Sakai 11 straw man

An initial open discussion regarding Sakai 11 priorities was held at the Phoenix Apero Camp, 29 January 2014. A straw man list of proposed improvements and changes surfaced during the discussion is outlined below. Contributors are encouraged to add/edit items to the list. However, no item below should be considered a Sakai 11 deliverable until firm development commitments are secured.

See: ➕ **SAK-29008** - Feature requests needing merging/consideration for Sakai 11 `CLOSED`

New/Enhanced Capabilities

Summary	JIRA / GitHub	Notes and next steps
Dashboard / Mobile Dashboard	☑ **SAK-27929** - Move Dashboard into Sakai 11 Build `VERIFIED`	In trunk but needs house-keeping. UMich might be able to help in December /January but if someone else could pick this up? Maybe we need documentation on setup? (from Sakai core team notes 10/23/14 - Neal) Dashboard Contrib tool - Home
Frameless Portal / Morpheus	☑ **SAK-25773** - Morpheus clean up `RESOLVED` ☑ **SAK-27774** - Switch Sakai to Inlining Tools By Default `CLOSED`	Morpheus is merged into trunk and is still in progress. An (older) version of Morpheus is on display on a Marist server.
Tool Responsiveness (in terms of responsive ui)		Each Sakai tool needs to be Responsive. Is there a master JIRA for this need? ☑ **SAK-27774** - Switch Sakai to Inlining Tools By Default `CLOSED`
Samigo "Hotspot" que stion type	➕ **SAK-34825** - New question type - image map `RESOLVED`	Questions exist about QTI import/export and duplicate site support. (from Sakai core team notes 10/23/14 - Neal). Update duplicate site has been tested but still issues with QTI remain. 10/28/14 - Neal.
Consistent date / time widget across all tools	☑ **SAK-28014** - Some tools are still missing the datepicker change `RESOLVED`	As of 2014/11/05 some dates in gradebook, chat and syllabus still need updating. RSF tools should be updated to use the RSF date picker. (lower priority)
Gradebook Enhancement Project	❤️ **SAK-28181** - New gradebook for Sakai 11 `CLOSED`	New gradebook UI developed by NYU. Ground up design. Speed grading, accessiblity and usability is the focus.
Lessonbuilder UI refinements / interactions with other tools		Related to this, the **Lessons Enhancement Project** overseen by Josh Baron on behalf of Sakai T&L produced a new design, which was the basis for the new Lessons UI. In addition, changes came from the developer and ongoing tests from Sakai T&L. The result is a significant redesign of the UI, with new capabilities such as multicolumn formats.
Audio and Video media player embedded within News and Podcasts tool	https://github.com /steveswinsburg/simple-rss-portlet/issues/8	Still possible for Sakai 11 per email discussion Neal C. and Steve S. 11/3 /2014 .
Mocks cleanup	☑ **SAK-39680** - Remove sakai-mock project `RESOLVED`	Moving most of the mocks into the Kernel , sub-project of Kernel. Clean up some stuff from Search. Modify KNL api doesn't. Infrastructure build related. For unit testing. Not necessarily going to hold up 11.
Admin UI for message bundle management	🔲 **SAK-28952** - Create new admin tool to edit stored Message Bundle data `RESOLVED`	Still on target for Sakai 11 per Sakai core team meeting 10/23/2014. In contrib at https://source.sakaiproject.org/contrib/rsmart/messagebundle per 🔲 **SAK-18984** - port message bundle editing tool into contrib `CLOSED`

