Criterion B

Record of Tasks

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| **Task Number** | **Planned action** | **Planned outcome** | **Time estimated** | **Target completion date** | **Criterion** |
| 1 | Introduced to the IA by computer science supervisor. | Understand the IA requirements by reading through the documentation provided by the IB. | 2h | 3/04/2023 | A |
| 2 | Come up with potential topics for the IA. | Decided on the topic that the IA will be about. | 1h 30m | 10/04/2023 | A |
| 3 | Discuss with my father, the client, about the solution to his problem. | Understand why my client, my father, needs the program I will create and what problem I will be solving. | 30m | 18/06/2023 | A |
| 4 | First interview with the client. | Discuss the main idea behind the program and what my father expects it to be able to perform. | 45m | 20/06/2023 | A |
| 5 | Request permission to pursue this idea from my computer science supervisor. | Get the idea approved and begin working on it. | 10m | 20/06/2023 | A |
| 6 | Fulfilling Criterion A by writing the document. | Planning the program to satisfy the requirements of the IB, creating success criteria and everything else required. | 2h | 2/07/2023 | A |
| 7 | Create mockups of the program interface. | Create a mockup of how the program will look and feel and request feedback on it. | 1d | 4/07/2023 | B |
| 8 | Interview with client to get feedback on the interface changes. | Get feedback on the currently designed interface and make any changes if necessary. | 25m | 6/07/2023 | B |
| 9 | Create final mockups of the prototype design interfaces. | Finalize the mockups for the interfaces based on the client’s feedback. | 2h | 7/07/2023 | B |
| 10 | Create use cases chart. | Create a diagram showing all the potential use cases for the client based on the success criteria. | 15m | 7/07/2023 | B |
| 11 | Create flowchart diagrams as well as initial flowchart. | Illustrate the flow of a user when using the program. | 3h 30m | 8/07/2023 | B |
| 12 | Illustrate a versioning diagram. | Create a diagram to show the planned progress for the program. | 20m | 8/07/2023 | B |
| 13 | Create a table discussing the data types used. | Show the different variables I plan to use in the development of the program. | 30m | 8/07/2023 | B |
| 14 | Creation of UML diagrams. | Create diagrams to represent all the proposed classes in the program and the functionality (methods) of each. | 1h | 9/07/2023 | B |
| 15 | Develop a hierarchal chart. | Create a chart to illustrate the proposed program’s windows and how the interface will be linked together. | 5m | 9/07/2023 | B |
| 16 | Draw a connection chart. | Illustrate a chart showing the different classes I plan to have in the program and the relationships between them. | 20m | 9/07/2023 | B |
| 17 | Create multiple data flow diagrams. | Create diagrams illustrating the flow of data through the program in certain scenarios. | 1h | 10/07/2023 | B |
| 18 | Create testing plan table. | Write out a table listing all the success criteria and tests for each one with a method and expected outcome so that I can know if the program does what it is supposed to do. | 2h 30m | 10/07/2023 | B |
| 19 | Write and design the document for Criterion B. | Add all the tables and figures to a document for Criterion B. | 6h | 12/07/2023 | B |
| 20 | Create the “User” class. | Implement a basic model for the user. | 30m | 15/07/2023 | C |
| 21 | Create the “CompanyList” and “Company” classes. | Implement the linked list functionality of companies, having them handled by the “CompanyList” class. Also, basic attributes are added and created. | 2h | 15/07/2023 | C |
| 22 | Create the “Statistic” and “Data” classes. | Create classes representing statistics and add an ArrayList of that class to the “Company” class, representing how each company has multiple statistics. Also use the “Data” class for data point representation for statistics. | 2h | 16/07/2023 | C |
| 23 | Create the basic “Authentication” class. | Implement a class that holds a “User” object as the currently authenticated user. | 30m | 16/07/2023 | C |
| 24 | Develop the features for authentication. | Implement methods for logging in and signing up as well as storage in DAT file for userbase. | 2h | 17/07/2023 | C |
| 25 | Create storage of individual user file and companies associated. | Implement the loading functionality and saving for companies from the user file as well as the adding and removing of them. | 2h | 19/07/2023 | C |
|  | Write criterion C |  |  |  |  |
|  | Testing of indivial models |  |  |  | C |
|  | Integration testing |  |  |  | E |
|  | Gave program to client to test |  |  |  | E |
|  | Final interview with the cliebnt |  |  |  | E |
|  | Write evaluation document |  |  |  | E |
|  | Recorded video |  |  |  | D |
|  | Internal Assesmsnet handed over |  |  |  | A, B, C, D, E |