Course Review Tool Project

Summary

Laurel Painter, Project Lead

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Description of tool

The tool is a program that runs as a Python computer application. The application automatically accesses and collects specific HTML data from an eLearn course shell's modules and pages via web scraping technology. The application is programmed to collect HTML data of content that aligns or does not align with selected course standards as outlined in the Instructional Design Department's Course Review Checklist.

Purpose of tool

The tool should significantly reduce time spent by staff on basic course review actions so that more time can be focused on reviewing course design and DEI elements. The tool will complete approximately 46% of the Course Review Checklist (see first five tables on page 2 below), plus, additional proofing (see first two items in Miscellaneous table) with limited involvement and time from the staff user.

Progress of tool development

Development of the tool, Phase 1, began in October 2021 with lead developer, Sunaira writing the fundamental code for the application. The application can access and collect data in the Course Overview module and a select number of pages within that module. The rest of the modules and pages within a developed eLearn course shell are projected to be programmed by June 1, along with a user prompt for login input, which will complete Phase 1 of the project.

The project's team has determined that the tool in its current state is supporting the purpose as stated above. Assessment of the tool's alignment with the purpose will continue with each phase of the project and then reported to the supervising manager, Melissa Hart.

The project requires two more phases for tool completion. Application enhancement with HTML data access and additional proofing will be completed in Phase 2. Also, the IT Department will be involved with providing server space to run the executable file for ease and efficiency of staff use. Phase 3 will be focused on enhancing the application for faculty use (via a browser) and possibly to provide further data analysis.

Completion of the Course Review Checklist with division of labor by entity for one eLearn course (approximate percentages, does not account for overlap which is minimal):

- Tool application, 46%
- Staff member, 42%
- Bb Ally application, 12%

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Phase Completions

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✔ = completed

X = in progress

Phase 1	Phase 2	Phase 3	Review Criterion
✔			All HTML pages use current CSS (found in code – font, spacing, etc.) (via Edit HTML only)
✔	X		Course uses current template and icons [?] (may be added to and altered; core concepts must be present)

Course Overview

Phase 1	Phase 2	Phase 3	Review Criterion
✔			Syllabus (via title field)
✔			Student Support & Resources (appropriate version[s] used)
✔			Welcome from the Instructor (must have page; may be placeholder)
✔			Course Overview Survey (via title field) (where applicable)

Content

Phase 1	Phase 2	Phase 3	Review Criterion
✔			Introduction and Objectives for each module (optional if only an assessment is added, and information is included on course alignment)
	X		List of activities for each module (module description)
✔			Learning Activities (where applicable) with connected text to purpose of activities
✔	X		Links are contextual; open in new window (recommended); are not broken (via Edit HTML only)

Accessibility and Citations

Phase 1	Phase 2	Phase 3	Review Criterion
	X		Media is accessible (videos include Closed Captioning or transcript; activities are keyboard accessible, etc.)

Assessments and Grading

Phase 1	Phase 2	Phase 3	Review Criterion
	X		Gradebook (or publisher alternative) is present
	X		Assessments have explicit directions; any linked files/directions open properly

Miscellaneous

Phase 1	Phase 2	Phase 3	Review Criterion
	X		All pages with << >> present in text
	X		All tables in HTML pages with blank cells or << >> present in text
X			User prompt for login credentials and course shell to be reviewed
	X		Runs from executable on Sinclair server
✔			Generates a human-readable report of review
		X	GUI that runs from browser
		X	Save data from review reports for further analysis

DEI section of Course Review Checklist is not covered by this tool