**CRITERION B: RECORD OF TASKS**

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|  | Candidate: | | | | |
| **Task number** | **Planned action** | **Planned outcome** | **Time estimate** | **Target completion date** | **Criterion** |
| 1 | Thinking about possible options for my IA. | Talking with friends and family and finding a problem that I could solve for my IA. | 5 days. |  | A |
| 2 | Ask computer science teacher if the project would work. | My computer science teacher approves the idea. | 3 days. |  | A |
| 3 | Meet with Mr. xx and discuss what the project. | The problem is clearly stated and any additional features Mr. xx wants are included. | 5 days. |  | A |
| 4 | Make sure that I know how to create all of the features Mr. xx wants. | I have a plan on how to make the structure and the components of the project and that I have decided that Java is the best solution for this. | 1 week. |  | A |
| 5 | Define the success criteria and double check with Mr. xx that these are what he wants. | The client agrees that the success criteria is acceptable. | 5 days. |  | A |
| 6 | Ask my computer science teacher if my proposed solution is acceptable. | My teacher says that the solution is acceptable. | 3 days. |  | A |
| 7 | Learn more about the best ways to make a Java GUI and how to use the required APIs in Java. | I know how to make GUI's in Java efficiently and I know how the APIs work. | 2 weeks. |  | A |
| 8 | Think about the design of the project. | I have a clear idea of how the project should be designed and I can start making UML diagrams/Flowcharts. |  |  | B |
| 9 | Begin work on making the UML diagrams that show class relationships. | The UML diagrams are all done and shows how the classes interact. | 3 days. |  | B |
| 10 | Draw flow charts to visualize how the program will work. | The flow charts are drawn and show the program process. | 3 days. |  | B |
| 11 | Draw the GUI and agree with Mr. xx that it works. | Mr. xx agrees that the GUI is good. | 3 days. |  | B |
| 12 | Start writing the source code. | Get all the basic windows loading with the GUI elements. Windows show/hide when buttons are clicked. | 1 week. |  | C |
| 13 | Make it so the APIs work and return the correct data and the user can interact with the data. | The API data shows up correctly depending on user input. | 1 week. |  | C |
| 14 | While making the code ensure that adding a new component doesn’t break an existing component. | Making sure that there are no errors commonly and writing comments to explain the code reduces the chances of bugs. | 5 weeks. |  | C |
| 15 | Develop the rest of the code and make sure that there are no bugs through rigorous testing. | The rest of the code is finished and there are no bugs that I’m aware of. | 5 weeks. |  | C |
| 16 | Test the finished project. | The project works and is ready to be shown to Mr. xx for feedback. | 1 week. |  | D |
| 17 | Meet with Mr. xx. | Mr. xx gives me feedback and I implement the feedback. | 1 week. |  | E |
| 18 | Improvement ideas written down. | Make written feedback about how the project could be improved in the future. | 5 days. |  | E |
| 19 | A video that demonstrates how the project works is created. | The video accurately shows how the project works. | 2 days. |  | D |
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