DETECTION OF ONLINE SPREAD OF TERRORISM

FINAL REVIEW

- **REVIEWED BY :-**

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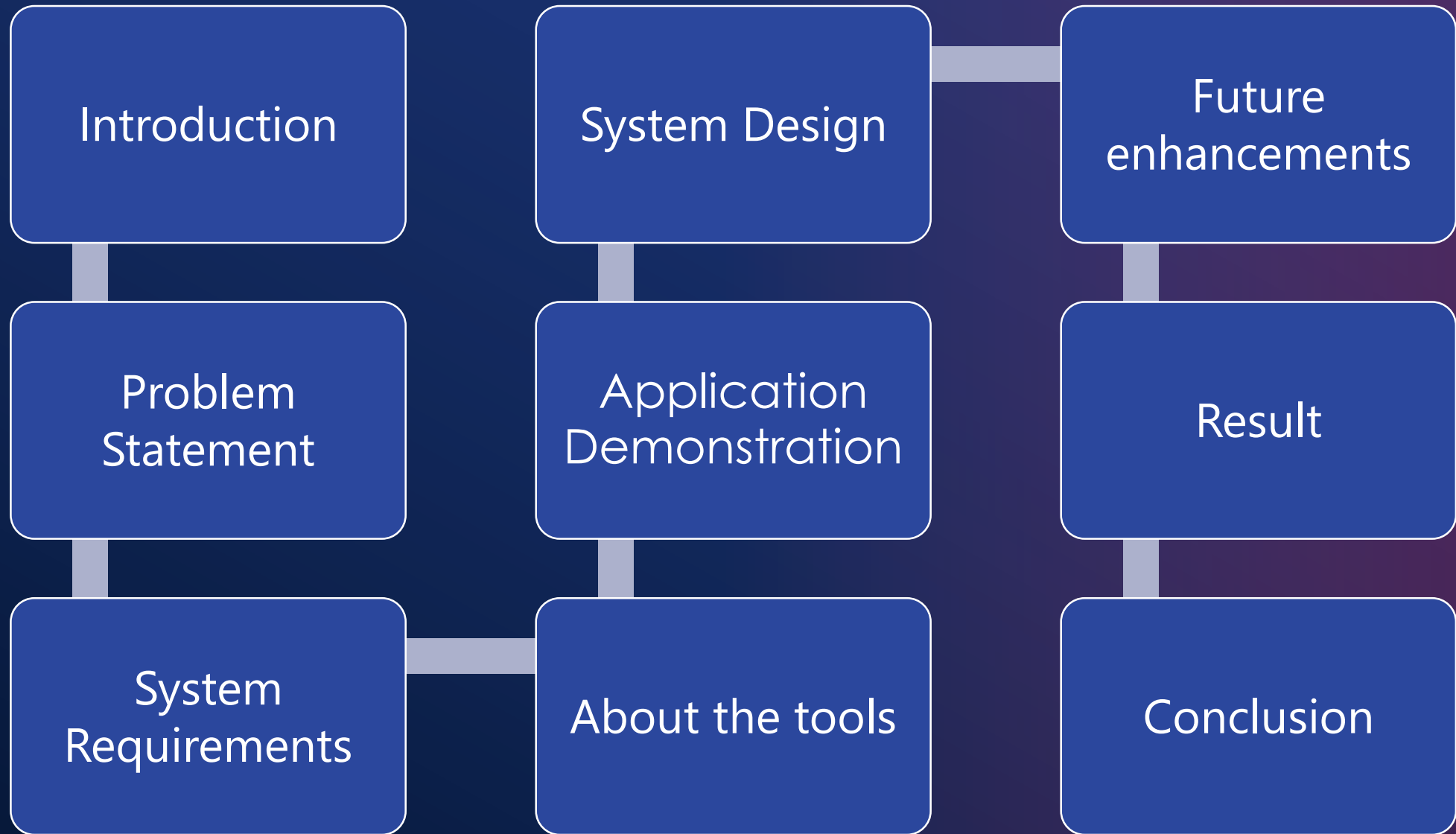- 19BCE10223   PRANAV SEN
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PRESENTATION OVERVIEW

