

Criterion B: Record of tasks

Task number	Planned action	Planned outcome	Estimated duration	Completion date	Criterion
1	Initial client meeting	Mrs. Morey's permission to be my client and to implement the offered solution. Mrs. Morey's requirements and desired product are to be well understood and identified.	1 hour	Nov 30, 2021	A
2	Further planning for the solution	Reorganizing the success requirements from the conversation and think about possible resources needed from Mrs. Morey	1 hour	Dec 10, 2021	A
3	Writing criterion A documentation	Write down the issue and the proposed solution, as well as the rationale for the solution and the programming language used. Based on Mrs. Morey's response, refine success criteria and write them down in a document.	3 hours	Dec 13, 2021	A
4	Client inquiry	Inquire list of vocabularies for the program from Mrs. Morey	15 minutes	Dec 15, 2021	A

5	Initial thinking of the solution	Determine on the overall methodology, identify smaller stages of the program as well as the target completion date for each	2 hours	Dec 20, 2022	B
6	Design the data flow diagram of the program and its overall structure	Design how the program would work in draw.io	2 hours	Jan 10, 2022	B
7	Design prototypes for the GUI	With the help from data flow diagram, various prototypes of frontend are designed to match each frame using PowerPoint.	2 hours	Jan 10, 2022	B
8	Create test plan for each success criterion	A comprehensive test plan is created addressing each success criterion, testing the performance of all functionality and the emergence of potential bugs	1.5 hour	Jan 11, 2022	B
9	Research and understand essential algorithms	Research and choose essential algorithms incorporated in the program. The understanding of these algorithms is enhanced by writing pseudocode and drawing flowcharts.	1 hours	Jan 11, 2022	B
10	Develop backend of the program based on design of UML diagram	Backend classes are coded based on UML diagram with functionality tested and debugged.	2 hours	Jan 12, 2022	B

	Collect client feedback for the frontend design	Show Mrs. Morey the current design progress for feedback. Add/improve design as necessary	1.5 hours	Jan 13, 2022	B
11	Writing criterion B documentation	Organizing all proofs of design processes including diagrams, charts, pictures into the documentation, as well as test plan and record of task.	2 hours	Jan 15, 2022	B
12	Develop the home page	Code the GUI and the backend for the home page based on the prototypes	1 hour	Jan 20, 2022	C
13	Program the backend for the storage system	Code a class that can store/retrieve data from a text file	4 hours	Jan 21, 2022	C
14	Program the backend for the collection system	Code a class that can add/edit words on the text file	4 hours	Jan 22, 2022	C
15	Program the frontend for the storage and collection system	Code the GUIs from the prototypes into the storage and collection system	3 hours	Jan 23, 2022	C
16	Create text file with existing words	Create a text file using the word list sent from Mrs. Morey	30 minutes	Jan 23, 2022	C

17	Program the backend for the training system (normal mode)	Code a class that can perform the activities described (remember and check; guess and type and multiple choice)	5 hours	Jan 24, 2022	C
18	Program the backend for the training system (reversed mode)	Add the reversed mode for activities described (remember and check; guess and type and multiple choice)	2 hours	Jan 24, 2022	C
19	Program the frontend for the training system	Code the GUIs from the prototypes into the training system	3 hours	Jan 25, 2022	C
20	Test and debug the entire program	Test the program in its entirety based on the test plan, identify and fix any bugs that emerge	5 hours	Feb 2, 2022	C
21	Writing criterion C documentations	Explain use of techniques with screenshot of code, completion of criterion C document	5 hours	Feb 5, 2022	C
22	Interview with client for feedback of the final product	Product is presented to the client for testing. Client's comment on the final product is collected	30 minutes	Feb 7, 2022	C
23	Minor modifications of code based on client's feedbacks	Feasible minor improvements are made based on client's feedback of the product presented	1 hour	Feb 8, 2022	C

24	Recording Criterion D video	Criterion D video is completed with explanation and evidence of the program functioning	1.5 hours	Feb 9, 2022	D
25	Writing Criterion E document	Criterion E document is completed by organizing the Mrs. Morey's feedbacks on success criteria and possible further development of the project.	1.5 hours	Feb 10, 2022	E
26	Discussion with Mrs. Morey about the deployment of the solution	Meet with Mrs. Morey to discuss details about the deployment of the program into her class	1 hour	Feb 15, 2022	