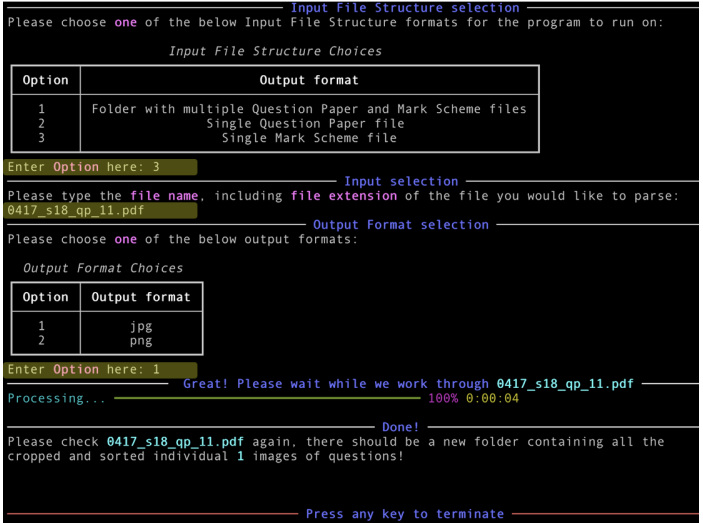
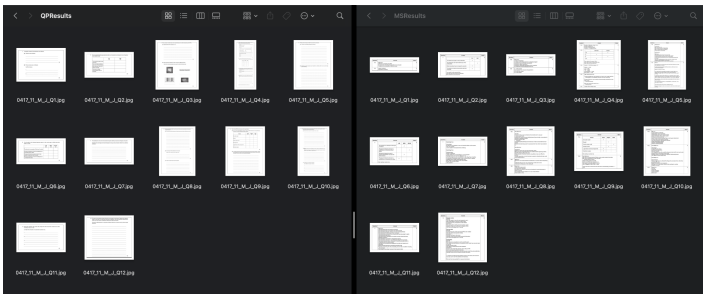
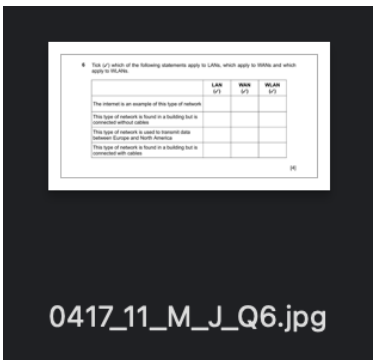


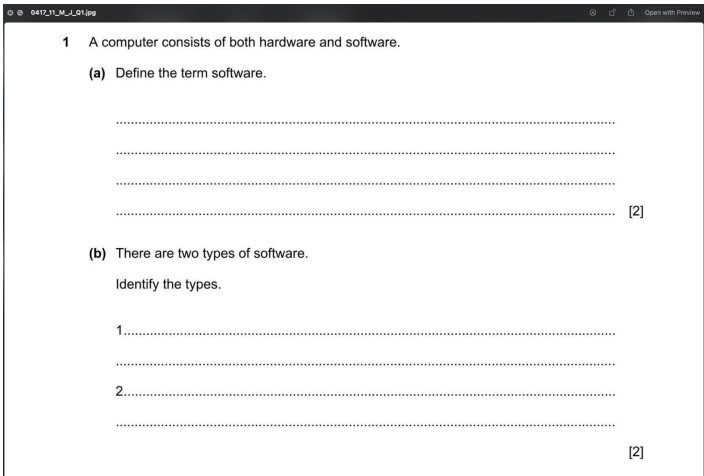
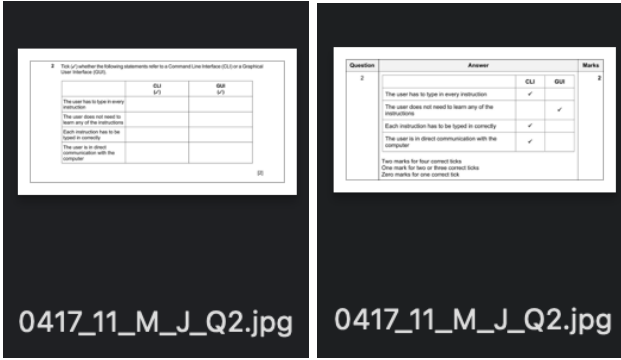
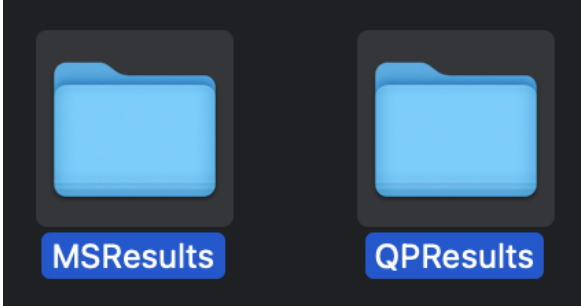
# Criteria E: Evaluation

## A/ Meeting the Success Criteria (Crit A)

CF = Client Feedback

Test cases are from Criteria B's Developer Test Plan

Criteria		Met?	Evidence
1	Requires minimum user input	<input type="checkbox"/>	<p>Test cases: 18, 19</p> 
2	Parse through a PDF file and produce separate cropped images of questions and its respective answer.	<input checked="" type="checkbox"/>	<p>Test cases: 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14</p>  <p>Additional evidence in video</p>
3	Must output files with correctly formatted file names which includes: <ul style="list-style-type: none"> <li>a. Course code</li> <li>b. Year and session</li> <li>c. Paper</li> <li>d. Question number</li> </ul>	<input checked="" type="checkbox"/>	<p>Test cases: 11, 16, 20, 21, 22</p> 

4	Each image file must contain the full question with all of its accompanying subquestions.	✓	<p>Test cases: 15</p>  <p>Additional evidence in video</p>
5	Each image file should have an accompanying mark scheme image.	✓	<p>Test cases: 24, 25, 26, 27, 28, 29, 30, 31</p>  <p>Additional evidence in video</p>
6	Must be able to run on Cambridge IGCSE ICT exam paper 1 post 2017 format change.	✓	<p>Test cases: 23</p> <p>Evidence in video</p>
7	Resulting images should be stored in separate folders depending on whether or not it is from a question paper or from a mark scheme.	✓	<p>Test cases: 3, 17</p>  <p>Additional evidence in video</p>

### **B/ Client Feedback Summary**

The client was pleased with how “easy the UI is to use”, and was impressed that all of the success criteria determined from our first interview was met. With how easy it is to use, my client expressed his wishes in sharing it with other teachers, however he brought up the fact that “the set up, installing Python and such, may need some streamlining, such as an instructional guide or a packaging tool.” We also agreed that a “traditional user interface” (GUI) would be a good option to implement for other users.

### **C/ Future Improvements**

#### **i/ Short term:**

Improvement	Details
Add other types of sorting (ie. by topic, by length, by points)	Currently, the only option for sorting is by year. However, some users may wish to sort the output by topic or by some other criteria. My client himself also stated that he would like to be able to “categorise by unit” (Appendix 1), which wasn’t implemented due to inconsistency with question units. This will be done with identifying certain vocabulary within questions to sort into topics. The topical vocabulary will most likely come from an online database like Quizlet.
Extend to all papers of IGCSE ICT course	Currently, the program can only recognise paper 1 questions and mark schemes as papers 2 and 3 are structured differently. Doing so will serve as a stepping stone to long term goal 1 (extend to all courses). I will have to research and document the features of IGCSE ICT papers 2 and 3, as well as their mark schemes, and program new modules specific to those structures. However, as I am already familiar with the concept and logic of this program and its derivatives, it will not take me long to get started with this improvement.

#### **ii/ Long term:**

Improvement	Details
Extend to other IGCSE courses	In order to do this, I will have to extensively research and document the features of all papers across all subjects. After this, I would have to program multiple different modules based on the different features. This is a case in which a GUI would be helpful due to the need to customise input to different papers.
Creating test given a specific number of points	This is something that my client brought up in the final interview. In order to achieve this, I will have to implement a new system where the points are read during tesseract

	<p>processes and stored in a suitable data structure. Then, the user will get the choice to create test and input the amount of desired points. The program could output a PDF of the merged questions, instead of individual images.</p> <p>Something to think about is the way that questions are chosen; they could be from the closest “target” year, or completely randomised across a stored database of questions.</p>
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Word Count: 423