

Sakai 19 Straw person

Draft candidate from SakaiCamp 2018

BHA Ideas:

- UPgrade JSF (big Samigo implications)
- Prepare Lessons to be more agile

Big Ideas

Set up an Apereo Working Group to think about the future of digital learning technology

- Rubrics
- Contributions from Dayton, UVa, and Western
- Instructor controlled "open" vs "closed" access not just per site, but more granularly, per tool
- Continue modularizing, reduce "sakai" toolset in favor of LTI tools
- Re-architect to deploy in the cloud, auto-scale in the cloud
- Release schedule change?
- Resources - updated interface, doc/image preview, persistent links (won't break when moved to different folder)
- Google Docs Integration - Check out Scriba - Google Docs
- Google Groups Integration
- Turnitin LTI from Western Ontario (has been running in prod for 1 year).
- Drag and Drop on All Upoad tools
- Drag and Drop for all list of things (reordering)
- Box / S3 / Azure
- thing on the right side of the editor (Canvas picker aka Entity Linker)
- configuration on the fly within Sakai (Earle) - new tool. (will allow tool descriptions to be edited)
- surface a different selection of tools based on a site properties (NYU)
- add tool config to DB
- better description of tools (in Edit Tools)
- merge edit tools and page order & merge groups and add participants (Western)
- disentangle site description from home page text (Western)
- remove the word sakai from UI (Western and others?)
- site stats admin summarising tool usage over whole system (Matt Clare)
- improved reading lists (see below)
- put more text into Elastic Search (Earle), event data in ES
- search box in top bar (or floating search bar)
- drive distribute cache model home by removing clustered event model (no more local caches)
- improve search so it's easy to search within one tool
- improve what happens when you click on the results of a search

Out of Scope

New/Enhanced Capabilities

Summary	JIRA / GitHub	Notes and next steps
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Tool Responsiveness (in terms of responsive ui)		<p>Each Sakai tool needs to be Responsive. Is there a master JIRA for this need?</p> <p><input checked="" type="checkbox"/> SAK-27774 - Switch Sakai to Inlining Tools By Default CLOSED</p> <p>This could be used as a Master Jira? Might be worth a discussion.</p> <p><input type="checkbox"/> SAK-32016 - Morpheus UX Issues Affecting 11.2 OPEN</p>
Consistent date / time widget across all tools	<p><input checked="" type="checkbox"/> SAK-28014 - Some tools are still missing the datepicker change RESOLVED</p>	
Lessonbuilder UI refinements / interactions with other tools		
Audio and Video media player embedded within News and Podcasts tool	<p>https://github.com/steveswainsburg/simple-rss-portlet/issues/8</p>	
Admin UI for properties management	<p><input checked="" type="checkbox"/> SAK-22313 - Configuration changes should be allowed via an admin UI OPEN</p>	
Search and replace of links to files stored in Resources in the current site when a site is duplicated	TBC	Go through all tools (except SAMIGO but including Mname) when duplicating a site - regular and short URLs are edited to point at the corresponding Resource in the new site as site duplication is taking place. Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer. (Oxford doesnt use SAMIGO.)
ban use of the word "Sakai" in UI		
Resources (and other tools) as IMS Content Item Tool Provider		
enhancement of anti samy to allow "trusted javascript" to be used		allow javascript to be used to provide jstree-based content browsing widget to be added to HTML pages. Also allow a slide show widget to be added to HTML pages
new turnitin LTI (content review) integration		Oxford?
Internet2 grouper integration		
Resources document preview		NYU
Randomize question /distractors in questions from Samigo quiz parts interface	<p><input checked="" type="checkbox"/> SAK-34671 - Add answer randomization for parts AWAITING REVIEW</p>	Markup text is a great feature of Tests & Quizzes, but instructors are very often left randomizing the questions afterwards - making that one feature the cause for many many clicks, it what was otherwise a simple process (dependent on JSF upgrade)

Specifications Compliance

- IMS Sensor API (Caliper Framework) - IMS Spec not done
- IMS CC 1.3 (actually in 10.1)
- IMS LTI Advantage

Proposed Deprecations/Removals 19

- Remove all "standalone" code in Samigo - (dependent on JSF upgrade)
- Remove support for HSQLDB 1.8. **SAK-28053** - Remove support for HSQLDB (1.8) **OPEN** Some tools currently aren't working with this old version and nightly is still running it, new nightly will be just Oracle and MySQL. It's possible H2 or HSQLDB 2 could be used in it's place
- SAK-23674** - Replace the use of HSQLDB with H2 using mysql compatibility mode **OPEN** but old .sql scripts (mostly in kernel) wouldn't be useful.
 - Leave unit tests for now, ideally upgrade these.

Proposed Deprecations/Removals 19

- Gradebook Classic removal
- rWiki ?

Infrastructure Changes

- JSF upgrade
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Stretch goals

- Consistent gradebook linking between tools
- Portfolio: Karuta services
- Tomcat standard deployment - classes
- Google calendar integration (UMich) - available as a Contrib tool.
- Forums: tool simplification - NYU has interest but not a priority at the moment.
- Integration: Google Drive
- rWiki: Perl conversion script to replacement wiki - This is intended as conversion scripts to move content, but we do not have a new wiki defined yet.
- Events: refine event tracking for enhanced analytics. Nobody assigned yet.
- Give Students access to their own activity in Statistics
- Add support for PostgreSQL? MySQL and Oracle both owned by the same company. (Lots of great, promising MySQL forks though) .

Wish List

- Connect to cloud file storage like Google Drive, Dropbox, S3 from Resources
- "Search (this site)" box at top of portal so it shows on every page
- Improve groups management to allow people to paste in group memberships
- Exploit Entity Broker interfaces by writing plugins for CK Editor, eg, resource listing widget, embed poll in iframe widget.
- Filter out duplicate events in the collated view of a user's calendars in My Workspace (esp. term dates)
- (**SAK-28046** - Add URL submission type; support Open Graph **AWAITING REVIEW**) URL as a student submission type to Assignments - ie. Submit a domain of someone's own as the assignment artifact <http://something.com> or a journal/blog post <http://mfeldstein.com/villanova-distance-learning-task-force-attribution/>
- Add calculated itemized marking rubric to Assignments' Supplement Items
- allow assignments to be set with no close and accept until date
- help with printing iframe - place printer icon at top of iframe. Still may be an issue after iFrame removal. Printer specific CSS. investigation needed. Could be a useful feature for Sakai 11.
- Option for watermarks in Samigo for forensics on sharing screenshot'ed questions. If resources available, sure.
- D3** <http://d3js.org/> into Forums tool instead of SNAPP - Changed from SNAPP since Java Applets are no longer a good idea.
- UI for how many of which tools are deployed. Based on the queries often used for Sakai global tool surveys, but could inform app administrators, teaching centres etc. (not just DB).

- Promote reuse. More public faces. Easy import/export of all content in microformats. Opportunity to add a OSI or CC licence to content as created