

AUTOMATED DOCUMENT SUMMARISATION USING NATURAL LANGUAGE PROCESSING

Application User Manual

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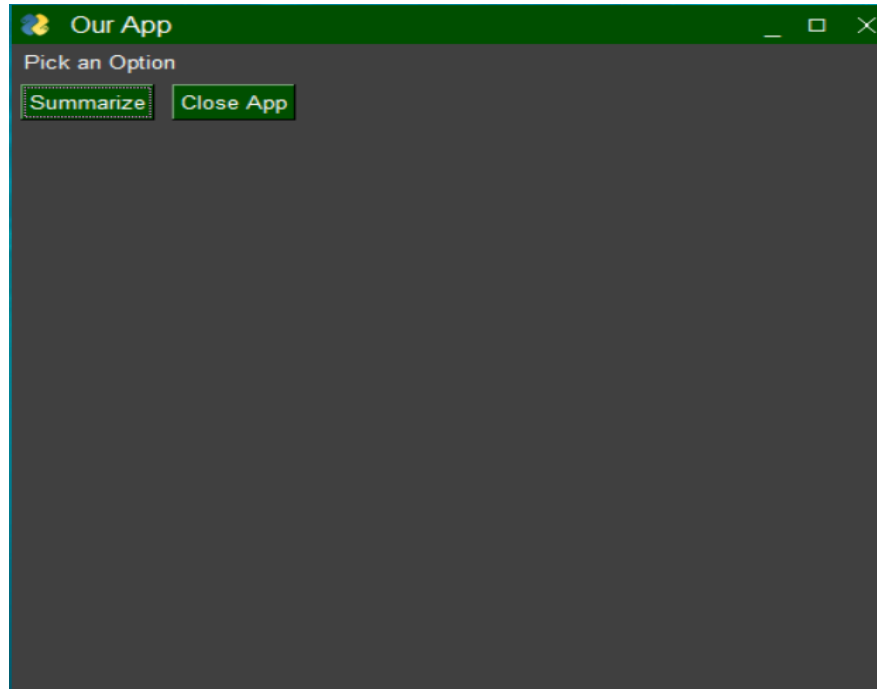
APPLICATION OVERVIEW

This application is designed to summarize PDF documentation. This is done using natural language processing techniques. The application is written in python and uses a PySimpleGUI, a Python GUI, on the frontend. The summarizer is given a PDF file and then returns the summarized output onscreen. This summary can then be saved as a PDF if required.

This manual will go through each element of the application and demonstrate how the app functions. The app has two main windows; the Home Screen and the Summarization Screen.

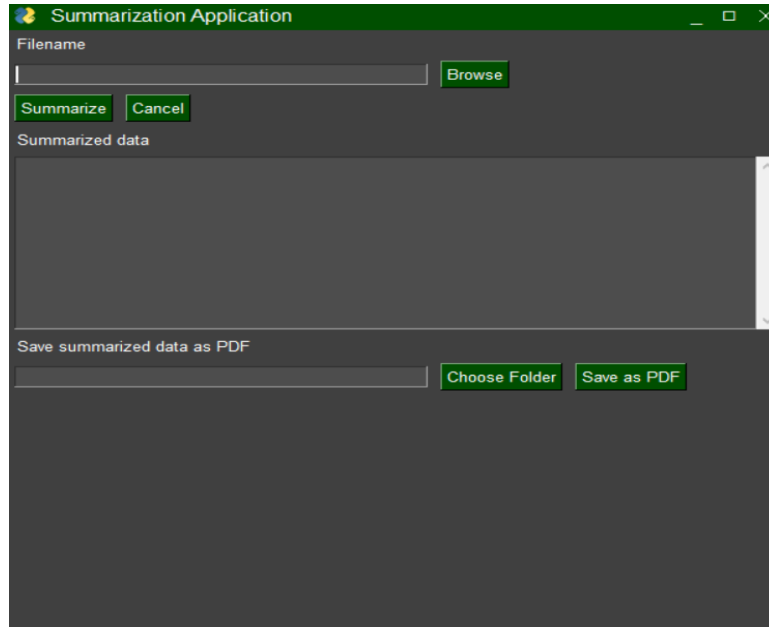
HOME SCREEN

- As soon as you open the app this interface should pop up on your screen.
- Here you are greeted with a message to pick an option.
- There are two buttons to choose from; Summarize and Close App.
- If you choose 'Close App' then the application will terminate.
- If you choose 'Summarize', you will be brought to the summarization page.



