Interim Planning & Investigation Report

# Aims and Objectives:

* Build a web extension to help detect phishing.
* Train an AI model to identify malicious URLs
* Interrupt web request when a malicious URL is detected by the extension, alert the user.
* URLs flagged as malicious will be added to a database, these can be manually checked by me.

# Requirements:

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| Requirement # | Requirement Detail | Priority (0 High – 3 Low) |
| FR1 | Train a Pythonic AI model to detect phishing URLs with at least 50% accuracy | 0 |
| Fr1.5 | Build a web extension that interrupts web requests and alerts the user to a phishing URL with at least 50% accuracy | 0 |
| FR1.75 | Build a web extension that interrupts web requests and alerts the user to a phishing URL with at least 75% accuracy | 1 |
| FR2 | Build a database of malicious URLs, use these for signature-based detection and as training data to improve the AI model | 1 |
| NFR1 |  |  |

# Deliverables:

# Chosen Approach:

# Plan:

# Research & Literature Review: