



PointOne Coding Challenge

“The Word Wizard”

Welcome to PointOne! Here, we like to set coding challenges for all abilities and styles. These are designed to enhance your programming skills through solving practical, real-world problems.

Your Challenge

For this challenge, you are tasked with creating a Python application that adds appendices to a live Microsoft Word document. It should include a fluid, appealing GUI that can interact with MS Word.

It should allow user to select PDF files to add as appendices to the document. Then, based off the number of pages in the selected files, this quantity of blank pages are added to the word document, separated by the desired headings. (The purpose of adding blank pages is to make sure the page number count aligns correctly.) Once the pages are added and the document refreshed, the program should be able to export the document and combine the resulting PDFs such that the selected PDFs appear as appendices to the working document, by replacing the plank pages.

Criteria

- Allow the user to add an appendix to a live Word document
- Have a GUI that is appealing and easy to use
- Allow the user to edit current appendixes via the programme
- Downloadable as an exe file
- Works on Windows and Mac

Mark Scheme

To judge your code fairly, the team at PointOne will compare your code against the following mark scheme:

Criterion	Description	Score
Functionality	Does the script perform all required tasks?	1-10
Usability	Is the GUI user friendly and appealing?	1-10
Code Quality	Is the code efficient, well written and well structured?	1-10
Error Handling	Does the code effectively handle errors?	1-10

Submission Instructions

To submit your code, simply email it to office@pointonesoftwaresolutions.com . If you are submitting this as part of an interview or job application, please give a brief (100-200 words) description of your code in the email.