Criterion C: Project schedule

Date	Action	Details	Comments and Follow Up	Date Completed	Criterion
February 2021	Initial Discussion with Teacher	The teacher introduced the Internal Assessment to the class and explained what it was and the process we would undergo to complete it.	I began thinking of potential clients I could reach out to for the Internal Assessment.	February 9, 2021	A
February 2021	Brainstorm 3 Possible Clients	After initial brainstorming, I selected three possible clients out of all my ideas to narrow my selection	I eventually decided on pursuing the issue that Keith had because I felt that an IT solution would be perfect to solve it. I selected him as my client.	February 12, 2021	A
April 2021	Interview with Client	I interviewed Keith to figure out more about his current situation and the problems he was experiencing.	I learned that he receives various data points in the form of spreadsheets and he needs to be able to calculate the sums of data values based on particular categories.	April 20, 2021	A
April 2021	Writing of Transcript	Using a recording of our conversation, I typed out a transcript of the interview I had with Keith.	Listening back and reading what Keith has said, he mentioned wanting a program that could perform the tasks he needs. I think this is a viable option to solve the problem.	April 21, 2021	A
April 2021	Complete Initial Investigation	I summarized what Keith's problem was and examined the inadequacies of his current situation.	I determined that the main inadequacies of the methods he has tried are that they are too time-consuming for his occupation.	April 21, 2021	A
April 2021	Complete Requirement Specification	I detailed what would be necessary requirements for the IT solution to have.	After careful consideration and conversation with the client, I determined that the most appropriate IT solution to solve Keith's problem would be a program with CSV file reading capabilities.	April 22, 2021	B
April 2021	Complete Specific Performance Criteria	I wrote down specific performance criteria that could be tested in the future to assess both if the program is working as intended and if it	I asked Keith to make sure these criteria would be able to evaluate the success of the program effectively and he said yes they would.	April 22, 2021	B

		actually solved Keith's problem.			
April 2021	Complete Justification of Chosen Solution	I wrote out the justification for why a program with CSV file reading capabilities would be the most effective solution to my client's problem.	A computer program with CSV file reading capabilities is able to sort the data into categories in the shortest amount of time compared to other methods.	April 23, 2021	B
April 2021	Revise Criterion B based on teacher feedback	After receiving feedback on my specific performance criteria, I altered one of them.	I decided that it was too vague and would not be easily measurable.	April 27, 2021	B
May 2021	Sketch rough diagrams of solution program	I sketched a flow chart and a diagram of the graphical interface for the solution program.	I decided that these rough drafts were too messy to be used in the final Criterion D, so I determined I would need to make the final ones later.	May 9, 2021	D
May 2021	Complete List of resources and techniques and test plan	I determined what resources I would need in order to make the solution program. I also detailed the techniques I would employ by creating it. Lastly, I used the specific performance criteria to make a test plan	The main resources I will need are to learn how to code in C#.	May 10, 2021	D
May 2021	Draw final diagrams of solution program	I used the rough diagrams I had created and re-drew them on graph paper in a much more careful manner.	I then added them to Criterion D by replacing the rough diagrams I had put in place.	May 11, 2021	D
May 2021	Reach out to the client to receive approval of the solution plan	I sent Keith an email containing the solution plan I currently had and asked him if he approved of it.	He responded by saying that the plan looked great. He then signed off on it by sending me his signature.	May 12, 2021	D
May 2021	Create Project Schedule	I took the log I had so far and converted it into the format for Criterion C. I also wrote out the rest of my planned timeline for completing the solution program.	I determined I would need to utilize online resources to add to the previous knowledge I had in C# programming to allow me to create a program that could extract data from an external file.	May 13, 2021	C
October 2021	Add and edit form elements	I added all of the form elements and edited them to the appropriate	I inserted all the buttons and decided to make them all be disabled and	October 18, 2021	E

		properties for the Apportionment Calculator.	enabled in a series of steps so the client could follow them. I also inserted list boxes and radio buttons to restrict the selection choices to the most appropriate selection type for each. I realized that the graphs inserted would have to be changed programmatically when data was taken from the files.		
October 2021	Program file array builder	I coded the Open File Dialog, CSV file filter, and the file array loop.	I had initially wanted to just import the files in their excel format but after testing, I decided that the CSV file format was way easier for the program to understand.	October 25, 2021	E
November 2021	Program the state class	I created a new class and added all the data elements that need to be stored for each state in the data.	After researching, creating a class to store the state data was way easier to keep track of than defining a ton of individual variables. I had to just research the syntax for calling the class data.	November 12, 2021	E
November 2021	Create apportionment calculator	I programmed the apportionment calculator and the Next and Back buttons.	I will definitely have to test the mathematical formulas within the apportionment calculator to ensure that the specific performance criteria can be met. I need Keith's to receive the correct output.	November 13, 2021	E
November 2021	Program bar graph	I created the bar graph element and the code needed to manipulate it	The bar graph did not require must external research because the syntax required to add data was relatively straightforward.	November 14, 2021	E
November 2021	Program spreadsheet	I created the spreadsheet and the code needed to manipulate it. I also programmed the restart and exit buttons.	The spreadsheet did require lots of external research because data could not be edited. Due to this, I had to define arrays and use the CopyTo function to continue to add new elements. After populating the arrays I had to add them as rows programmatically to the	November 15, 2021	E

