

gathering evidence in information literacy assessment and evaluation



www.library.ualberta.ca/augustana/infolit/wassail/



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what the heck...is WASSAIL?

WASSAIL is:

- open source
- database-driven
- web-based application ...
- employing
 - PHP
 - MySQL, and
 - Javascript/AJAX technologies.



Now in English: Augustana's information literacy
assessment software that we share with others

what does WASSAIL do?



facilitates questionnaire / survey / test data



acquisition



storage



reporting / data analysis

So, everything is housed in one place which makes for ease of data protection, backup and use!

WASSAIL at Augustana



pre-/post tests



“one-shots”



WASSAIL at Augustana



pre-/post tests

survey of graduates

“one-shots”

customized surveys

WASSAIL basics

start with an empty database, then ...

add questions

create templates

input data

manually

via web “tests” / “questionnaires”

generate reports

demographics

limit to specific responses

quantitative and/or qualitative

add questions



1) Select type of question:


1. Type	2. Text	3. Categories	4. Tags	5. Answers
---------	---------	---------------	---------	------------

Choose which type of question you want:

- Single Answer**
Users will be able to select only one response from the provided answers.
- Multiple Answer**
Users will be able to select more than one response from the provided answers.
- Qualitative (Short)**
A single line text field will be provided for users to enter their responses.
- Qualitative (Long)**
A multiple line text field will be provided for users to enter their responses.

2) Enter question text:

1. Type	2. Text	3. Categories	4. Tags	5. Answers
---------	---------	---------------	---------	------------



Select the correct answer to the part of the citation that is in purple:

Dilworth, Thomas. "Infant Joy: Blake's Revolutionary Riddle-Poem."
English Language Notes 38.2 (2000) : 43-47. |

add questions (continued)



3) Select a category (e.g. controlled vocabulary):

1. Type	2. Text	3. Categories	4. Tags	5. Answers
---------	---------	---------------	---------	------------

Hold Ctrl while clicking to select multiple categories

- NONE
- 1. Participant Demographics
- 2. Current Information Behaviour Profile
- 3. Self-Efficacy
- 4. Course/Session/Instructor Evaluation
- 5. Catalogue
- 6. Periodical Databases/Indexes
- 7. Social Media
- 8. Keywords
- 9. Controlled Vocabulary
- 10. Evaluation Of Information (See also 7, 16)
- 11. Classification and Organization Systems (See also 12)
- 12. Call Numbers (See also 11)
- 13. Publications (See also 14, 15, 16, 17, 18)
- 14. Periodicals (See also 13)
- 15. Reference Materials (See also 13)
- 16. Web Resources (See also 13)
- 17. Monographs (See also 13, 24)
- 18. Audiovisual Materials (See also 13, 24)
- 19. Search Operators (See also 20, 21, 22)
- 20. Nesting/Proximity (See also 19)
- 21. Truncation/Wildcard (See also 19)
- 22. Boolean (See also 19)
- 23. Ethical Use of Information (See also 24, 25, 26, 27)
- 24. Citation (See also 23)
- 25. Plagiarism (See also 23)
- 26. Paraphrasing (See also 23)
- 27. Copyright (See also 23)

Categories elected here:

Publications
Periodicals
Citation

4) Add tag(s) (e.g. standard indicator, keywords, etc):

1. Type	2. Text	3. Categories	4. Tags	5. Answers
---------	---------	---------------	---------	------------

Separate tags with commas. All tags will be converted to lowercase.

mla, acrl1.2.c, acrl2.5.d

Tags entered here:

MLA, ACRL1.2.c and ACRL 2.5.d

add questions (continued)



5a) Enter
custom
answers:

1. Type	2. Text	3. Categories	4. Tags	5. Answers	
Add scaled answers...		Add commonly used responses			
<input type="text"/> + Add new answer					
1.	↑	✓		Journal title	🔒
2.	→	✓		Publication year	🔒
3.	↓	✓		Issue number	🔒
4.	↓	✓		Article title	🔒
5.	↓	✓		Page numbers	🔒
6.	↓	✓		Volume	🔒
7.	↓	✓		Author	🔒

Answer #2 is correct and indicated here
with a green arrow and in reports with a gold bar

add questions (continued)



5b) OR...
enter answers provided by WASSAIL:

scaled answers

Strongly Agree	➡	Strongly Disagree
Never	➡	Often
Poor	➡	Good
True/False		

commonly used responses

- I am not sure
- I do not know
- I prefer not to answer
- Not applicable

add questions (continued)



The
summary is
updated as
different
components
are entered

Type

Text

Categories

Tags

Answers

Note, if relevant, the
correct answer indicator

Summary/Save

Type
Single Answer
Users will be able to select only one response from the provided answers.

Text
Select the correct answer to the part of the citation that is in purple:
Dilworth, Thomas. "Infant Joy: Blake's Revolutionary Riddle-Poem."
English Language Notes 38.2 (2000) : 43-47.

Categories
13. Publications (See also 14, 15, 16, 17, 18)
14. Periodicals (See also 13)
24. Citation (See also 23)

Tags
mla, acrl1.2.c, acrl2.5.d

Answers
1. Journal title
2. **Publication year**
3. Issue number
4. Article title
5. Page numbers
6. Volume
7. Author

group questions into templates

Pre-test MUS 228 Win 2010



Template
name



OS SCA 141/241 Win 2009

1. status:
2. Gender:
3. Age range:
4. Did you attend Augustana last year?
5. Last year, on average, I used the Augustana Library: (check one please)
6. How often do you use e-mail?
7. How often do you use the World Wide Web to find information?
8. On average, how successful have you been using the World Wide Web to find information?
9. The primary use of the NEOS Catalogue is to:
10. On average, how successful have you been using the NEOS Catalogue to find information?
11. An electronic periodical index/database is used to:
12. On average, how successful have you been using periodical indexes to find information?
13. The most current information on a topic to be researched would be found in:
14. A bibliography is:
15. A generic term for magazines, journals, newspapers and serials is:
16. This is a citation to:

Atkinson, Austen. Lost Civilizations: Rediscovering Ancient Sites Through New Technology. London: Pavilion, 2002.

