

## Criterion B: Record of tasks

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Ask my friends and relatives to see whether they are potential clients.	Choose the client.	1 week	10/02/2022	A
2	First talk with my uncle to know his problem and what should my solution solve.	Determine the type of product: an interpreter application.	20 min	19/02/2022	A
3	Talk with my CS teacher to know if the project was appropriate.	Get approval.	10 min	11/03/2022	A
4	Exploration. Search for similar open-source software, in which language is better to do it, useful APIs and libraries.	Decide a language: Python. Elaborate a set of tools to make the app	2-3 h	Before 01/04/2022 (will be updated)	B
5	Write the problem statement and the rationale for the solution.	Complete criterion A (will be updated)	40 min	24/03/2022	A
6	Start the record of tasks.	~	10min	Start date 24/03/2022	B
7	Write the script for the interview with the client on the second talk.	Decide what to ask him.	20 min	27/03/2022	A
8	Second reunion with my uncle. Interview.	Discuss in detail the app functionality and behaviour.	30 min	27/03/2022	A
9	Read the documentation of the tools that I will use: <ul style="list-style-type: none"> <li>- Googletrans</li> <li>- speech_recognition</li> <li>- gTTS</li> <li>- GTK+3</li> </ul>	Annotate useful functions and learn how to use them for my application.	3h	26/10/2022	B, C

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10	Start coding the Interpreter() class	Create a class that will be responsible for the translation process	5h	30/10/2022	C
11	Small testing on Interpreter() class main functions: translation and speech	Check that it works before starting with the interface	30min	31/10/2022	C
12	Design the interface with Glade	Choose the distribution of buttons and displays of the interface	2h	8/11/2022	C
13	Start coding the Handler() class	Join together Interpreter() and interface	4h	8/11/2022	C
14	Add play/pause button to start/stop interpreting	Develop the main functionality of the app	2h	10/11/2022	C
15	Create other files: __main__ and dictionaries files	To easily load languages and the main file of the app	30min	11/11/2022	C
16	Further work on the app	Make it more robust and the code more tidy and understandable	2h	13/11/2022	C
17	Find a way to make the Handler() display the text instead of the Interpreter()	Create separated layers (translation, interface) each controlled by a class Use callbacks to accomplish Interpreter() to Handler() interaction	3h	19/11/2022	C
18	Testing whole app and bug finding	Ensure that the app works as expected	2h	23/11/2022	B, C
19	Implement the copy to clipboard functionality	To copy the translated text easily	40min	25/11/2022	C

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20	App is too simple, add the functionality of having a translation history	Allow for user to navigate between past translation and listen to them again	4h	29/11/2022	C
21	Personalise interface with CSS	Change button appearance	30min	02/12/2022	C
22	Comment code	Increase readability before writing criterion C	1h	24/02/2023	C
23	Show final app to client and ask him for a short overview	Obtain the final client evaluation	30min	12/03/2023	E
24	Write a short script for the video	Decide which elements are most important of the app to be shown	1h	25/03/2023	D
25	Record video	Complete Criterion D	2h	26/03/2023	D
26	Reflect based on clients evaluation and my own ideas what can be improved of my app	Do a full evaluation of my app and discuss which success criteria have been met and possible extensibility	1h30min	26/03/2023	E