# Project Breakdown

# Project 7, SRVEY2 Tor/Onion Hidden Service deanonymization techniques, Survey. Implement an attack against your own Onion service.

1. Abstract:

* Provide a brief summary of the survey paper, including the objective, methodology, and key findings.
* Mention the implementation of an attack against your own Onion service as part of the research.

2. Introduction:

* Introduce the topic of Tor/Onion Hidden Service deanonymization techniques.
* Explain the motivation behind studying and understanding these techniques.
* State the objectives and scope of the survey paper, including the implementation of an attack against an Onion service.

3. Literature Review:

* Conduct a comprehensive review of existing literature on Tor/Onion Hidden Service deanonymization techniques.
* Discuss different attack vectors, methodologies, and tools used for deanonymization.
* Analyze the strengths, weaknesses, and limitations of each technique.
* Highlight any gaps or areas for further exploration.

4. Methodology:

* Describe the methodology employed to conduct the survey and implementation of the attack against your own Onion service.
* Explain the criteria for selecting the papers and sources included in the survey.
* Provide details of the search strategy, databases, and keywords used to identify relevant literature.
* Discuss any inclusion or exclusion criteria applied during the selection process.

5. Survey Results and Analysis:

* Present the findings of the survey on Tor/Onion Hidden Service deanonymization techniques.
* Summarize the key information and statistics extracted from the selected papers.
* Use tables, graphs, or visual aids to enhance the presentation of the results.
* Analyze and interpret the results, identifying trends, common vulnerabilities, and countermeasures.

6. Implementation of Attack:

* Describe the implementation of the attack against your own Onion service.
* Explain the attack methodology, including the tools, techniques, and resources utilized.
* Discuss any ethical considerations and precautions taken during the implementation.
* Present the results and insights gained from the attack, including the degree of deanonymization achieved.

7. Discussion:

* Discuss the implications and significance of the survey findings on Tor/Onion Hidden Service deanonymization techniques.
* Compare and contrast the different attack methods and their effectiveness.
* Address any ethical, legal, or privacy concerns associated with these techniques.
* Identify potential countermeasures or improvements to enhance the security and anonymity of Onion services.

8. Conclusions:

* Summarize the key findings and contributions of the survey paper.
* Highlight the implications and future research directions in the field of Tor/Onion Hidden Service deanonymization.
* Emphasize the importance of ongoing efforts to strengthen the security and privacy of Onion services.

9. References:

* Provide a comprehensive list of all the sources cited in the survey paper and attack implementation.
* Follow the IEEE citation style for formatting the references.

# Work Distribution:

| NAME | WORK |
| --- | --- |
| ANITA FRANCIS ARCHIBONG | ABSTRACT AND INTRODUCTION |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |