

Record of Tasks

Task Number	Planned Action	Planned outcome	Time estimated	Target completion date	Criterion
1	I was introduced to the Computer Science IA by my teacher	Got a first idea of what the assignment is about	45 minutes	02/05/2019	A
2	Mr. Christos came up as a client, since he wanted a programming solution to enhance his lesson, and we had our first interview	Understood my client's problem and needs	45 minutes	14/05/2019	A
3	Explored alternative ways to solve my client's problem and ended up with a reasonable proposed solution	Decided to use java for the implementation	2 hours	17/05/2019	A
4	Put my client's problem and my proposed solution into writing	Checked that my solution was indeed suitable to solve my client's problem	45 minutes	17/05/2019	A
5	Defined the criteria of success	Got a very clear idea of what my endgoals were	30 minutes	19/05/2019	A
6	Discussed completed planning form with my Computer Science teacher	Made sure that everything was in order and that I was ready to start the design process	15 minutes	20/05/2019	A
7	Created the use cases	Defined exactly how the system would interact with its users	15 minutes	22/06/2019	B
8	Drew the first visualizations	Had a ready prototype to discuss with my client	20 minutes	23/06/2019	B
9	Created data types table	Explored my options as to	10 minutes	23/06/2019	B

		which data types I should use			
10	Held second interview with client to present the visualizations to him	Ensured that the final program's GUI would satisfy my client	30 minutes	24/06/2019	B
11	Redrafted those visualizations that needed to be changed	Ended up with a clear image of how the final program should look like	10 minutes	24/06/2019	B
12	Created flowcharts putting emphasis on what each menu would display	Assured that the flow of the final program would be logical	2 hours	17/07/2019	B
13	Created system flowcharts	Determined how the program would interact with hardware and send and store data	30 minutes	18/07/2019	B
14	Wrote pseudocode of complex algorithms	Created very clear algorithms to implement later on	1 hour	19/07/2019	B
15	Created class responsibilities	Decided how many classes I would be using and what they would be responsible for	20 minutes	26/07/2019	B
16	Created class connections diagram	Determined the relationship between the classes	10 minutes	26/07/2019	B
17	Created UML diagrams	I would have a stepping stone to start implementing the program when the time came	20 minutes	01/08/2019	B
18	Created testing strategy	To be sure in the end that my program succeeded in all criteria set	30 minutes	25/08/2019	B
19	Drafted full design document	Concluded a process that gave me serious	2 hours	27/08/2019	B

		insight on how the program should be implemented			
20	Followed tutorials and got familiar with the javafx library	Learnt how to create user-friendly GUIs	15 hours	09/11/2019	C
21	Wrote the code for the class Student	These were main components of the program that could be implemented right away	10 minutes	10/11/2019	C
22	Wrote the code for the class Class		10 minutes	10/11/2019	C
23	Wrote the code for the class Validate		10 minutes	10/11/2019	C
24	Wrote the code for the Main class' initial window	Got welcome page ready	1 hour	12/11/2019	C
25	Wrote the code for all submenus following the click of the button "Classes"	Allowed the user to see, edit, add and remove classes and students	5 hours	10/01/2020	C
26	Got familiar with the mXparser library	Acquired the expertise to input user-defined functions and manipulate them	10 hours	12/01/2020	C
27	Wrote the code to input functions from the user and created RangedFunction class	User would now be able to enter functions that my program could manipulate	1 hour	17/01/2020	C
28	Wrote the code to draw graphs from given functions and calculate data about them based on the pseudocode that I had written	Main purpose of the program was completed	1 hour	18/01/2020	C
29	Added functionality to the Email button in the initial window	The user would be able to send any file as an email attachment to his students	30 minutes	19/01/2020	C
30	Created development document	Showcased all the programming techniques I had used during the	10 hours	25/01/2020	C

		development of the program			
31	Held third interview with client to check against the success criteria together	Ensured that the product was ready to be delivered	30 minutes	05/2/2020	E
32	Created evaluation document	Recorded how the assignment was finalized and proposed possible future additions	2 hours	06/02/2020	E
33	Did the video recording	Illustrated how all success criteria had been satisfied	3 hours	20/03/2020	D