1. Your Year of Study:
2. I learned something new in the Library instruction session.
3. I think I can apply the information from this session in my research assignment/paper.
4. The amount of material covered was suited to the time allotted.
5. I found the information was presented in a clear and well-organized manner
6. I found the librarian's presentation of the material interesting and engaging.
7. I feel more comfortable approaching a reference librarian as a result of this session.
8. What is one highlight for you from this session?

Template questions

make template into web form

1) Your Year of Study:

- 1st
- 2nd
- 3rd
- 4th
- other

2) What is one highlight for you from this session?

B *I* U ↶ ↷ [a](#) ↻

I really appreciated learning this just in time to do research for my paper.
I feel a lot better now. Thanks!

3) I think I can apply the information from this session in my research assignment/paper.

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
- I prefer not to answer

4) The amount of material covered was suited to the time allotted.

- Went too fast
- A bit too fast
- Just right
- A bit too slow
- Went too slow
- I prefer not to answer

SUBMIT



make template into web form (continued)



Web forms can:

Be public or password protected

Facilitate document/assignment upload

Have an expiry date

Send new submission confirmation emails

And more ...

generate reports



a) Reports are run using a combination of criteria including:

Template name(s)

Course (s)

Year(s)

Term(s)

Type(s) of "test" – pre/post, one-shot, survey

Template(s)	Course(s)	Year(s)	Term(s)	Type(s)
<input type="checkbox"/> Shrink Template/Course/Year boxes				
--Any--	--Any--	--Any--	<input type="checkbox"/> Spring	<input type="checkbox"/> Pre-test
call number test	ART 228	2010-2011	<input type="checkbox"/> Summer	<input type="checkbox"/> Post-test
Demo at LOEX	BIO 210	2009-2010	<input type="checkbox"/> Fall	<input type="checkbox"/> One shot
Information Literacy Survey - Pre-test	MGT 212	2008-2009	<input type="checkbox"/> Winter	<input type="checkbox"/> Survey
NG PSQ	CHE 210	2007-2008		
NG test	CRI 260	2006-2007		
One-shot evaluation	EBSS ACRL	2005-2006		
One-shot evaluation-2	ECO 212	2004-2005		
OS ART 223 Win 2007	ENG 204	2003-2004		
OS BIO 110 Win 2009	ENG 201	2002-2003		
OS BIO 253 Fall 2007	ENV 210	2001-2002		
OS BIO 274 Fall 2007	FRE 210			

generate reports (continued)



b) Reports provide quantitative analysis and qualitative summaries

Student Profile		Responders: 1157
Year of study status:		Responses: 1150
(1209) 1st year		1% 12
(1210) 2nd year		45% 514
(1211) 3rd year		35% 407
(1212) 4th year		19% 217
Choose a characteristic of peer reviewed/refereed journal articles:		Responders: 1157
		Responses: 1105
(1252) written by free-lance journalists		8% 83
(1253) contains advertisements		0% 2
(1254) evaluated by experts before being published		76% 842
(1255) I don't know		16% 178

What is one highlight for you from this session? (Enter response below)

Showing how to search databases effectively. I feel confident that I can apply this knowledge to my next research assignment.

How to find electronic resources (ERIC, newspapers, etc.)

How to search using boolean operators to get better search results.

Learning that you can search newspaper articles on the internet from all over the world.

I feel more comfortable approaching a reference librarian now if I have a research question.

I found the amount of resources given very helpful.

Learning about boolean operators, truncation and phrase searches.

Finding out about browsing through the library stacks using the catalogue.

RefWorks.

That I can browse the catalogue from home using the call number of another book.

gains analysis



Compares the quantitative results from a pre-test to a post-test

Question/answers	PRE-test responses		POST-test responses		NET change			
		Set 1 count: 271		Set 2 count: 243	Difference			
Identify the issue number in the following citation. Williams, Robert J. "Parental awareness of adolescent substance abuse." <i>Addictive Behaviors</i> 9.4 (2003) : 803-7.								
(5716) 803		4%	11		2%	4	-2%	-7
(5717) 7		3%	9		2%	6	-1%	-3
(5718) 9		32%	87		23%	56	-9%	-31
(5719) 4		29%	79		69%	167	40%	88
(5720) I don't know		31%	85		4%	10	-27%	-75

40% increase
from
pre- to post-test

	-2%	-7
	-1%	-3
	-9%	-31
	40%	88
	-27%	-75

administering WASSAIL



behind the scenes there are 3 basic points:



installation

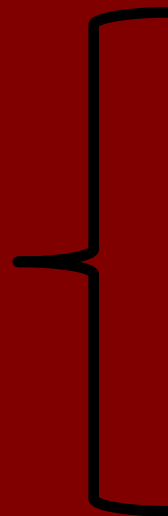


instance



users

levels
of
access



- read
- write
- write unconditionally
- reports
- edit help
- modify accounts

ACRL innovation award ...



WASSAIL was the 2010 winner of the
Association of College and Research Libraries'
Instruction Innovation Achievement Award

(presented in Washington, DC, USA at the
American Library Association conference)



More
information:

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