

FIU OSINT-Bot Application

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PROBLEM

The challenge involves creating a program that uses facial recognition and web scraping technologies for research, while upholding ethics, privacy, security, and transparency, balancing innovation with responsible technology use and ensuring legal and ethical integrity. Including creating a comprehensive GUI to house the programs into one machine.

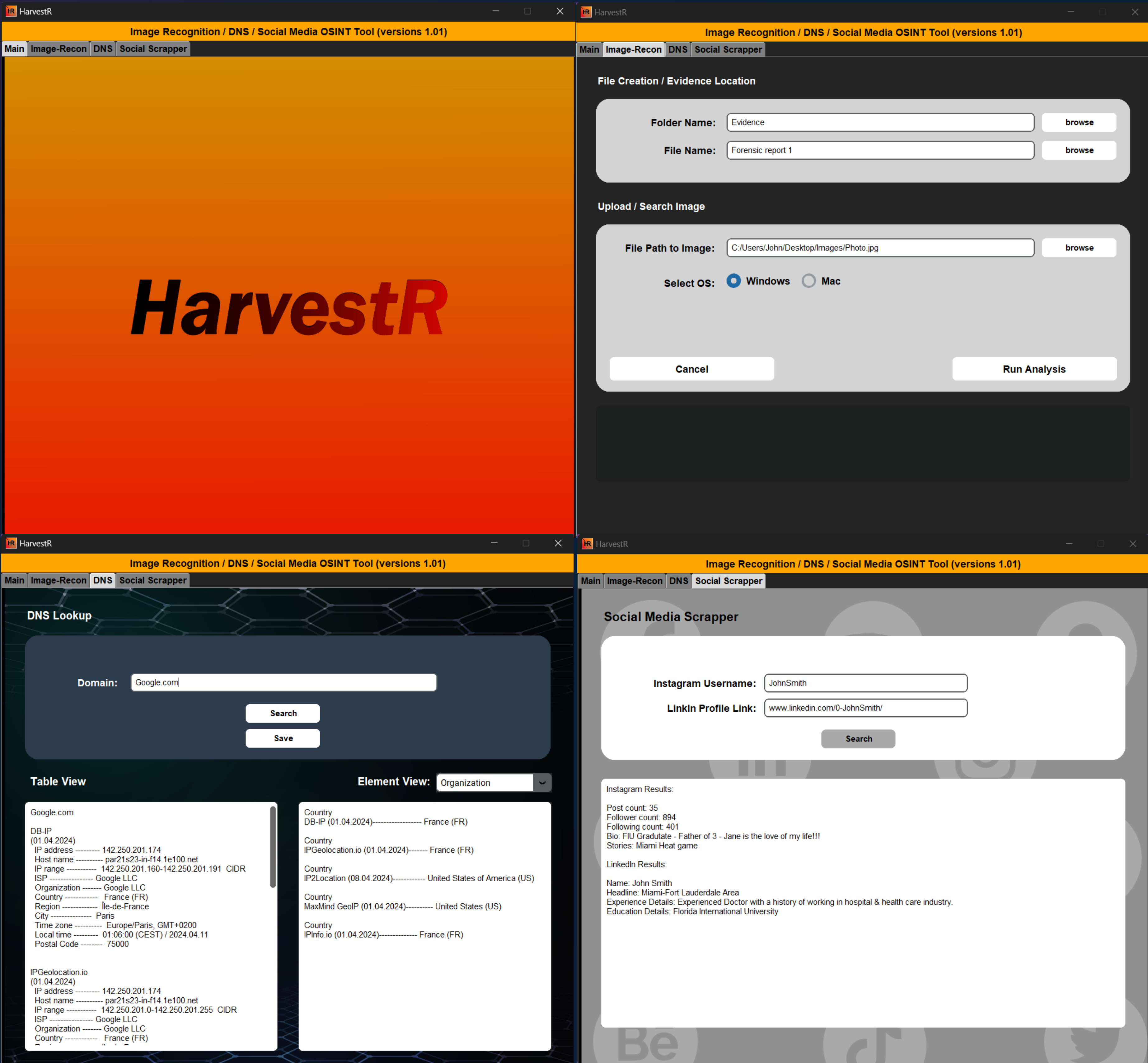
DNS FEATURES

- Table View, filters the website for each table data. Then, prints the elements for every database. The result is presented in a digestible format.
- Element View, will single out and present a table element of the user’s choice.