Introduction

Problem Statement

System Requirements

System Design

Application Demonstration

About the tools

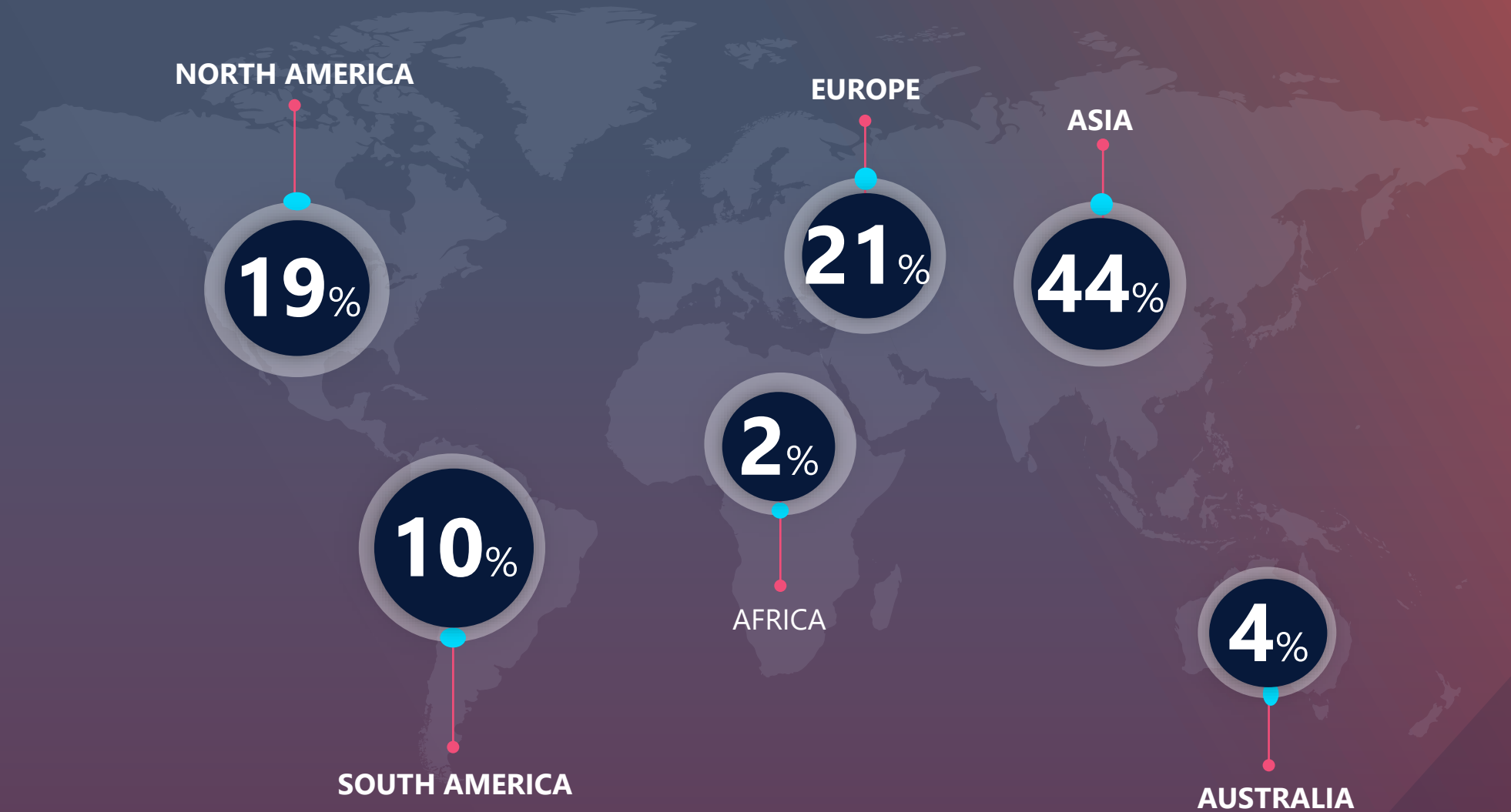Future enhancements

Result

Conclusion

ABOUT ONLINE TERRORISM

❖ *Terrorist groups are utilizing the internet as a medium to convince innocent people to take part in terrorist activities by infuriating the people through web pages that inspire disenchanted individuals to take part in the terrorist organization.*

❖ *A terrorist is spreading their terrorism activities using the internet by speech, text, videos.*

❖ *To reduce the human effort, we implement the system which detects terrorist groups in social media.*

How Terrorist uses online tools to spread online terrorism :-

- ❖ Twitter

- ❖ Facebook

- ❖ Chat Messengers

ONLINE SPREAD OF TERRORISM IN 2020

NORTH AMERICA

EUROPE

ASIA

19%

21%

44%

2%

AFRICA

10%

SOUTH AMERICA

4%

AUSTRALIA

PROBLEM STATEMANT :-

❖ The real time nature of website is investigated which is designed to check whether a valid information can be extracted from it. They proposed system deliver event notification which is used to monitor the activities and delivers notification according to the investigation knowledge.

