


















































































## Work Breakdown Structure

ID	Task Modi	Task Name	Predecessors
1		<b>1 DELIVERYMEDS</b>	
2			
3		<b><u>1.1 Design</u></b>	
4		<b>1.1.1 Project Mgmt.</b>	
5		<b>1.1.1.1 Client</b>	
6		<b>1.1.1.1.1 Contract</b>	
7		1.1.1.1.1.1 Identifying Scope	
8		1.1.1.1.1.2 Creating Budget	7
9		1.1.1.1.1.3 Creating Timeline	8
10		1.1.1.1.1.4 Create Indemnification/Liability Clauses	9,39,40
11		1.1.1.1.1.5 Finalize Contract	10
12		<b>1.1.1.1.2 Communications</b>	
13		<b>1.1.1.1.2.1 Biweekly Client Meeting</b>	11
21		<b>1.1.1.2 Team</b>	
22		<b>1.1.1.2.1 Staff</b>	
23		1.1.1.2.1.1 Select Team	11
24		1.1.1.2.1.2 Team Building Exercises	23
25		<b>1.1.1.2.2 Communications</b>	
37		<b>1.1.1.3 Project</b>	
38		<b>1.1.1.3.1 Risk Assessment</b>	
39		1.1.1.3.1.1 Perform Risk Register	7
40		1.1.1.3.1.2 Establish Contingency Plans	7
41		<b>1.1.2 Drone Requirements</b>	
42		<b>1.1.2.1 Permitting</b>	
43		<b>1.1.2.1.1 FAA</b>	
44		1.1.2.1.1.1 Regulatory Research	11,24
45		1.1.2.1.1.2 Permitting Documentation	11,24
46		1.1.2.1.1.3 Meeting with FAA Representatives	44,45
47		<b>1.1.2.2 Packaging</b>	
48		<b>1.1.2.2.1 Bubble Wrapping</b>	
49		1.1.2.2.1.1 Design Bubble Wrapping System	11,24
50		<b>1.1.2.2.2 Temperature Control</b>	
51		1.1.2.2.2.1 Design Temperature Control System	11,24
52		<b>1.1.2.2.3 Size and Weight Constraints</b>	
53		1.1.2.2.3.1 Calculate maximum size and weight allowed	49,51
54		<b>1.1.3 Tech</b>	
55		<b>1.1.3.1 App &amp; Interface</b>	
56		<b>1.1.3.1.1 Design App Features</b>	
57		1.1.3.1.1.1 Customer Order Algorithm	11,24
58		1.1.3.1.1.2 Customer Preference (Delivery) Algorithm	57







































## Work Breakdown Structure

ID	Task Mod	Task Name	Predecessors
59		1.1.3.1.1.3 Drone Request Algorithm	58
60		1.1.3.1.1.4 Order Confirmation Algorithm	59
61		1.1.3.1.1.5 Communication with Server Algorithm	60
62		<b>1.1.3.2 Security</b>	
63		<b>1.1.3.2.1 HIPAA</b>	
64		1.1.3.2.1.1 Design Code for Customer Identity Protection	61
65		<b>1.1.3.2.2 Wilmont's Business Information</b>	
66		1.1.3.2.2.1 Design Algorithm for Wilmont's Business Information Protection	64
67		<b>1.1.3.2.2.2 Weekly Meeting with William Scott</b>	11,24
78		<b>1.2 Build</b>	
79		<b>1.2.1 Project Mgmt.</b>	
80		<b>1.2.1.1 Client</b>	
81		<b>1.2.1.1.1 Communications</b>	
82		<b>1.2.1.1.1.1 Biweekly Client Meeting</b>	46,53,66
90		<b>1.2.1.2 Team</b>	
91		<b>1.2.1.2.1 Managing Test Staff</b>	
92		<b>1.2.1.2.1.1 Quarterly Staff Evaluation</b>	46,53,66
94		<b>1.2.1.2.2 Quality Assurance</b>	
95		<b>1.2.1.2.2.1 Weekly Cost Analysis Report</b>	46,53,66
109		<b>1.2.1.2.2.2 Weekly Staff Meeting</b>	46,53,66
129		<b>1.2.1.2.3 Quality Control</b>	
130		<b>1.2.1.2.3.1 In-Progress Code Checks</b>	46,53,66
148		<b>1.2.2 Drone Prototype</b>	
149		<b>1.2.2.1 Additional Features</b>	
150		<b>1.2.2.1.1 Bubble Wrapping</b>	
151		1.2.2.1.1.1 Manufacture bubble wrapping parts	46,53,66
152		1.2.2.1.1.2 Install bubble wrapping parts	151
153		<b>1.2.2.1.2 Temperature Control</b>	
154		1.2.2.1.2.1 Manufacture temperature control parts	151
155		1.2.2.1.2.2 Install temperature control parts	154
156		<b>1.2.2.1.3 Drone Finishes</b>	
157		1.2.2.1.3.1 Painting prototype drones	152,155
158		1.2.2.1.3.2 Applying logos on drones	157
159		<b>1.2.3 App Development</b>	
160		1.2.3.1 Customer Order Coding	46,53,66
161		1.2.3.2 Customer Preference (Delivery) Coding	160
162		1.2.3.3 Drone Request Coding	161
163		1.2.3.4 Order Confirmation Coding	162
164		1.2.3.5 Communication with Server Coding	163
165		<b>1.2.4 Security</b>	