DNS FAULTS

If there is no data found this will lead to an “Attribute Error” exception where NoneType values are passed into the tables. This can happen by the user entering the wrong extension (youtube.org) resulting in no data found.

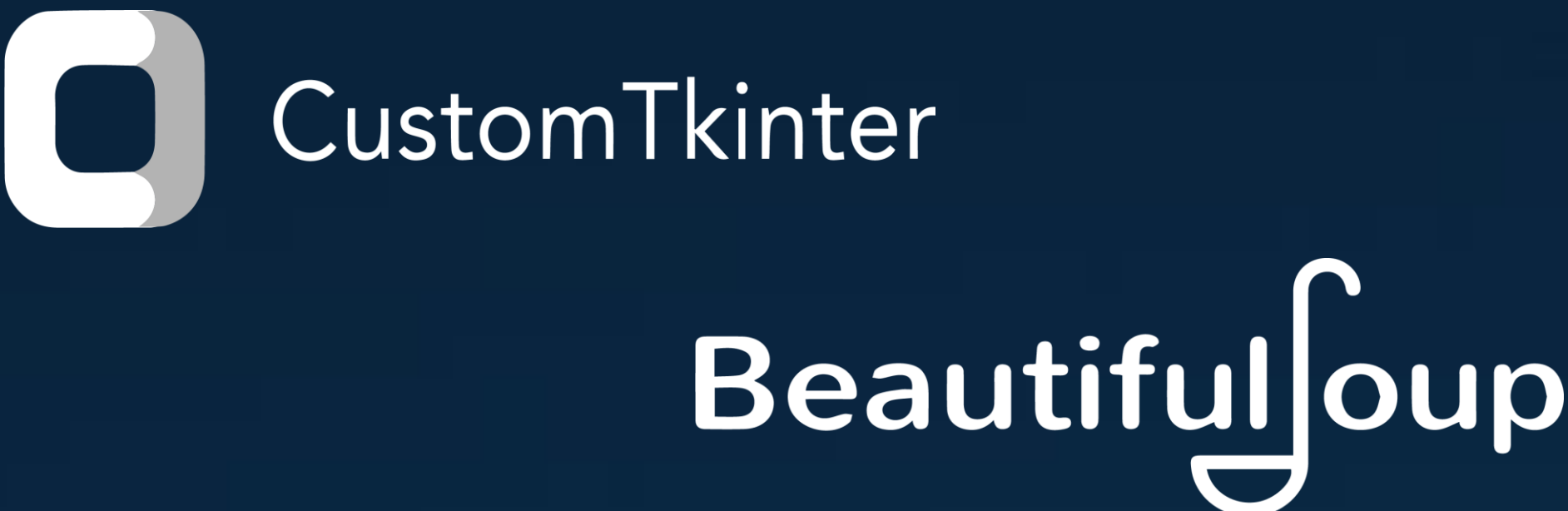
APPLICATION DESIGN



INDIVIDUAL CONTRIBUTION

Developed a tool to provide data for domain names through a web scrapper using the website <https://check-host.net/>. The information garnered is filtered and aesthetically displayed. Further filtering of specific elements per table is provided to ease the analyzing process.

IMPLEMENTATION



SUMMARY

The tool's *Table View* provides general data regarding a domain name like: IP address, host name, IP range, ISP, etc. The *Element View* filters specific elements for each database. Together, both features provide supplemental information for forming an understanding of the target’s workplace.

ATTENTION: Participants involved in any project are fully informed about the nature, purpose, and methodologies involved, and their consent is obtained prior to participation. This project provides an aggregate analysis derived from publicly available data sources. It is crucial to acknowledge that the information presented here is intended exclusively for academic and informational purposes. We firmly oppose and abstain from personally employing facial recognition technologies or web scraping methods that compromise individual privacy.

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by Dr. Masoud Sadjadi. We/I thank Dr. Masoud Sadjadi for his assistance and mentorship that I/we received throughout the senior design project.