.2.1.1.1 Providing prototypes to pharmacies	2 days	Tue 10/19/21	Wed 10/20/21	235
51	-5	1.4.2.1.1.2 Briefing on drone handling	2 days	Thu 10/21/21	Fri 10/22/21	250
52	-5	1.4.2.1.1.3 Interactive Drone Training	10 days	Mon 10/25/21	Fri 11/5/21	251
53	-5	1.4.2.2 Wilmont's	10 days	Tue 10/19/21	Mon 11/1/21	
54	-	1.4.2.2.1 Provide documentation on operation of drones	1 day	Tue 10/19/21	Tue 10/19/21	235
55	-5	1.4.2.2.2 Interactive virtual workshop on operation of drones	5 days	Thu 10/21/21	Wed 10/27/21	250,254
56	-5	1.4.2.2.3 Providing information on repairs & maintenance	1 day	Thu 10/28/21	Thu 10/28/21	255
57	-5	1.4.2.2.4 Interactive virtual workshops on repair & maintenance	2 days	Fri 10/29/21	Mon 11/1/21	256
58	-	1.4.3 App Implementation	11 days	Tue 11/2/21	Wed 11/17/21	
59	-	1.4.3.1 Pharmacy Staff	6 days	Mon 11/8/21	Tue 11/16/21	
60	-5	1.4.3.1.1 Training Pharmacy Staff on app use	5 days	Mon 11/8/21	Mon 11/15/21	
61	-5	1.4.3.1.1.1 Organizing interactive app training workshops	1 day	Mon 11/8/21	Mon 11/8/21	234,252
62	-5	1.4.3.1.1.2 Training pharmacy staff on information transfer	4 days	Tue 11/9/21	Mon 11/15/21	261
63	-5	1.4.3.1.2 Provide documentation to pharmacy	1 day	Tue 11/16/21	Tue 11/16/21	
64	-	1.4.3.1.2.1 Do's and Dont's	1 day	Tue 11/16/21	Tue 11/16/21	262
65	-5	1.4.3.2 Wilmont's Staff	11 days	Tue 11/2/21	Wed 11/17/21	
	-5	1.4.3.2.1 Training Wilmont's Staff on app use	6 days	Tue 11/2/21	Tue 11/9/21	
67	-5	1.4.3.2.1.1 Providing Wilmont staff with documentation on app operation	1 day	Tue 11/2/21	Tue 11/2/21	257,234
68	-5	1.4.3.2.1.2 Training Wilmont's staff on information transfer to DroneTech	5 days	Wed 11/3/21	Tue 11/9/21	267
69	-	1.4.3.2.2 Making Wilmont's app update available	1 day	Wed 11/17/21	Wed 11/17/21	
	-5	1.4.3.2.2.1 Submitting final app update to App Store/Google Store.	1 day	Wed 11/17/21	Wed 11/17/21	268,264