FILE BINDER

MINOR PROJECT | VTH SEMESTER

IPS ACADEMY
INSTITUTE OF ENGINEERING & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

FILE BINDER

Internal Guide
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AGENDA

- Introduction
- Project Motivation
- Technologies Used
- Application Flow
- User Interface
- Batch Script Integration
- Output File
- Challenges Faced
- Future Scope
- Conclusion
- References

INTRODUCTION

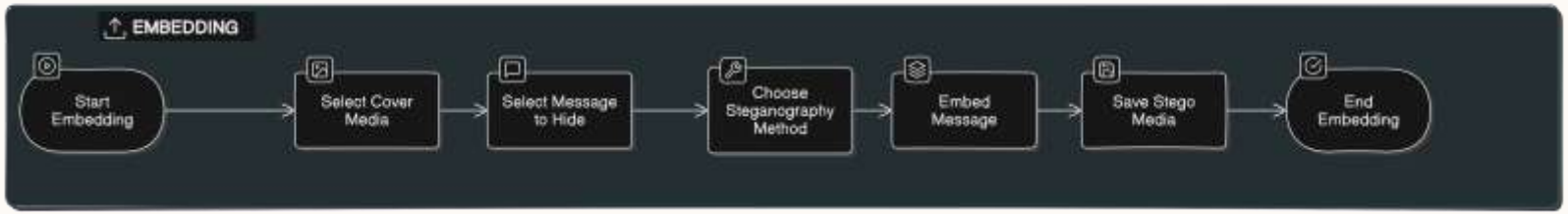
FILE BINDER, WE AIM TO ALLOW THE BUNDLING OF MULTIPLE FILES INTO A SINGLE OUTPUT FILE THAT CAN BE EXECUTED AUTOMATICALLY IN BACKEND.

THIS TOOL IS USED FOR CYBER SECURITY ATTACK PURPOSE TO SEND MALICIOUS FILE SCRIPT IN VICTIM'S COMPUTER.

THIS MAKES THE MANAGEMENT, PACKAGING, AND EXECUTION OF FILES SEAMLESS AND EFFICIENT, PARTICULARLY BENEFICIAL FOR TASKS IN SOFTWARE DEPLOYMENT.

Why this project?
To Have Practical Knowledge Of Steganography.

STEGANOGRAPHY PROCESS



Problem:
Manual file binding is very time consuming and already pre-made software application already available in the market are mostly infected with a malware with their own embedded pre made script which infect our computer system.