SUMMARIZATION PAGE

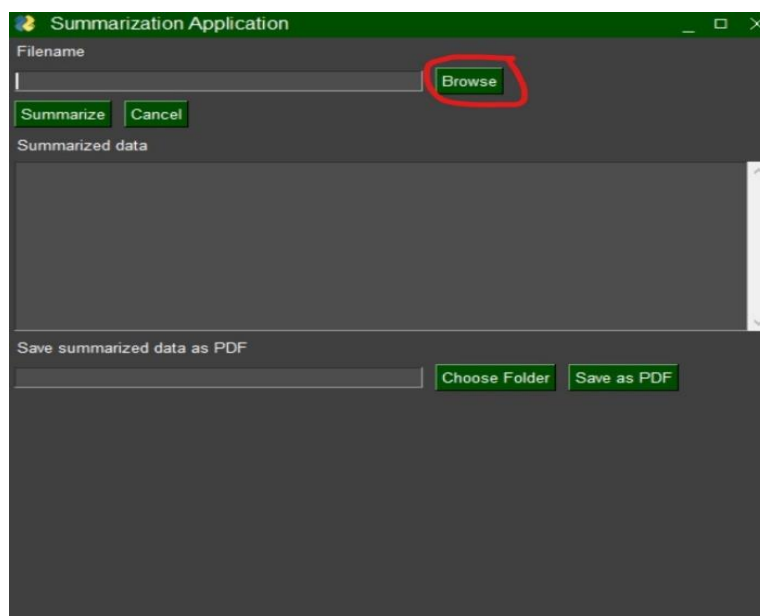
Here is a guide on how to summarize a PDF, read the summarized data and save the summarized data to a PDF if you wish. Below is the Summarization window.



SECTION 1: FILENAME (SUMMARIZING A PDF)

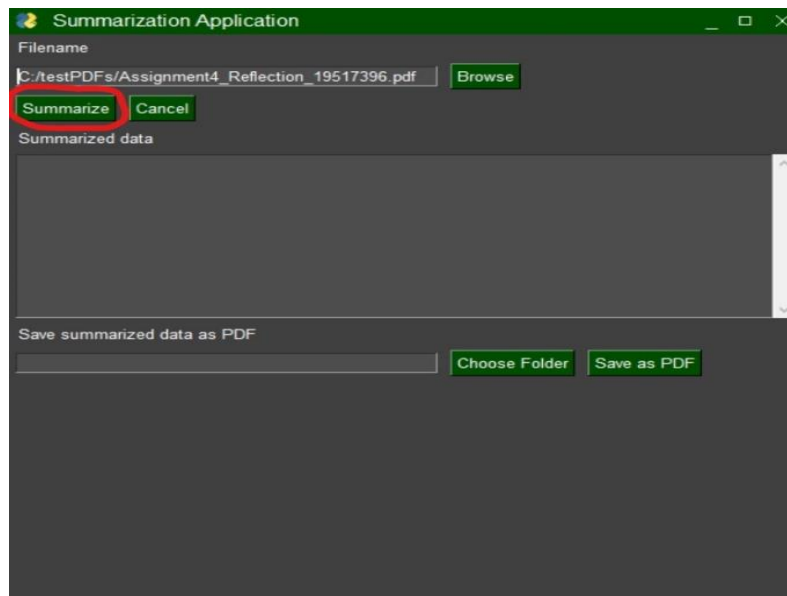
CHOOSING A FILE

- At the top of the screen, there is a text input field along with a 'Browse' button beside it.
- This is where the name of the PDF document you want to summarize goes. Here you have to option of typing in the path yourself or you can choose to 'Browse'.
- When you click the 'Browse' button you will be brought to your file explorer where you can search for the file you would like to summarize.



