

OpenNJ: Collaborative Development, Usability Testing and Enhancement of an OER Repository

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Abstract

Among the most successful collaborative projects of New Jersey higher education institutions is the development and use of an open-source statewide repository for hosting and increasing visibility of adopted open educational resources (OER). While many institutions maintain their own OER through institutional or OER repositories, OpenNJ allows institutions without the capacity to manage and host OER. Also, OpenNJ is valuable to build a community of practice around OER, allowing educators to learn what is used already, so they may consider using them too. Whether original or adopted, OER or training tools for OER advocacy, the full text and links to external OER that OpenNJ holds are helpful towards increased state collaborations.

This poster reports on usability testing and describes recommended changes to functionality including enhancements to browse, search interfaces, and personalization features. A major enhancement is customization around creating new OER; the researchers are updating OpenNJ to incorporate a new Open Publishing platform with content creation, versioning, peer review, and interoperability with other learning tools.



Background

Research Question

Is the OpenNJ repository organized in a clear, understandable and usable manner?

Purpose

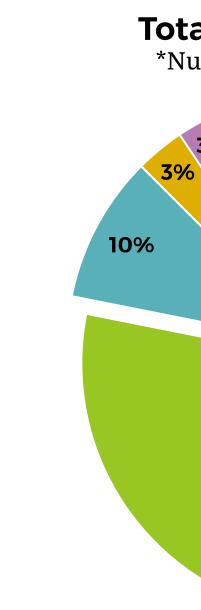
To gather user feedback on OpenNJ for usability and iterative design.

Basic Assumptions

Developers of OpenNJ assume it will offer users the following benefits:

- Provision of a statewide community of practice for educators interested in OER adoption
- Grants the ability to identify resources adopted or created for use in NJ
- Representation of all VALE institutions' OER content without institutional overhead
- Fosters familiarity with a repository system which useful for other digital library collections

Participant Demographics



Librarians
 E-Learning/Tech

Methodology

Testing Site: VALE Users' Confe Long Branch, New

Testing Date: January 8th, 2020

Testing Duration: 60 minutes

Participants were on of the three stra entry.

Participation in the selected.