SYSTEM REQUIREMENTS

❖ Processor　　　　　　　:　　Inter(R) Core (TM) i3-4005U CPU @ 1.70 GHz

❖ RAM　　　　　　　　　:　　4 GB

❖ Hard Disk　　　　　　　:　　250 GB

❖ Input Devices　　　　　:　　Keyboard, Mouse

❖ Operating System　　　:　　Windows 8 and above

❖ Front end　　　　　　　:　　Python

❖ Modules　　　　　　　　:　　Tkinter, Requests, BeautifulSoup4, Pillow, Ttkthemes

ABOUT THE TOOLS

- Python :

Python is developed under an OSI-approved open source license is administered by the Python Software Foundation.

- Python modules :

The Python Package Index (PyPI) hosts thousands of third-party modules for Python. Both Python's standard library and the community-contributed modules allow for endless possibilities.

Modules

- Tkinter :

Python has a lot of GUI frameworks, but Tkinter is the only framework that's built into the Python standard library and

Visual elements are rendered using native operating system elements, so applications built with Tkinter look like they belong on the platform where they're run.

- Requests :

Requests allows you to send HTTP/1.1 requests extremely easily

- BeautifulSoup4 :

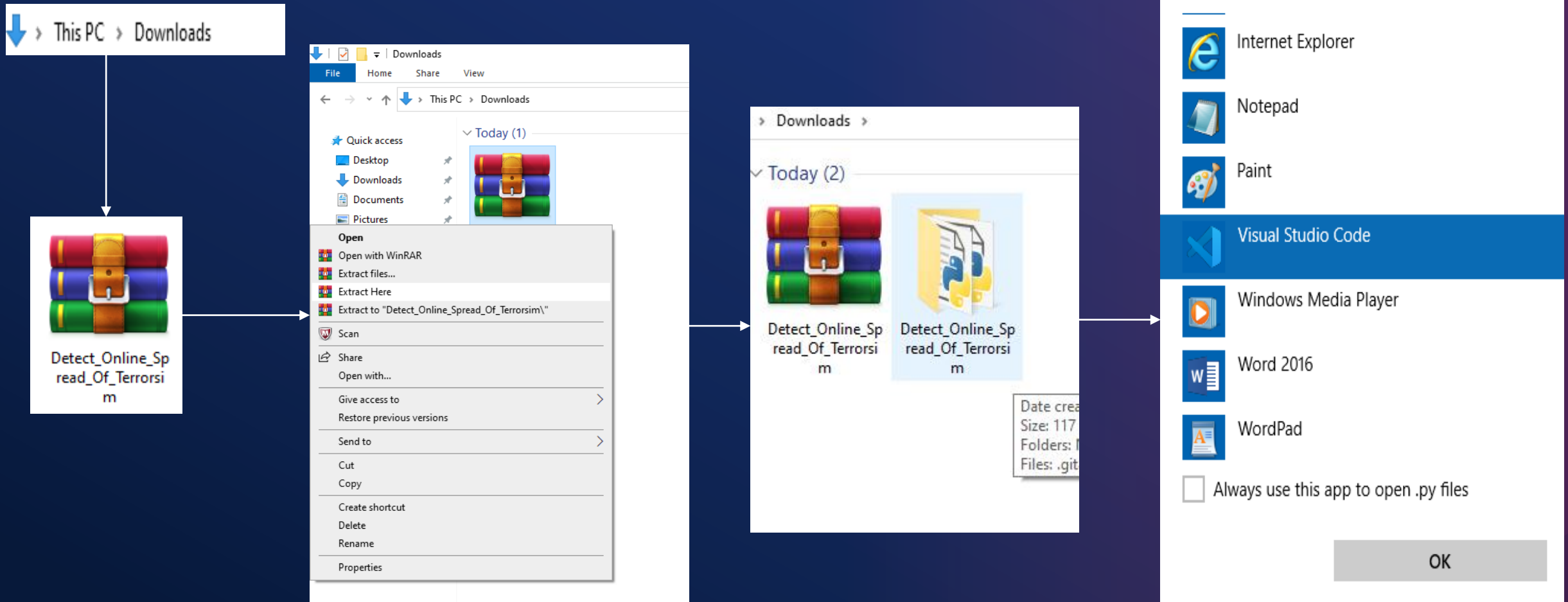Beautiful Soup is a Python library for pulling data out of HTML and XML files.