Admin UI for properties management	➕ **SAK-22313** - Configuration changes should be allowed via an admin UI `OPEN`	Still on target for Sakai 11 per Sakai core team meeting 10/23/2014.
MathJax	➕ **SAK-22384** - Support MathJax Rendering Across Sakai `RESOLVED`	Check with Matt Clare (also Matt B.) from Brock, from Sakai core team notes 10/23/14. Disabled by default but the functionality is in 11, still a few open issues.
Java 7	⚡ **SAK-28016** - Make Java 7 the default language syntax and minimum build version `CLOSED`	Default and minimum
Java 8 support	🔷 **SAK-25771** - Fix build to work with JDK8 (still run on 6/7, still build on 6) `CLOSED`	Semi-supported, plan for full support. Currently known issues with reflectutils in entitybroker, signup and possibly other tools. 🔷 **SAK-26078** - upgrade reflectutils to be JDK8 compatible `VERIFIED`
Common Cartridge available outside of Lessons tool	⚡ **SAK-28031** - update common cartridge import to use the CC code from import `VERIFIED`	Except for unusual cartridges, it will still create lessons, since the CC spec defines a presentation that is best represented that way.
Public access to sites	💟 **SAK-28084** - Easy addition of public access to sites `VERIFIED`	Oxford has a lot of patches to grant access to site per Sakai core team notes 10/23/14
OAuth	💟 **SAK-22278** - Add OAuth capabilities to EntityBroker direct servlet `RESOLVED`	Need to check with Oauth incubation.
CK Editor Auto Save	➕ **SAK-22495** - Add support for Auto Save to CKEditor `RESOLVED`	Previously a wish list item. Rutgers is using CK Editor auto save and is sharing information on their configuration.
Role-based access to sites	💟 **SAK-29401** - Role-based access to sites `RESOLVED`	Implement a new Sakai interface "Role Provider" which can be used to supply new roles (in addition to the default .anon & .auth) that can be used to protect a site.
Role-based access to Resources	💟 **SAK-29402** - Role-based access to Resources `VERIFIED`	Allow Role Provider to protect Resources (depends on 💟 **SAK-29401** - Role-based access to sites `RESOLVED`)
My Workspace / Dashboard calendar Private URL should have a better name	💟 **SAK-29447** - My Workspace / Dashboard calendar Private URL should have a better name `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
LTI add username as custom launch data	🟧 **SAK-23995** - Allow displayId to be passed in the BasicLTI launch `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.

Make launch text on LTI tool more user friendly	♥ **SAK-29445** - Make launch text on LTI tool more user friendly `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
'access servlet' displays hidden files	🟥 **SAK-29435** - 'access servlet' displays hidden files `CLOSED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
Improve UI of 'access servlet' view of resources	♥ **SAK-29434** - Improve UI of 'access servlet' view of resources `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
Add text to webdav page about setting copyright of any uploaded files.	♥ **SAK-29394** - Add text to webdav page about setting copyright of any uploaded files. `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
edit details page for file in resources should use Display Name instead of Name	♥ **SAK-29393** - edit details page for file in resources should use Display Name instead of Name as label for first box `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
improve choice of styles facility for HTML page	♥ **SAK-29389** - improve choice of styles facility for HTML page `RESOLVED`	use a property to hide the new styles. they should be hidden by default. Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
Suggestion / Feedback tool	♥ **SAK-29271** - Suggestion / Feedback tool `CLOSED`	a few changes need to be made by Oxford before committing. Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
Improve site browser UI	☑ **SAK-29411** - Improve site browser UI `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
Make Site Page Link (in resources) shouldn't include the hostname in URL	🟥 **SAK-29237** - Make Site Page Link (in resources) shouldn't include the hostname in URL `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
When copying reading list between sites one should duplicate the reading list.	🟥 **SAK-22665** - When duplicating a site one should duplicate the reading list. `VERIFIED`	a little more work needed by Oxford. will be complete by March 2016
allow IMS Basic LTI to work with a non-logged in user	🟥 **SAK-29444** - allow IMS Basic LTI to work with a non-logged in user `CLOSED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.
Access servlet fails to render the display name of Weblink resource if the owner no longer has an account	🟥 **SAK-29436** - Access servlet fails to render the display name of Weblink resource if the owner no longer has account `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer.