TECHNOLOGIES USED

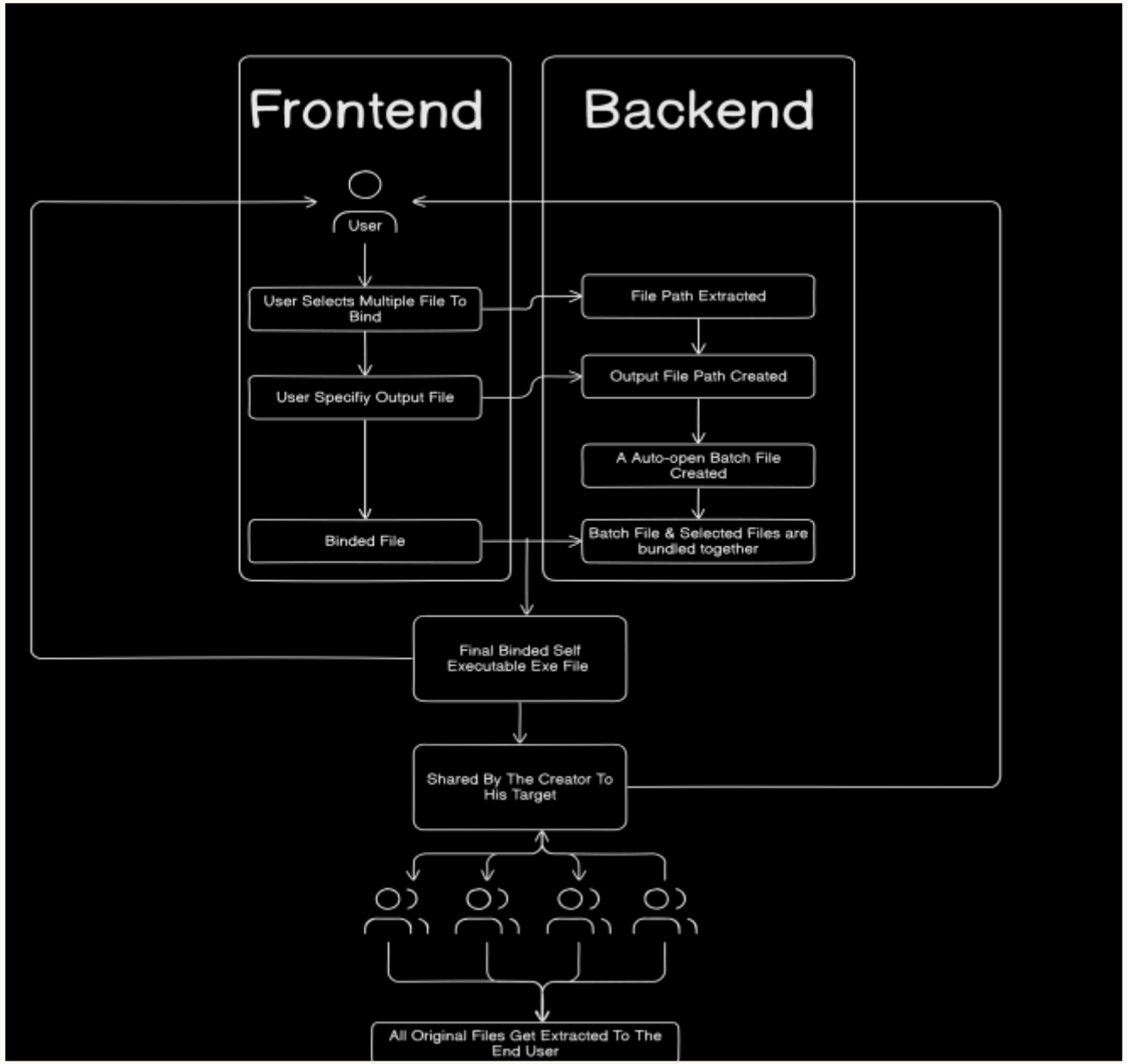
Programming Language: Python

Libraries/Frameworks:

