Project Analysis Presentation



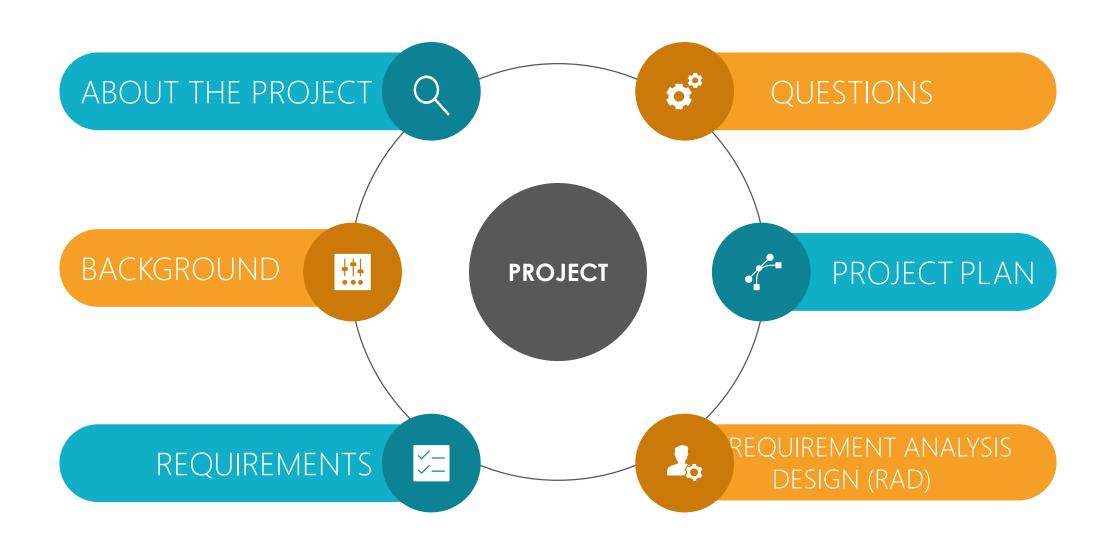
Web Defacement Monitoring Tool



Greetings! Lam Jia-Cong (Johnny) Hou

Currently studying Honours
You can find me in the WinLab E2

Overview



About The Project-



Educate the student about web defacement and security

What



How

Design, Code and Implement a Web Defacement Monitoring Tool



Who

Me, myself and I



<u>Supervisor</u>

Dr Michael Norman



Co-supervisor CSIR

> Muyowa Mutemwa

Background ·



US Department of Justice

1996 Website Defaced



SA Presidency government 2018 July 7 Website Defaced

Background ·

Humiliation and damage to reputation

Services disruption and information unavailable

Potential data breach

Objective

What must I do?



Web Defacement Monitoring Tool

User Requirements



Web Administrator

Website with media content



Linux operating system



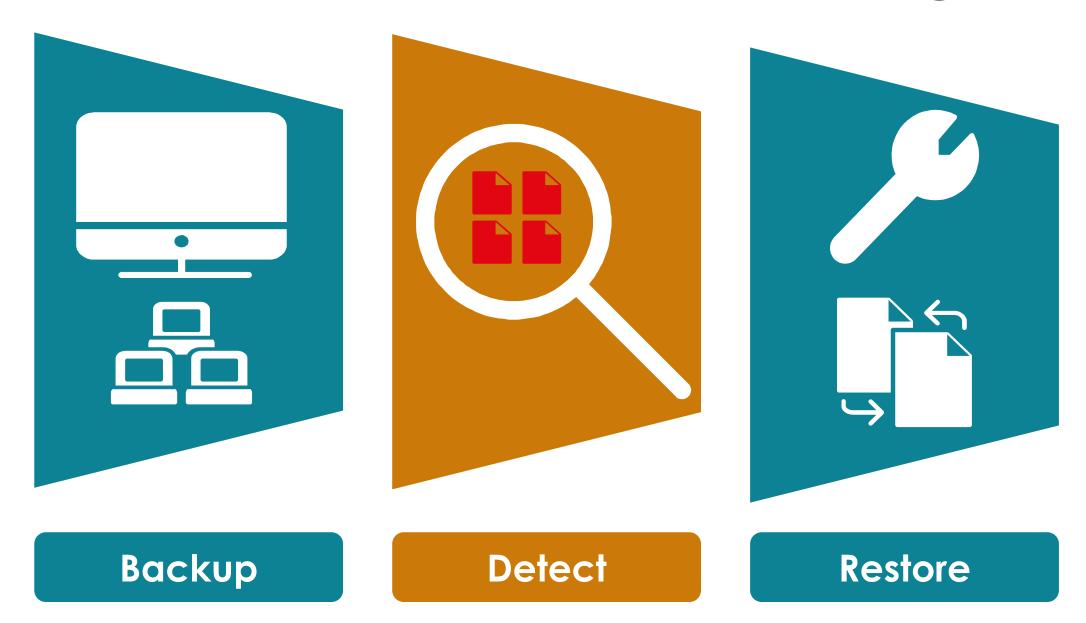
Install Python 3.7.3



./WDMT.py

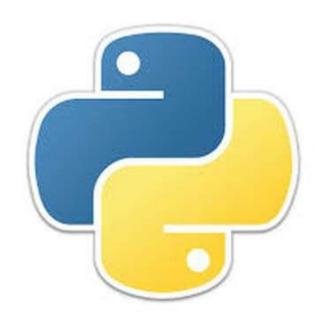


Requirements Analysis Design -



-Friendly "Neighborhood" - (2)

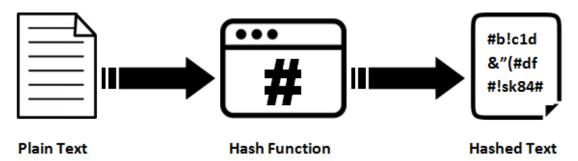












Project Plan

Term 1

- Project Analysis
- Requirements
- Requirement Analysis Design
- Project Plan
- Presentation

Term 3

- Project Implementation
- Test the WDMT
- Host (Maybe?) and Implement
- Demo
- Presentation

Term 2

- Project Design and Development
- Coding the WDMT
- Prototype and GUI in Report form
- Presentation

Term 4

- Project Testing, Evaluation and Presentation
- Improvise, Adapt and Overcome
- Presentation

Reference

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- [2] D. Dorothy, "Georgetown Journal of International Affairs," The Rise of Hacktivism, 2015 September 2015.
- [3] M. Mxolisi, "Presidency website up and running after hacking attack," News24, 7 July 2018. [Online]. Available: https://www.news24.com/SouthAfrica/News/breaking-presidency-website-hacked-20180707. [Accessed 6 March 2019].
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- [5] E. E. Enaw and D. Pagou Prosper, "A Conceptual Approach to Detect Webdefacement Through Artificial Intelligence," *International Journal of Advanced Computer Technology (IJACT)*, vol. 3, no. 6, pp. 77-83.
- [6] K. Tushar, "Implementing a Web Browser with Web Defacement," World of Computer Science and Information Technology Journal (WCSIT), vol. 1, no. 7, pp. 307-310, 2011.

