**Using Machine Learning to Detect Malicious URLs**

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**Initial Idea**

Cybersecurity has been a great issue worldwide. Through this project, we hope to gain insights of how important cybersecurity is and get hands on into machine learning technologies to also create a URL scanner for malicious urls to prevent exploitation and hacking.

**Requirements**

* GUI: NONE, CMD Line Interface
* Language: Python
* Platform: VSCode
* Machine Learning: Tensorflow, Pamdas Linear Python (Array)
* Tools: Kali Linux Tools to scan URLs
* External Libraries: TBD
* ETC: TBD

**Feasibility**

* Everyone on this team is learning python, ML, and the implementation of the process from scratch. We will focus on teamwork and value collaboration to complete this project

**Completion Date**

* We plan on getting our project done 2-3 days before its due date.

**Challenges**

* Cybersecurity is still considered a new broad field. As we face challenges and problems we shall break the project into smaller components to overcome them by smaller steps