

Criterion B: Record of tasks

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Introduction to IA in class	Understand the parameters of the task	30 mins	Oct 15, 2020	N/A
2	Preliminary research	Have a general idea of the type of task I'd like to do	1 h 20 mins	Dec 15, 2020	A
3	Talking to potential clients	Find a client whose current issues can be fixed by technology	1 h	Dec 16, 2020	A
4	Identifying client	Contact chosen client	15 mins	Dec 17, 2020	A
5	Interview with client	Talk to client to get specifics on their issue as well as presenting my potential solution to their problem	30 mins	Jan 27, 2021	A
6	Writing interview transcript	Transcribe the interview with client for further reference	1 h	Jan 28, 2021	A
7	Identifying specifics of proposed solution	Identify suitable libraries and processes to use for the solution	3 h	Feb 4, 2021	A
8	Determining success criteria	Document chosen success criteria for the final product	1 h	Feb 4, 2021	A
9	Discussing with teacher about specifics of proposed solution	Discuss with my teacher on library suggestions as well as skill level required for the task	30 mins	Feb 9, 2021	A
10	Discussion with client	Propose a more detailed plan (what the solution would look like, what it would do, etc.) as well as negotiation of specific details of product (ie. GUI?)	30 mins	Feb 23, 2021	A

11	Writing criterion A	Document and write a rough draft of criterion A	6 h	Feb 24, 2021	A
12	Planning prototype code	Plan a rough structure of code (for example, crop footer, save left margin) for further development	1 h	Mar 2, 2021	B
13	Research OCR libraries	Read up on Tesseract and deciding between Tesseract and OpenCV	1h 20 mins	Mar 25, 2021	B
14	Familiarise myself with Github	In class activity on learning how to use GitHub and creating our first repository for documenting IA process	1h	Mar 31, 2021	B
15	PyTesseract	Implement tesseract into my original trial code	3h	Apr 5, 2021	B
16	RegEx	Identify the use for RegEx with PyTesseract and find the right patterns to use	20 mins	Apr 7, 2021	B
17	Writing Beta Code	Finish off the separate functions for my beta code	3 days	May 10, 2021	C
18	Bug Capture	Go through my beta program and documenting current bugs and sort them out in order of importance and complexity for easier fixing later on	30 mins	May 12, 2021	C
19	Trial Criterion D	Film a mock criterion D video with my beta code	30 mins	May 13, 2021	D
20	Design	Create rough design of CLI	10 mins	Jun 03, 2021	B
21	GUI Research	Research possible GUI components and mock up designs	20 mins	Jun 09, 2021	B

22	GUI Mock	Create rough mock up of possible GUI	20 mins	Jun 09, 2021	C
23	CLI Design Research	Check out Rich (GitHub) for CLI design as well as progress bars	10 mins	Jun 09, 2021	B
24	User perspective flow	Create a flowchart showing user perspective	20 mins	Jun 17, 2021	B
25	Developer flow	Create flowcharts for every part of my program	3 hours	Jun 20, 2021	B
26	Writing Criterion B	Write rough draft of criterion B with flow charts and visual examples	2 days	Jun 20, 2021	B
27	Mark Scheme	Familiarize myself with the IGCSE ICT Mark scheme formatting	10 mins	Jun 23, 2021	B
28	Mark Scheme code	Plan out the structure of program for mark scheme (functions, files, folders)	20 mins	Sep 3, 2021	C
29	Writing Mark Scheme code	Write out a beta program for mark scheme	4 days	Sep 15, 2021	C
30	Bug Capture	Go through my beta program and document current bugs and sort them out in order of importance and complexity for easier fixing later on	30 mins	Sep 16, 2021	C
31	Patching Question paper beta code	Use my list of bugs from Bug Capture (May) to go through my beta code and fix the issues	2 days	Sep 23, 2021	C
32	Patching Mark Scheme beta code	Use my list of bugs from Bug Capture (September) to go through my beta code and fix the issues	3 days	Oct 11, 2021	C

33	Research image output types	Research all the possible output types I can use with CV2 and PIL	20 mins	Oct 11, 2021	B
34	Patching code	Fix issues with output type and output file names	1 day	Oct 12, 2021	C
35	Writing Criterion C	Write a first draft of criterion C	2 days	Oct 14, 2021	C
36	Adding extensions to code	Add more user options for code and beta test these for run time and usability	2 days	Oct 20, 2021	C
37	Testing code and bug capture	Test code against papers from different sessions of different years (at least 4 test cases). Document any bugs captured.	1 day	Oct 21, 2021	C
38	Patching code	Fix issues with mark scheme code and reading tables within tables. Add function to read paper code	1 day	Nov 5, 2021	C
39	Submit first draft of IA to teacher	Receive written feedback on all criteria	2 weeks	Nov 12, 2021	E
40	CLI Code	Plan out the structure of the CLI program and write a beta version	1 day	Jan 6, 2022	C
41	Updating validation	Add user input validation throughout the code	1 day	Jan 6, 2022	C
42	CLI Code patch	Fix issues with beta version of CLI	1 day	Jan 7, 2022	C
43	CLI Code patch	Add more input options for CLI and fix up readability + rich text formatting	1 day	Jan 8, 2022	C

44	Final test running entire program	All features should be functional and all tests, as outlined in Crit B, should be passed	1 hour	Jan 8, 2022	C
45	Writing Criterion D Script	Plan my Crit D video and write out the script	30 mins	Jan 9, 2022	D
46	Producing Crit D	Film and edit my new Crit D video	30 mins	Jan 9, 2022	D
47	Final Client Feedback	Send my final product and demonstration video to my client, who will be out of country, for feedback. Possibly include guiding questions for him on his thoughts on some features?	1 hour	Jan 9, 2022	E
48	Transcribe Final Client Feedback	Transcribe the final feedback session with client for reference in criterion E	1 hour	Jan 9, 2022	E
49	Writing Criterion E	Finish documenting client feedback and evaluate the entire software development process	1 day	Jan 9, 2022	E