- Ttkthemes :

A group of themes for the ttk extenstions for Tkinter gathered together by RedFantom and created by various authors.
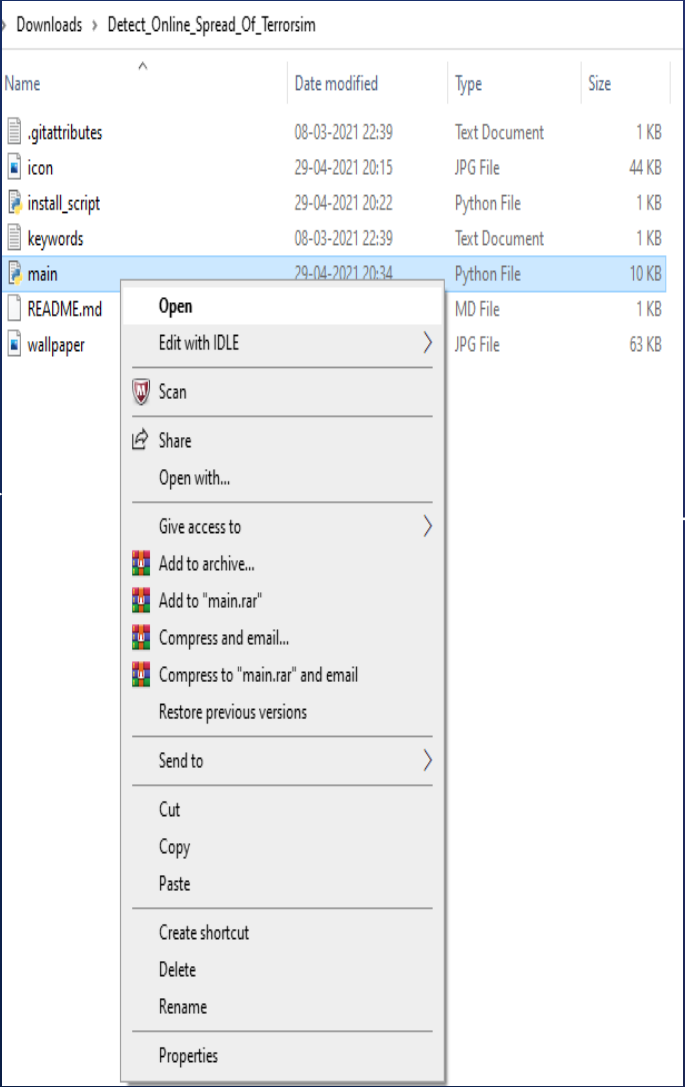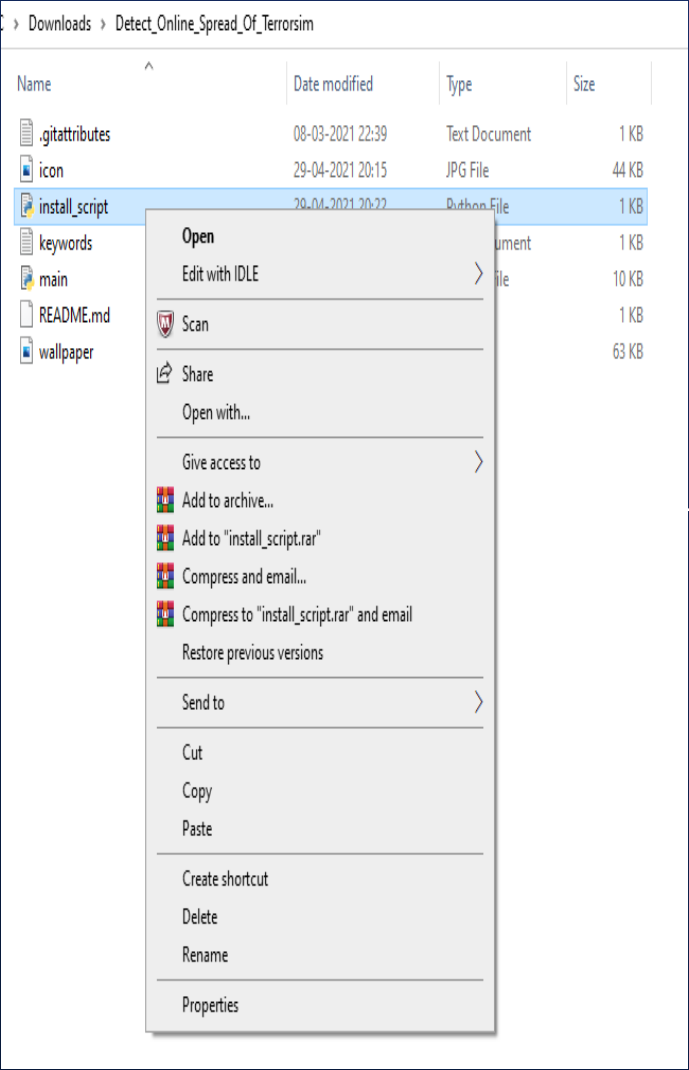
- Pillow :

