**Digital Library management**

**Criteria B – Record of Task**

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| Task  number | Planned Action | Planned outcome | Time estimated (Days) | Target completion date | Criterion |
| 1 | Initial discussion with my computer science teacher | My project is to develop a digital library management system | 5 | 15th April 2021 | A |
| 2 | First interview with my client | Got insights on how the solution should works | 1 | 20th April 2021 | A |
| 3 | The second interview with my client | Got to know the problems faced and what is expected from me | 1 | 30th April 2021 | A |
| 4 | Writing the problem | Mentioning what the problem is and setting the background context | 2 | 10th May  2021 | A |
| 5 | Writing the rationale for the solution | Stating why the solution is being built using a specific way | 3 | 20th May 2021 | A |
| 6 | Writing the Success criteria | Set the focus and plan for the product | 3 | 29th May  2021 | A |
| 7 | Plans showed and discussed with the CS Teacher | Received feedback for any further modification and changes | 4 | 5th June 2021 | A |
| 8 | Designed a prototype of the solution and shown to the CS teacher | Got an idea as to how the solution will look and received feedback on possible changes | 3 | 25th June 2021 | B |
| 9 | Designing the modular designs of the product and layout of each page | Got an idea of how the solution will overall connect with a modular design of how each form/page will look like in the product | 6 | 15th July 2021 | B |
| 10 | Designing the system flowchart | Depict how the data flows into the product and how the control event decisions are made | 5 | 17th July 2021 | B |
| 11 | Designing the Entity relation diagram | Depict the interrelated relations between different tables and how they are interrelated with a different type of relation | 7 | 20th July  2021 | B |
| 12 | Designing Database tables | Get an idea as to what all fields are there in each table and what are the properties of each field and | 6 | 22nd July  2021 | B |
| 13 | Writing the algorithms used | Writing the pseudocode to depict the code of the algorithms used | 5 | 25th July  2021 | B |
| 14 | Designing the UML | Depicting the UML with class, objects, variables and relation between the classes | 3 | 27th July  2021 | B |
| 15 | Test Plan | Mentioning the parts of the program which are tested | 3 | 30th July 2021 | B |
| 16 | Record of tasks | Planning the dates of competition of each task in each criterion with the expected time taken to complete the task | 2 | 2nd August 2021 | B |
| 17 | Researching techniques | Becoming aware of different Java techniques and external libraries which can be used with the product | 2 | 5th August 2021 | C |
| 18 | Developing the GUI of the product | Designing how the GUI panels will look like for each component of the program | 4 | 10th August 2021 | C |
| 19 | Wrote the code for GUI functioning | Coding the functionality of the GUI | 11 | 23rd August 2021 | C |
| 20 | Wrote the code for connection to the database with queries to make the database function along with the GUI code | Building a connection with the database and writing queries and codes related to the database | 5 | 29th August 2021 | C |
| 21 | Received feedback on the development of the solution | Got feedback on what all improvisations can be done | 2 | 2nd September 2021 | C |
| 22 | Documenting the techniques used | Got an insight into all the techniques and complexity of the product | 6 | 10th September 2021 | C |
| 23 | Writing the script for the video | Getting an idea of how the video will | 6 | 20th September 2021 | D |
| 24 | Video recording the functionality of the product | Recording the functionality of the product | 10 | 10th October 2021 | D |
| 25 | The proposed solution was shown to the client while being implemented for a feedback Interview | Got an insight on the comparison from the older system | 2 | 20th October 2021 | E |
| 26 | Evaluation Interview of the client | Get the clients viewpoint if the success criteria have been met or not and the future improvement suggestions | 2 | 1st November 2021 | E |
| 27 | Evaluating the product for the success criteria | Got to know if I was able to meet my initial success criteria or not and the expectation | 3 | 10th November 2021 | E |
| 28 | Proposing the future improvements in the product | Mentioning the features which can be improvised | 2 | 14th November 2021 | E |