Force site update after adding tool	**TII-185** - Force site update when a tool is added to a site `RESOLVED`	Code being committed on behalf of Oxford by Adrian Fish or Miguel Carro Pellicer
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 Mneme) 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.)
new implementation of "Browse server" - ie, the CK Edit "widget" to Browse Resources, Forums etc	TBC	Almost compete (finished by March 2016)
ck editor widgets for: vimeo, youtube, creative commons & twitter	**SAK-29705** - Add 4 new ck editor buttons: YouTube, Vimeo, Creative commons images and Twitter `CLOSED`	Will not be pursued.
Cookie warning pop up	**SAK-29457** - Add warning about cookie use `CLOSED`	Warning that Sakai uses cookies, disappears after first login.
Harmonising terminology		Harmonising and Improving Terminology
Public Announcement System	**SAK-29422** - Incorporate NYU's "public announcement system" into Sakai 11 `RESOLVED`	
New Resource Browser	**SAK-29884** - Support elfinder as browser for CKEditor `RESOLVED`	new resource browser
new reading list UI	**SAK-29974** - New UI for Citation Lists (both edit and view) `VERIFIED`	new reading list UI

Specifications Compliance

- LTI 2.0+ grading and roster services - IMS spec not yet done
- LTI 2.0+ service registry for internal services
- LTI 2.1 - Likely will make Sakai 11
- IMS Sensor API (Caliper Framework) - IMS Spec not done
- IMS CC 1.3 (actually in 10.1)

Proposed Deprecations/Removals

- OSP / Warehouse / Metaobj - Deleted for 11
- PDA Portal - Deleted for 11
- Remove all "standalone" code Gradebook - Done for 11
- Remove all "standalone" code in Samigo - Not yet done
- Remove axis web services - Done for 11
- Remove XSLT portal SAK-29179 - Done for 11
- 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.

Uncertain status

- rWiki (stealth); uncertain status. General consensus is to keep rWiki alive through Sakai 11 but this may take some work.
  - Based on Apereo Wiki BOF there will be an investigation of possible integration of xWiki with Sakai.

Infrastructure Changes

- Transition from SVN to Git; host repos at Github (Summer 2014); single sakai "core" repo;
- Contrib projects encouraged to migrate but not a hard requirement

Stretch goals

- ~~Project Keitai Phase 2~~
- LTI resource picker button for CkEditor (csev)
- Gradebook rubrics
- Consistent gradebook linking between tools
- Grading: new front-end (NYU) - Done for 11
- Portfolio: Karuta services
- Tomcat standard deployment - no volunteer currently per Sakai core team 10/30/2014.
- Google calendar integration (UMich) - available as a Contrib tool.
- ~~Forums: tool simplification - NYU has interest but not a priority at the moment.~~
- ~~Integration: Google Groups and Drive - affects resources and Settings > Manage Groups (NYU)~~ (aiming for Sakai 12)
- ~~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.
- Embed forum topics across Sakai - Does this mean that entity picker allows you to go directly to the Forum? Do we have this already in Sakai 10 (needs to investigate).
- Students have access to their own activity in Statistics - nobody expressing much interest on Sakai core team call 10/30/2014.
- Add support for PostgreSQL? MySQL and Oracle both owned by the same company. (Lots of great, promising MySQL forks though) . Seems very unlikely. MariaDB seen as risk mitigation.

Wish List

- Select multiple files / folders and download to desktop as a.zip (

  ➕ ~~SAK-25438~~ - Add ability to download files and folders from resources/dropbox into a zip file on the fly. `VERIFIED`)
- Connect to cloud file storage like Google Drive, Dropbox, S3 from Resources
- Thumbnail view of Resources that are Images - currently not planned for 11 - Steve Swinsburg 11/3/2014 .
- "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. Might be worth revisiting per Sakai core team meeting 10/30/2014.~~ start from another open source picker project and add entities.
- 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 somene'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
- allow anonymous posting to forums, ie, don't display poster's name
- allow 'my active site' list to be reordered using drag and drop OR make most accessed sites appear at the top, ie, rank the list. Already exists? (per Sakai core team meeting 10/30/2014).
- 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. However not seeming to be a priority based on Sakai core team meeting 10/30/2014.
- D3 http://d3js.org/ into Forums tool instead of SNAPP - Changed from SNAPP since Java Applets are no longer a good idea. From Sakai core team notes 10/23/14.

Done in Sakai-10

- Replace axis soap services with cxf (in 10)
- Resources drag-and-drop (in 10)
- Caching: replace ehcache with jcache to allow for other cache impls other than ehcache
- Limited or Full Session Replication (in 10)

- xAPI

Orphaned (needs someone to take it on, otherwise will not be in 11)

- URLs for every page