The Python Imaging Library adds image processing capabilities to your Python interpreter. This library provides extensive file format support, an efficient internal representation, and fairly powerful image processing capabilities.

HOW TO OPEN APPLICATION

Note : Before using the software, the user must install all the libraries mentioned in the project and define the path for photos, keyword, icons.

DEMO VIDEO

Screenshots :-

Detect

Enter a webpage

Scan

Select your text file containing urls

Open and Scan

Back to Home

About

Detect

Enter a webpage

https://en.wikipedia.org/wiki/2008_Mumbai_attacks

Scan

Select your text file containing urls

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https://en.wikipedia.org/wiki/2008_Mumbai_attacks = 109

Keywords matched:
[["terror", 42], ["attack", 30], ["terrorism", 15], ["force", 5], ["shooting", 3], ["bombing", 2], ["violence", 2], ["pressure", 2], ["massacre", 2], ["assault", 2], ["threat", 1], ["crime", 1], ["destruction", 1], ["jihadi", 1]]
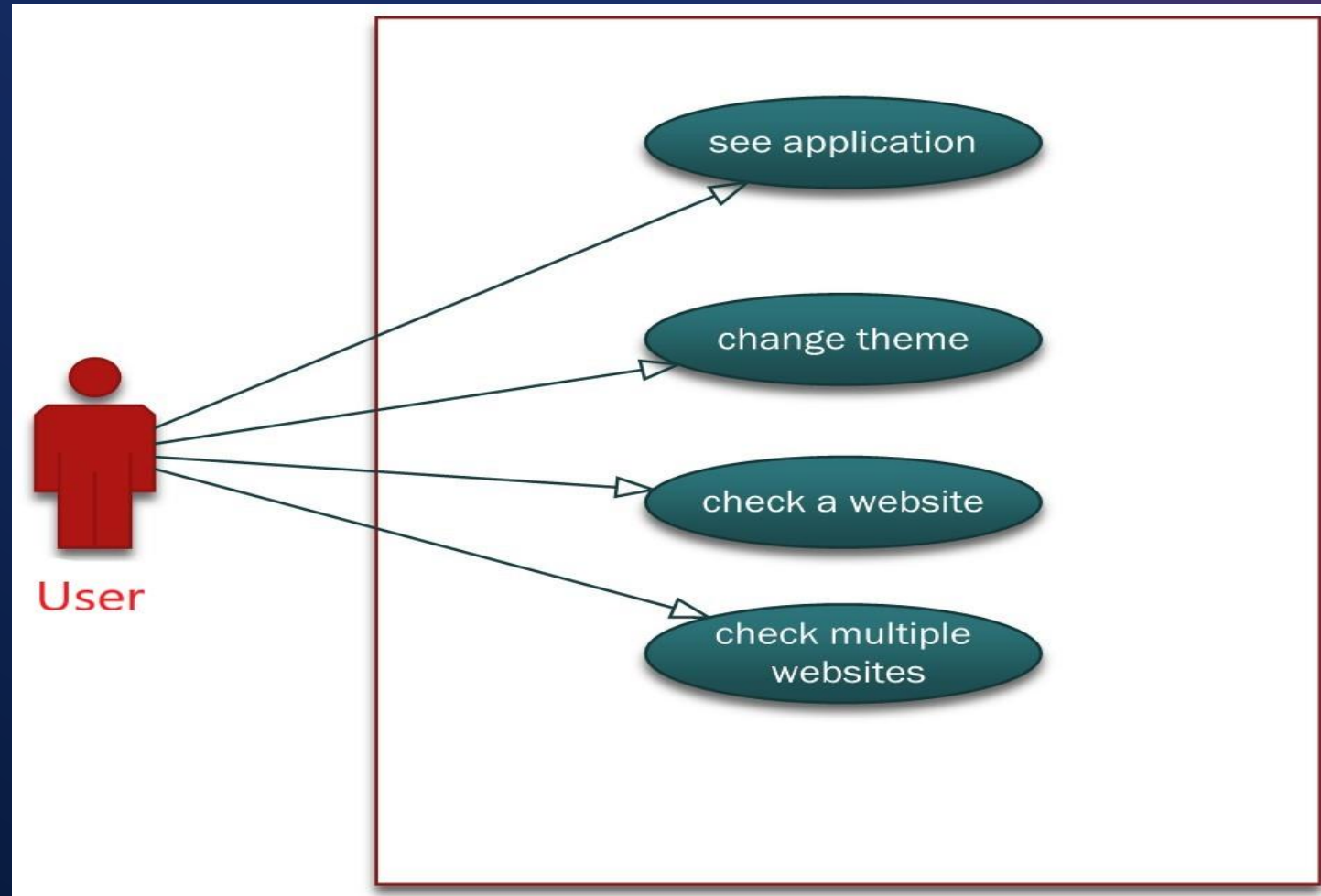
Back to Home

