CSIT998 Project Description

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| Title: | Link Scanner |
| Brief Description (About 100 words) | Many web links are vulnerable due to security risks, threats, and attacks. For example, a linking website may be phishing or an insecure web page suffers from potential security risks. It is not straightforward to check across platforms, such as computers, tablets, and smartphones. Users may not be able to install security defense software (e.g., on public computers) for website verification.  This project aims to develop a mobile application that can simplify link scanning for different computing platforms. The application will perform comprehensive scanning on mobile phones and can check links via camera for other devices. The key functionalities should include:   * URL observation from browser or camera captures. * Link security analysis against common security risks. * Security notification * Comprehensive security analysis based on script level inspection.   Potentially reduce Ad intensive websites. |
| Who will receive benefits from this project | 1. A new way to check web links crossing devices. 2. Simplify website verification. 3. Protect web users on different types of devices. |
| How are these people (you will benefit) doing now without this project? Current challenges without this project. | Manually check online or depend on the availability of defending software on devices. |
| How can people benefit from this project? | * Automatic link scan on mobile devices * Simply scan and check any links via smartphone without additional installation or steps. |
| What are the big changes (improvements) before and after this  project? | This project will simply the web link scanning and checking process on different type of computing devices. It helps to improve web security and prevent potential risks for users. |