Feasibility- Blackboard Extractor

CS 410 - Team Crystal
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Outline

Problem Statement

Manual Extraction of Blackboard Archives

The Current Process Flow

Our Solution

Revised Process Flow

Competition

References

Extracting Blackboard Archives (Problem Statement)

Professors have difficulty retrieving archived Blackboard courses' content after it has been exported to a Blackboard Course Archive.

Manually Extracting Blackboard Archives

Currently, extracting a Blackboard archive requires a professor to find an unused Blackboard course into which he or she can load the archive. The professor must then manually download course content, page-by-page. If the professor wishes for the content to be in a specific folder structure, this must also be formatted manually. This process must be repeated for each course archive.

Current Manual Process Flow

Plans For Our Solution

Our solution will be a web based application which allows a user to load a Blackboard Course Archive and explore the contents of the archive. The user will be able to view a website containing all of the contents of the course, or download a .zip file containing all of the extracted contents.

Revised Automated Process Flow

Need To Extract Archive → Load Archive Into Application → Automatically Extract Archived Contest As Web Site

Former Competition - bFree Blackboard Extractor

- Extracted Blackboard Archives and turns them into web pages
- Ran as a java web applet with a GUI that showed folder structure
- Is no longer supported
- No longer runs on any supported platform
- Little to no remaining documentation

References

Blackboard: http://www.blackboard.com/

Competition References

bFree: https://its2.unc.edu/tl/tli/bFree/index.html