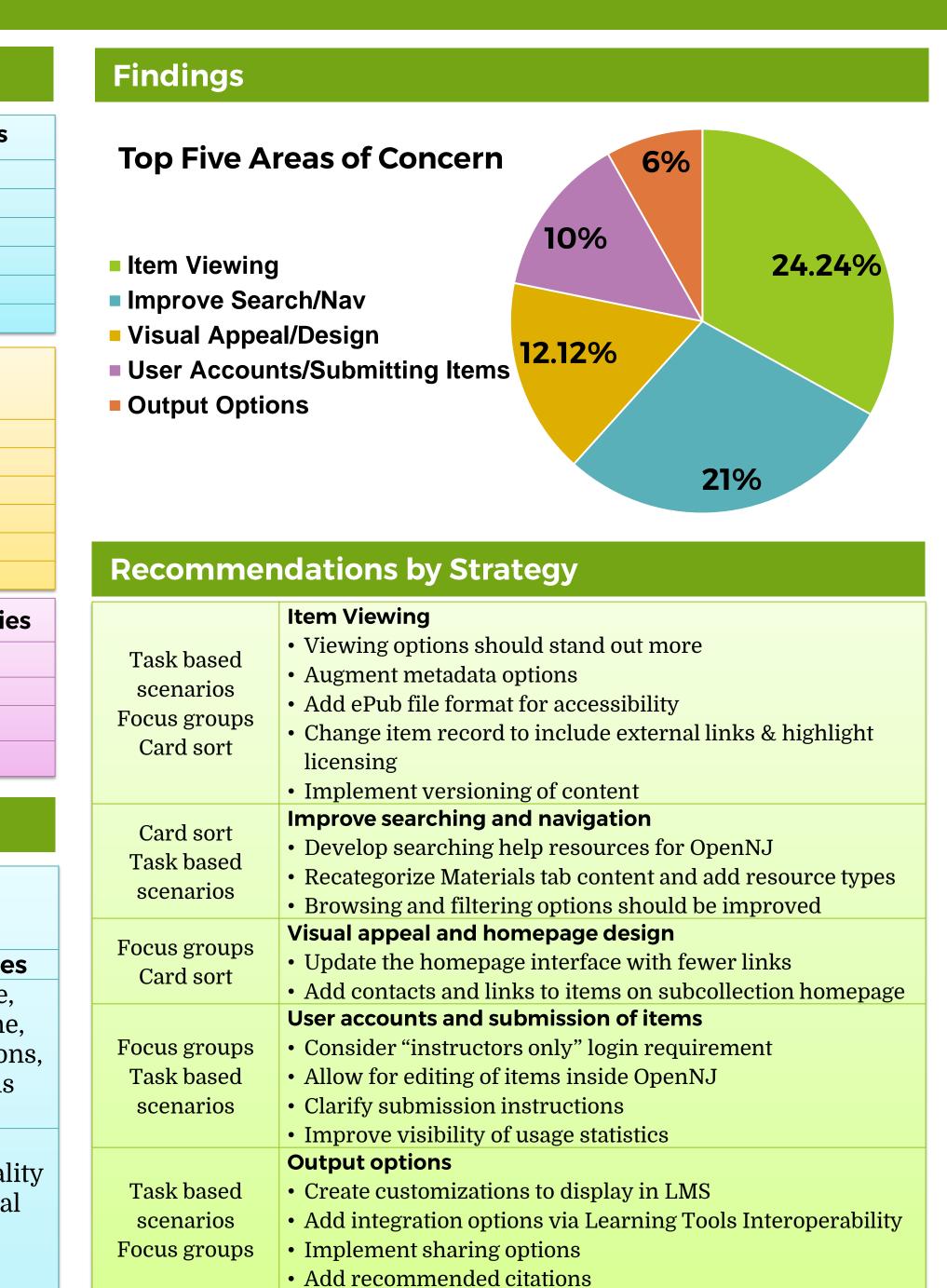
Data Analysis Process

Data was aggregated from the various testing types. Two cycles of coding--Process Coding and Pattern Coding-- were implemented resulting in emergent themes from participant feedback.

al Participants = 32*	Years of Experience with OER Materials	
umber of Institutions = 22	None	1
3% 3%	<1	5
	1-5	13
	6-10	5
	>10	3
	No answer	5
	Years of Experience with Digital Repositories	
	None	1
	<1	5
	1-5	13
	6-10	5
	>10	3
78%	No Answer	5
7070	Experience Level Using Digital Repositorie	
	Novice	10
 Admin Research/Tech Circulation/ILL Non-Identifying 	Moderate	19
	Expert	2
	No Answer	1

A	3-Pronged Approach to Data Collection and Usability Testing		
Strategy	Purpose	Focus Attributes	
ocus Groups	Identify user attitudes, reactions, and desires via moderated discussion	Whole website, repository name, submission options other functions	
Гask-Based Scenarios	Reveal desirable content types and functionality; assess ease of use, based on user behavior when completing tasks	Search functionality and institutional homepage	
Card Sorting	Evaluate information architecture, site organization; discover placement preferences: labels, and general navigation	Homepage, item records	
	Strategy ocus Groups Task-Based Scenarios	ocus GroupsIdentify user attitudes, reactions, and desires via moderated discussionTask-Based ScenariosReveal desirable content types and functionality; assess ease of use, based on user behavior when completing tasksCard SortingEvaluate information architecture, site organization; discover placement preferences: labels, and general	





Next Steps

- Site updates and functionality improvements are ongoing.
 The most significant changes will be made through the Open Textbook Collaborative (OTC) project.
 - See more: http://bit.ly/OpenTextCollabNJ.
- OTC is funded through the US Department of Education's *Fund for the Improvement of Postsecondary Education*, January 2021.
- The statewide project will focus on the LTI schema and development, development of an OpenPublishing tools for increased customization, and instructors only segment of the OpenNJ.
- Additional usability testing using Focus Group strategy for next steps programming.