

Criteria B: Record of Task

| Task Number | Planned Action | Planned Outcome | Time Estimate | Target Completion Date | Criterion |
|--------------------|--|--|----------------------|-------------------------------|------------------|
| Plan | | | | | |
| 1 | Meet with client | The client gives information on her scenario and problem | 2 hours | April 9th, 2020 | A |
| 2 | Research into databases | Get a possible use of databases to help solve the client's problem | 2 hours | April 9th, 2020 | A |
| 3 | Meet with the client again about using databases as a solution | Decide on the details of the program | 2 hours | April 9th, 2020 | A |
| 4 | Check success criteria with the client | Have defined success criteria to base the project on and use for testing | 30 minutes | April 16th, 2020 | A |
| Design | | | | | |
| 5 | Design the system | Create a system flowchart | 1 hour | April 17th, 2020 | B |
| 6 | Design the database | Create an ERD and a Relational Map | 1 hour | April 18th, 2020 | B |
| 7 | Design the graphical user interface | Create drawings of a possible GUI for the program | 1 hour | April 19th, 2020 | B |
| 8 | Design the algorithm | Create a flowchart outlining the program | 1 hour | April 20th, 2020 | B |
| Develop | | | | | |
| 9 | Write the DDL for the database | Have a finished database to start coding | 2 hours | June 7th, 2020 | C |

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|-------------|--|--|----------|-----------------|------|
| 10 | Write code for the main menu | Have a functioning GUI written to start working on the algorithm | 2 hours | June 8th, 2020 | C |
| 11 | Write code for the SQL report (top 10 teachers) | Have a functional report format be shown when the button is clicked | 2 hours | June 25th, 2020 | C |
| 12 | Write the code for the remaining buttons (Add house, exit and reset) | Have a rough draft of the program | 2 hours | June 30th, 2020 | C |
| 13 | Show the client the rough draft of the program | Get feedback on fixes to the program | 2 hours | July 2nd, 2020 | C |
| 14 | Modify program based on the client's feedback | Finalize the program | 2 hours | July 21st, 2020 | C |
| Test | | | | | |
| 15 | Input values into the database | Get data to test the program | 1 hour | July 23rd | C |
| 16 | Click the reset house points button | A window pops up asking if you are sure (yes and no buttons). Yes will delete the data in the database, and no will close the window. | 1 minute | July 24th, 2020 | C, D |
| 17 | Click the view report button | A window pops up asking which report. The top 10 teachers button gives a message box with the report of the top 10 teachers. The house points button will give a | 1 minute | July 24th, 2020 | C, D |

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|------------------|---|---|-----------|-------------------|------|
| | | message box with a report of the total house points. | | | |
| 18 | Click the add house button | A new window with an entry box and submit button pops up and lets you input a new house. Once submitted, check with the database to see if a new house is made. | 1 minute | July 24th, 2020 | C, D |
| 19 | Click the exit button | Exits the program, closing all windows | 1 minute | July 24th, 2020 | C, D |
| Implement | | | | | |
| 20 | Install the program In the client's device | The client has the program so they can view the database once installed | 5 minutes | August 11th, 2020 | E |
| 21 | Install the database onto the client's device | The client can view the desired information on the top 10 teachers through the program | 5 minutes | August 11th, 2020 | E |
| 22 | Train the client to use the program | The client can independently use the program without my help in the future | 1 hour | August 11th, 2020 | E |
| 23 | Get feedback on any last suggestions for a version 2 of the program | Plan out a course of action to modify the program based on the client's feedback | 1 hour | August 11th, 2002 | E |