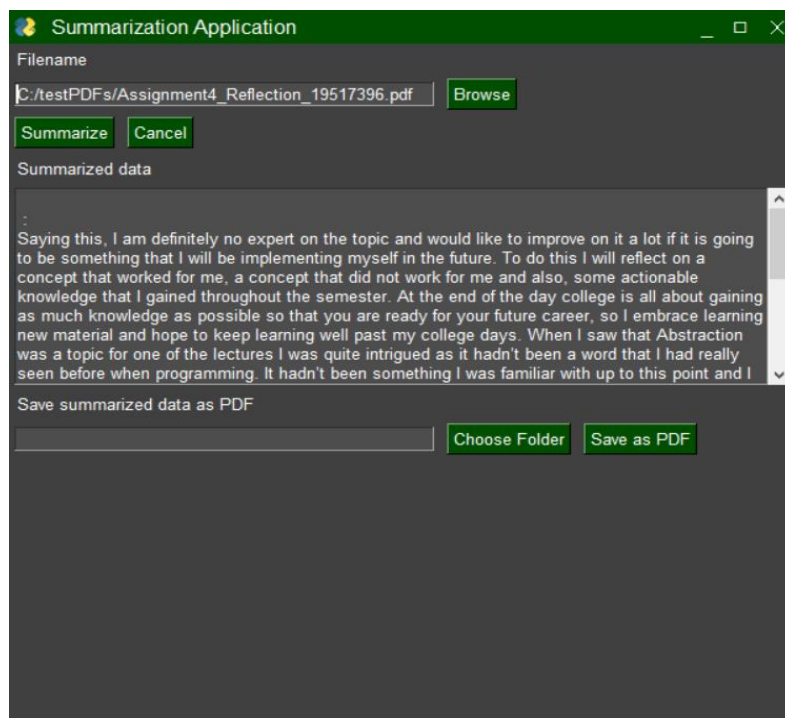
SUMMARIZING THE FILE

- Once you have inserted the name of the file, you can summarize the document by clicking the 'Summarize' button.
- Alternatively, if you no longer want to summarize a file you can click 'Cancel' and you will be redirected to the Home Screen.