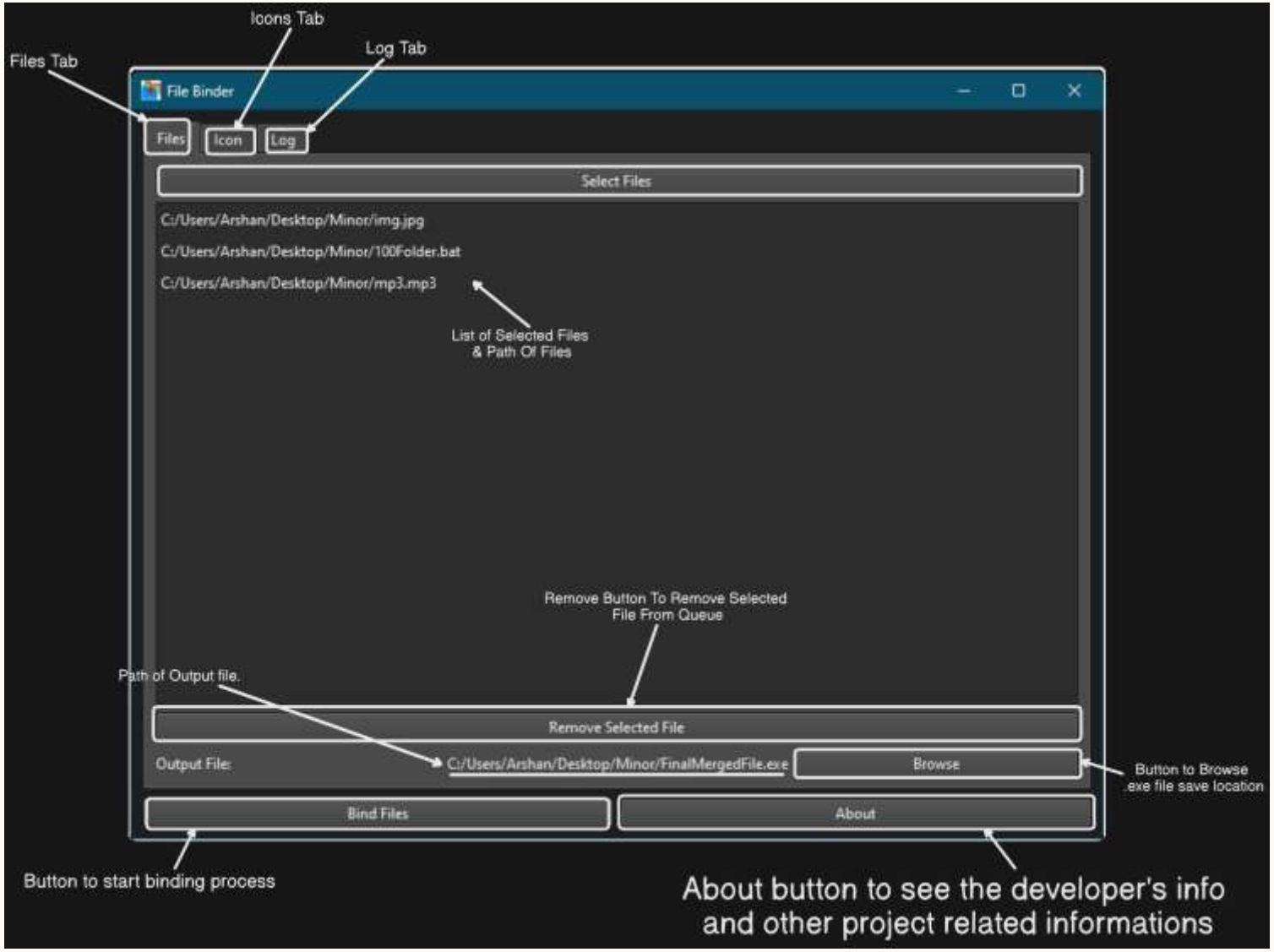
- **PyQt6**: For the graphical user interface.
- **PyInstaller** (for creating executables).
- **os & shutil** : For file handling and system operations.
- **Visual Studio Code** : Development Environment.