About

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Detect

Terrorism is, in the broadest sense, the use of intentional violence for political or religious purposes. It is used in this regard primarily to refer to violence during peacetime or in the context of war against non-combatants (mostly civilians and neutral military personnel). The terms terrorist and terrorism originated during the French Revolution of the late 18th century but gained mainstream popularity in the 1970s during the conflicts of Northern Ireland, the Basque Country and Palestine. The increased use of suicide attacks from the 1980s onwards was typified by the September 11 attacks in New York City and Washington, D.C. in 2001.

Cyberterrorism is the use of the Internet to conduct violent acts that result in, or threaten, loss of life or significant bodily harm, in order to achieve political or ideological gains through threat or intimidation. It is also sometimes considered an act of Internet terrorism where terrorist activities, including acts of deliberate, large-scale disruption of computer networks, especially of personal computers attached to the Internet by means of tools such as computer viruses, computer worms, phishing, and other malicious software and hardware methods and programming scripts. Cyberterrorism is a controversial term.

We use web mining algorithms to mine textual information on web pages and detect their relevancy to terrorism. This system will check web pages whether a webpage is promoting terrorism. Data mining is a technique used to mine out patterns of useful data from large data sets and make the most use of obtained results. Web mining also consists of text mining methodologies that allow us to scan and extract useful content from unstructured data.

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SYSTEM DESIGN

FUTURE ENHANCEMENTS

- As many terrorists communicate in keywords, there can be module where terrorists communicating in code words can be tracked by the system itself.

- We can display which keywords match.

- If multiple webpages are scanned at a time, they can be ranked based on their severity (keywords matched).

RESULT

❖This presents the detection of web based terrorist activities methods and Knowledge. This results the concepts and methods to detect terrorists and their behaviour and their supporters who supports for terror related activities in society using an Internet access.

CONCLUSION

❖ To check the threat of psychological oppression and to pulverize the online nearness of hazardous fear mongers associations like ISIS and other radicalization sites. We need a legitimate framework to detect and end sites which are spreading hurtful substance used to radicalizing youth and powerless individuals. This Project have been implement Web based Platform and Also, different attributes have been added to the project which will prove to be advantageous on the real time application of the system. This application can be implemented by any admin manager for distributing it to their administrators who can detect the spread of terrorism.

THANK YOU