SECTION 2: SUMMARIZED DATA

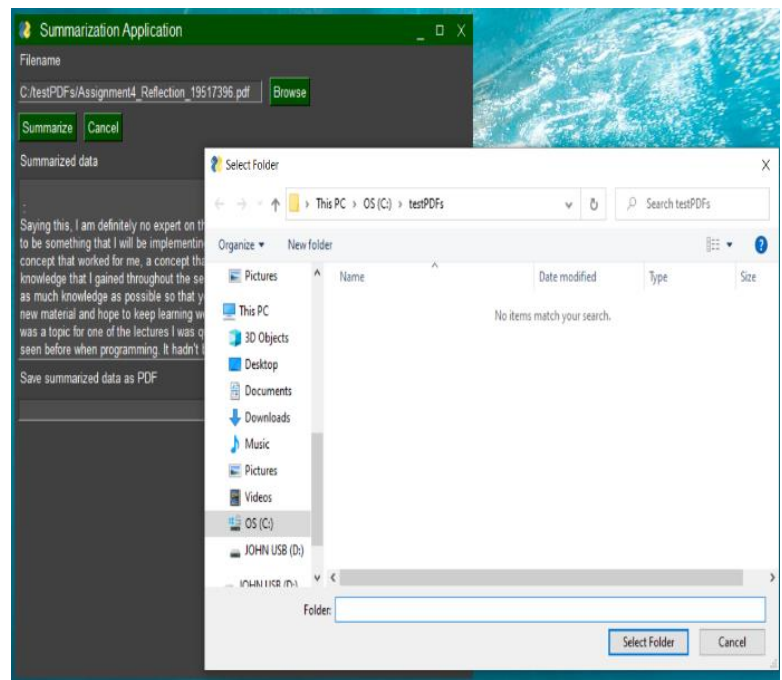
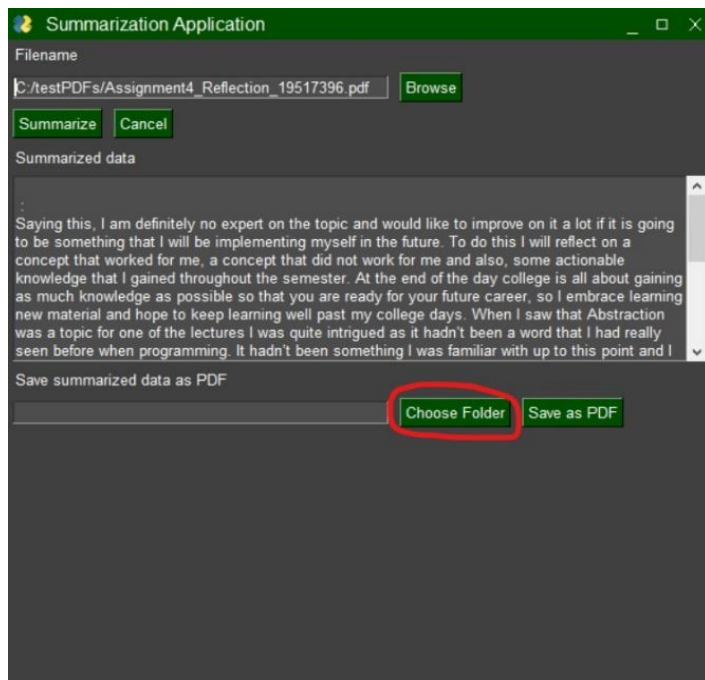
- Once you choose the summarize the PDF, the summarized data should appear in the 'Summarized data' text box.
- Use the scroll bar here to read the summary.



SECTION 3: SAVE SUMMARIZED DATA AS PDF

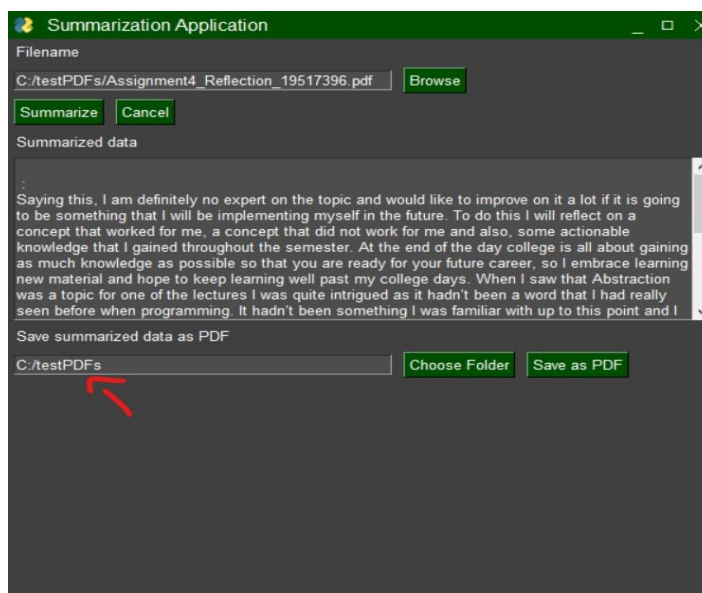
Choosing a folder to save the PDF to

- After you have summarized the original PDF, you have the option of saving the summarized data to a new PDF document.
- If you would like to save it, you have two options.
- You can write in the path yourself or you can click the 'Choose Folder' button and pick the folder you would like to save to.



HOW TO NAME THE PDF YOU WANT TO SAVE

- Once you have chosen the folder you want to save to, you can type in the name of the PDF you want to create.
- This is done by typing '/filename.pdf'.



SAVING THE FILE AS A PDF

- Once this is done you can click 'Save as PDF', to save the PDF file.
- A popup should come up to notify you that the PDF has been saved.