			spreadsheet.		
November 2021	Alter the program to multiple file form	After ensuring the program functioned with one file, I went back and created looping functions to enable multiple file aggregation to be supported within the program.	Most code was able to remain the same, loops just had to be implemented so that the program would execute the bodies of code for all files. I also had to make total sums of each category because the apportionment equations needed total sums of each category from all the data files.	November 18, 2021	E
November 2021	Explain the non-basic techniques used	I elaborated on the four non-basic techniques I utilized in the development of the solution program and explained their significance.	The non-basic techniques employed were related to the complex coding I had to perform to create the program.	November 19, 2021	E
November 2021	Explain the structure of the program	I explained how the solution program is structured and how it actually works by annotating the code behind it and summarizing how it functions.	The program was structured with the idea of time efficiency in mind, so the graphical elements ended up being not incredibly detailed. Additionally, this helped the client to not get confused when using it.	November 19, 2021	E
November 2021	Justify techniques used with screenshots	I took screenshots of the code I programmed and added them to Criterion E.	The screenshots were taken in Visual Studio.	November 19, 2021	E
November 2021	Finish program and tested it using test plan	I tested the program utilizing the test plan I had written. I tested each aspect to ensure the specific performance criteria were met.	All the specific performance criteria were met during testing. I will have to interview Keith after he has used the program to ensure he believes the program meets the specific criteria as well.	November 21, 2021	D
November 2021	Record screencast	I rehearsed and eventually recorded my screencast for the program.	The resolution of some parts of the screencast is a bit blurry, so I will have to revisit this to fix the issue.	November 22, 2021	G
November 2021	Edit screencast	After recording all my segments, I edited them together to create a cohesive and seamless screencast.	The quality of the screencast might be a future issue. I will need to determine a more effective way of capturing	November 23, 2021	G

			my product in action.		
November 2021	I give my client a flash drive with the apportionment calculator program	I set up a time with Keith to hand him the flash drive containing the program. I helped him with an introduction on how the program can be used and I answered any questions he had about its operations.	I followed up with Keith in emails to answer any further questions he had. I also checked in with him every couple of weeks to see how the program was doing.	November 26, 2021	F
February 2022	Prepare questionnaire for client evaluation interview	I wrote down questions that were important for Keith to answer that would determine the success of the program I made for him.	I set up a date and time for Keith and I to sit down and conduct a verbal interview for his feedback on the product.	February 10, 2022	F
February 2022	Conduct client evaluation interview	I sat down with Keith. I started a vocal recording and began to ask him the questions on the questionnaire I had prepared.	Keith indicated that the product has been a success to him. I will continue to be in touch with him in case any issues arise or I can help in any way.	February 12, 2022	F
February 2022	Complete evaluation of specific performance criteria and recommendations for future development.	I took the answers I received from the interview I conducted with Keith by listening to the recording again. I then evaluated the extent to which each performance criteria was met based on his responses.	The specific performance criteria were pretty effectively achieved. There were some minor improvements that could be made but overall the product is functioning as intended.	February 14, 2022	F
March 2022	I revise my screencast and write a script	I wrote out a script for my new screencast. I ensured that all content I needed to include was present.	Having a script ensured that I could fit all crucial content into the screencast and save as much time as possible to reduce the length of the screencast.	March 8, 2022	G
March 2022	I record my new screencast segments and edited them all together	I recorded myself reading the script. After saving that audio file, I went back and listened to the recording and then recorded my screen, performing the actions and highlighting code segments as I commentated. I then edited the audio and video clips together to make a seamless screencast.	This new screencast is much more effective. The resolution and zooming I put in place ensures that the viewer can see what is happening and the lines of code I programmed.	March 9, 2022	G

March 2022	Check all Criterions for grammar and formatting issues and double-check word count.	I read back through all my criteria to double-check for any grammatical or content errors within my criteria. I also calculated all word count sections again to update them.	All my word counts are updated and my criteria have been completed.	March 9, 2022	All
March 2022	Final updates to Project Schedule	I updated the project schedule to finalize and format it.	The program was a success and I have helped my client solve their problem with an IT solution.	March 10, 2022	C