***LMS Information Security Assessment***

***Project Brief***

**Project**

* **LMS Information Security Assessment**
  + Problem: LMS systems sometimes contains links/references to 3rd party sites. Those sites are UNCONTROLLED content for Murdoch University
  + Develop a tool to scrape an LMS environment, discover all included course material – analyse that material and discover all external/3rd party references.
  + Summarise those references per LMS subject
  + Analyse and Assess those individual references against a cyber reputation site, that rates the risk of malware/bad content/poor reputation.
  + Provide a report to the LMS subject owner per subject, of the current status of the individual links in the LMS content, content reference etc
* Extension activity:
  + Copy the remote content and change the LMS content to point to a repository of stored material.
  + Stored material should provide academic referencing to APA7 standard (whatever Uni standard is per course) with date/time/author references etc that can be automatically obtained.
  + Link to original material should be provided, so end user of LMS can go authenticate material.
  + If link is toward a paywall/controlled access 3rd party site, then provide link AFTER a warning message about 3rd party content, as 3rd party content cannot be kept locally without an agreement.

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