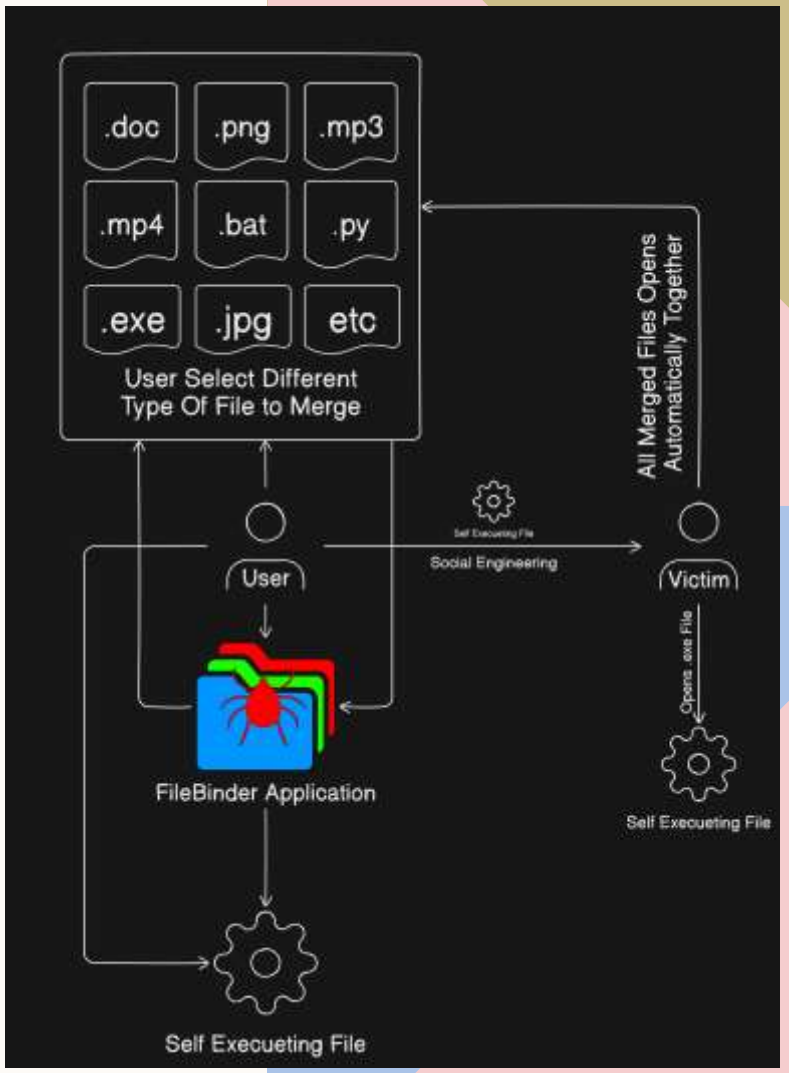
APPLICATION FLOW

Application Flow Explained With Help Of An User Use Case Example:-

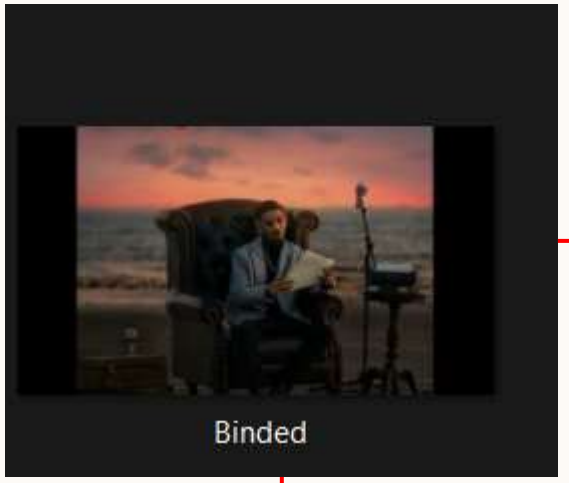


USER INTERFACE



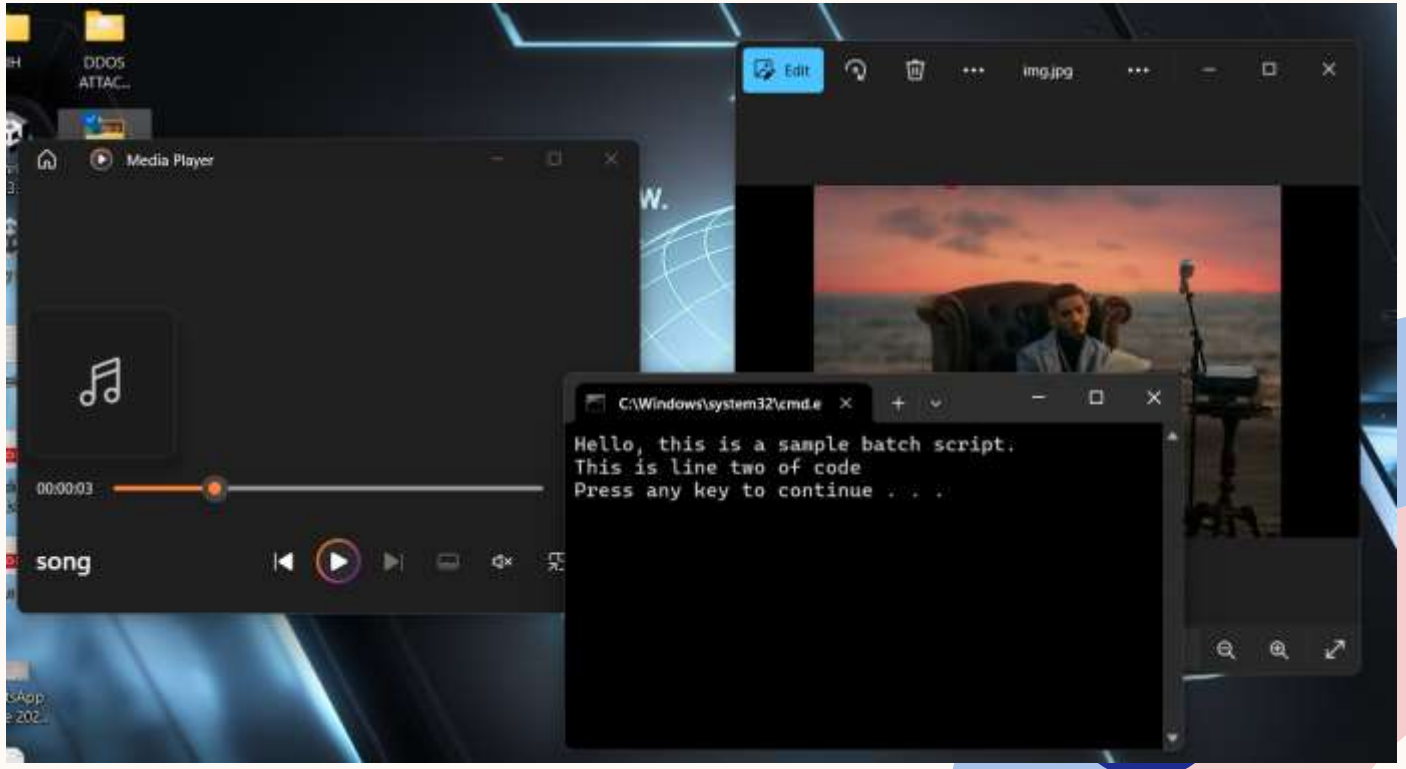


OUTPUT FILE



Final Binded File

On Opening This Final File
All The Internal Binded Files
Automatically Opened



CHALLENGES FACED

- Creating a seamless experience for running files automatically.
- Handling multiple file formats in different operating systems.
- Ensuring file Compatibility during the binding process.

FUTURE SCOPE

- Add more file types and script integrations.
- Improve automation by using a more secure method for running the batch file.
- Enhance the UI and include error-handling mechanisms for more reliability.
- Bypassing Antivirus Security.

CONCLUSION

- The File Binder project simplifies file management by bundling files and automating their execution.
- It has potential applications in both cybersecurity and software packaging.
- Useful for Cyber attacker to attack on their victim by attaching an malicious scripts with documents files.

REFERENCES

- **Python Official Documentation** (Used for understanding the Python standard library and modules like zipfile etc.)

  Website: https://docs.python.org PyQt6 Documentation

- **PyQt6** (Used for building the graphical user interface for the File Binder application.)

  Website: https://riverbankcomputing.com/static/Docs/PyQt6/

- **Stack Overflow** (A source of community-driven Q&A that provided help on troubleshooting and optimization.)

  Website: https://stackoverflow.com

- **PyInstaller Documentation** (For converting Python scripts into standalone executables.)

  Website: https://pyinstaller.org

REFERENCES

GitHub Repositories on File Binder Projects

Website: https://github.com/search?q=file+binder+&type=repositories

GeeksforGeeks Python File Handling

Website: https://www.geeksforgeeks.org/file-handling-python/W3Schools

Python File Handling

Website: https://www.w3schools.com/python/python_file_handling.asp

PyInstaller Documentation

Website: https://pyinstaller.org/en/stable/W3Schools

Zip Function Reference

Website: https://www.w3schools.com/python/ref_func_zip.asp

ChatGPT for Project Guidance and Assistance

Website: https://chatgpt.com/

THANK YOU

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