**Record of Tasks**

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| **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 which data types I should use | 10 minutes | 23/06/2019 | B |
| 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 insight on how the program should be implemented | 2 hours | 27/08/2019 | B |
| 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 development of the program | 10 hours | 25/01/2020 | C |
| 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 |