## Work Breakdown Structure

ID	Task Modi	Task Name	Predecessors
166		1.2.4.1 Coding for Customer Identity Protection	164
167		1.2.4.2 Coding for Wilmont's Business Information Protection	166
168		<b>1.3 Test</b>	
169		<b>1.3.1 Project Mgmt.</b>	
170		<b>1.3.1.1 Client</b>	
171		1.3.1.1.1 Communications	
172		1.3.1.1.1.1 Biweekly Client Meeting	158,167
179		<b>1.3.1.2 Team</b>	
180		1.3.1.2.1 Staff	
181		1.3.1.2.1.1 Quarterly Staff Evaluation	158,167
183		1.3.1.2.2 Communications	
184		1.3.1.2.2.1 Weekly Staff Meeting	158,167
196		<b>1.3.2 Drone Testing</b>	
197		<b>1.3.2.1 Flight</b>	
198		1.3.2.1.1 Drone Takeoff	
199		1.3.2.1.1.1 Test drone takeoff at DroneTech	158,167
200		1.3.2.1.1.2 Test drone takeoff in field	199
201		1.3.2.1.2 Weather Simulation	
202		1.3.2.1.2.1 Simulate rainy & windy flight at DroneTech	200
203		1.3.2.1.2.2 Fly drone in field on rainy day	202
204		1.3.2.1.3 Geographical Constraints	
205		1.3.2.1.3.1 Flight with obstructions at DroneTech	203
206		1.3.2.1.3.2 Simulate flight in urban region of Gainesville	205
207		<b>1.3.2.2 Package Delivery</b>	
208		1.3.2.2.1 Successful Delivery	
209		1.3.2.2.1.1 Test flight at DroneTech, measure dropoff accuracy	206
210		1.3.2.2.2 Integrity of Product Delivered	
211		1.3.2.2.2.1 Test flight at DroneTech, investigate product integrity	209
212		<b>1.3.3 App Testing</b>	
213		<b>1.3.3.1 User Interface</b>	
214		1.3.3.1.1 Ordering	
215		1.3.3.1.1.1 Perform test order	158,167
216		1.3.3.1.2 Drone Preference	
217		1.3.3.1.2.1 Perform test drone opt-in	215
218		1.3.3.1.3 Address Approval	
219		1.3.3.1.3.1 Perform test address input	217
220		1.3.3.1.4 Order Confirmation	
221		1.3.3.1.4.1 Finish test order, receive confirmation	219
222		<b>1.3.3.2 Wilmont's Interface</b>	
223		1.3.3.2.1 Perform test with Wilmont's on order receipt	221

## Work Breakdown Structure

ID	Task Modi	Task Name	Predecessors
224		1.3.3.2.2 Perform test with Wilmont's on order transmittal	223
225		<b>1.4 Implement</b>	
226		<b>1.4.1 Project Mgmt.</b>	
227		<b>1.4.1.1 Client</b>	
228		<b>1.4.1.1.1 Communications</b>	
229		<b>1.4.1.1.1.1 Biweekly Client Meeting</b>	211,224
233		<b>1.4.1.1.2 Approval</b>	
234		1.4.1.1.2.1 Obtain approval of App	224,211
235		1.4.1.1.2.2 Obtain approval of Prototype Drones	224,211
236		<b>1.4.1.2 Team</b>	
237		<b>1.4.1.2.1 Staff</b>	
238		<b>1.4.1.2.1.1 Quarterly Staff Evaluation</b>	224,211
240		<b>1.4.1.2.2 Communications</b>	
241		<b>1.4.1.2.2.1 Weekly Staff Meeting</b>	224,211
247		<b>1.4.2 Drone Implementation</b>	
248		<b>1.4.2.1 Pharmacy</b>	
249		<b>1.4.2.1.1 Training on drone use</b>	
250		1.4.2.1.1.1 Providing prototypes to pharmacies	235
251		1.4.2.1.1.2 Briefing on drone handling	250
252		1.4.2.1.1.3 Interactive Drone Training	251
253		<b>1.4.2.2 Wilmont's</b>	
254		1.4.2.2.1 Provide documentation on operation of drones	235
255		1.4.2.2.2 Interactive virtual workshop on operation of drones	250,254
256		1.4.2.2.3 Providing information on repairs & maintenance	255
257		1.4.2.2.4 Interactive virtual workshops on repair & maintenance	256
258		<b>1.4.3 App Implementation</b>	
259		<b>1.4.3.1 Pharmacy Staff</b>	
260		<b>1.4.3.1.1 Training Pharmacy Staff on app use</b>	
261		1.4.3.1.1.1 Organizing interactive app training workshops	234,252
262		1.4.3.1.1.2 Training pharmacy staff on information transfer	261
263		<b>1.4.3.1.2 Provide documentation to pharmacy</b>	
264		1.4.3.1.2.1 Do's and Dont's	262
265		<b>1.4.3.2 Wilmont's Staff</b>	
266		<b>1.4.3.2.1 Training Wilmont's Staff on app use</b>	
267		1.4.3.2.1.1 Providing Wilmont staff with documentation on app operation	257,234
268		1.4.3.2.1.2 Training Wilmont's staff on information transfer to DroneTech	267
269		<b>1.4.3.2.2 Making Wilmont's app update available</b>	
270		1.4.3.2.2.1 Submitting final app update to App Store/Google Store.	268,264