Criterion B: Record of tasks

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Discussion with my advisor/client	Established success criteria, GUI, input/output, Pre conditions, and post conditions.	30 min	4/6/19	A
2	Discussion with my Comp sci Teacher	IA approved by teacher	15 mins	4/23/19	A
3	Construct success criteria, rational, and scenario	A completed success criteria, rational, and scenario	1.5 hr	4/24/19	A
4	Planning my how my overall program will work	An Overall flowchart for program	30 mins	6/16/19	B
5	UML: Outline all of the classes in the program	UML Diagram showing all the classes, their purposes and relations.	8 hrs	7/10/19	B
7	Create blueprints for how GUI will look (graphical visualization)	Representation of my project's GUI	1 hr	7/13/19	B
8	Solving the funnel computations	Solved math processes to be used in key algorithm	3 hrs	7/16/19	B
9	Blueprint of primary algorithm (the main funnel classes)	Pseudocode and flowcharts of key algorithms	6 hrs	7/20/19	B
10	Database Planning	A completed plan of my database	2 hrs	7/21/19	B
11	Construct test plan	A completed test plan	2 hrs	7/22/19	B
12	Refine GUI	A complete version	2 hrs	7/23/19	B

	Visualization	of my graphical visualization			
13	Plan DEV Stage 1: Implement GUI	Analyze GUI visualization	30 mins	7/24/19	C
14	Implement welcome class and shape select class	Write code for welcome and shape selecting classes	2 hrs	7/25/19	C
15	Implement the input class (and the nonfunctional settings class)	Write code for the input class	2 hrs	7/26/19	C
16	Make sure input class and shape select are able to pass their inputs on to other classes,	First 3 GUI classes are now functional	15 mins	7/27/19	C
17	Plan DEV Stage 2: Implement primary algorithms (the ones that calculate the output)	Analyze key algorithm flowcharts and pseudocode	30 mins	7/28/19	C
18	Declare classes and their main attributes/ methods	3 computational classes and their main attributes/ methods	2 hrs	7/29/19	C
19	Write vertices calculation algorithm	A function that finds all the vertices of a funnel	8 hrs	8/5/19	C
20	Write faces calculation algorithm and script generator (settings are hardcoded for now)	Functions that generate a script that contains all faces and can be put into Autocad	8 hrs	8/9/19	C
21	Algorithm Testing: Testing Script, Faces, and Vertices based	A proofread, functional, script. The script will generate a 3d model	3 hrs	8/10/19	C

	off Test Plan	will the correct faces and vertices.			
22	Amendment: Implement capping and double layering	Funnels are solid with capping and layering	4 hrs	8/12/19	C
22	3D printing my Model	A 3D printed version of my model verifies that the main algorithm is completely functional	40 min (to set up)	8/14/19	C
23	Completely normalize database	A full, normalized, and updated representation of my program's database	2 hrs	8/25/19	B
24	DEV Stage 3: Implement the database	Analyze database planning	30 mins	8/26/19	C
25	Create JavaDb and DbInstall classes	Completed 2 classes of database functionality	2 hrs	8/27/19	C
26	Create dbClient's funnel manager: view, insert, delete	dbClient can view, insert, and delete funnels and their inputs	3 hrs	8/29/19	C
27	Create dbClient's setting manager	dbClient can add settings and view settings, settings class is now functional	3 hrs	9/1/19	C
28	Database Testing: verify funnels can be inserted, deleted and viewed.	A tested funnel managing database	2 hrs	9/2/19	C
29	Database Testing: verify settings table is functional by generating a script with user added settings	A tested settings managing table	2 hrs	9/3/19	C

30	Construct GUI and script generation for HELP Class	A fully functional help class and GUI	2 hrs	9/15/19	C
31	Help Script Testing: verify with client that help scripts are complete	Verified help script generator	30 mins	9/16/19	C
32	Testing: Robustness	Make sure the program is robust	3 hrs	9/20/19	C
33	Write up and explanation of code	A write up of how code works	3 hrs	10/28/19	C
34	Create annotations for complex code and list of sources	A list of code annotations and sources	2 hrs	10/1/19	C
35	Plan and record video showing ability to complete criteria	A video that will show outputs, ability to complete criteria, and will show the program is robust	6 hrs	10/5/19	D
36	Show success criteria, show that client liked product, suggest feasible ideas	An evaluation of the final product	3 hrs	10/10/19	E