

Test Authoring Backlog

as of April 2014 delivery to AIR

The following captures the known outstanding functionality left for Test Authoring as well as any known remaining technical tasks. The schedule for completion of the backlog is not determined. External dependencies have been noted where given as reason for being in the backlog. Please note that the inclusion of these items does not guarantee eventual completion. Scheduling for completion of these tasks will need to be prioritized and coordinated by all involved stakeholders within the schedule and finite resources of the Smarter Balanced 11 contract.

1. Authentication/Authorization

- a. server to server credentials eventually x509 certs. Due to Test Packager being only used by other machine clients, this has not been secured yet.
- b. SAML certificate & metadata file generation for provisioning of servers due to reliance upon dependencies that are reliant upon targeted hosting environment. Hosting entities will have to configure their own certificates and consider options for metadata hosting/OAM config.
- c. User Password change redirect goes to a 404. This issue was reported to Identity Fusion on 3/12/2014, and may be strictly limited to test users.
- d. Error handling of downward dependent systems outages. Error reporting & user experience issues need to be worked through for all applications This is a usability vs. security balancing act. Internally log the issue & present a generic message to the user re: Tenancy & Role setup by an administrator.
- e. Misc. improvements from usability and edge/corner cases with login/logout scenarios. Example being timeouts (may be limited by SAML integration)

2. TIB Integrations

- a. Tenancy: currently TIB does not have any tenancy rules defined, so access to a single TIB grants access to any items within it. If TIB is updated to support tenanted Items, Test Authoring Item search will need to be modified to support the new API (presumably passing a TenantId).
- b. Item Content Changes: At this time all Smarter App format changes (Stimuli, Enemy list metadata, tutorial/word list) are considered out of scope, and any changes made to TIB to support the format change will ripple to Test Authoring (mostly publishing to TSB). ***Any 'rippling' changes are considered out of scope based upon requirements specified during the development of Test Authoring.***
- c. Additional Search/metadata changes: Any changes to TIB search support will be considered out of scope based on agreed upon requirements during the development of Test Authoring.

3. **508 changes:** 508 changes as specified in the document delivered by AIR on 2/18/2014 titled: "SBAC11 - Accessibility Requirements.docx" are considered a

backlog item to be delivered at a future date. Including UI changes (such as sort arrows) in addition to the HTML markup (ex: ARIA tags).

4. **Sorting of Grades:** Because of the nature of the grade field not being strictly numeric, the sorting causes 'out of order' sorting. This is strictly dependent upon the Core Standards data feed. Ideally the sorting is resolved in the data feed, but if an additional sort attribute is passed as part of the feed, a small change to Test Authoring will be required to accommodate sorting on the preferred display order attribute.
5. **Item Import:** based on feedback:
 1. What is the "plus sign in a circle" icon to the left of the items? Clicking on them does nothing.
 2. Is there an opportunity to de-select particular items? For example, I would want to mass deselect all items then selectively select 10 or 30 items.
6. **Simulation API:** No requirements aside from manual upload of simulation results, and the REST endpoint to retrieve a simulation package via Test Auth were specified. Test Auth is delivered to the requirements during development. *Any additional changes are considered out of scope.*
7. **UI Review Changes:** As agreed upon during the AIR/DRC UI review session on 3/20/2014. Generally the changes agreed upon by AIR/DRC will be included as part of delivery, however, see below the backlogged items:
 - a. **Summary Page:** This feature is a nice to have, but was not present in the requirements. DRC has agreed to take this as a backlog item for future delivery.
 - b. **Master Pool:** This feature is a nice to have, the direction chosen (without a master pool) was demo'ed and agreed upon, However DRC is willing to add a backlog item change the implementation to add a Master Pool. The proposed design would do the following:
 - i. Rename Item Pools to Segment Pool.
 - ii. Keep bulk (move/delete) operation functionality the same for the Segment (formerly Item) and Form pools.
 - iii. Add an additional functional menu (tab) named Master Pool that allows global visibility to all items regardless of current pool assignment.
 - iv. Additionally, individual management of the Master Pool items (such as delete or move to other pool) would be supported.
 - v. Add the ability to delete from the master pool search/filter screen--ensuring it's not on any forms/segments

Deployment/Performance

Test Authoring's user base is relatively small as compared to other SB11 component. The users as well as other webservice clients are small in number. However performance considerations have been taken into account given the volume of data that composes a test specifically Test Items. The ability to make a component perform is extremely dependent upon usage patterns as well as the deployment environment. As performance bottlenecks

are identified during Integration testing, caching and/or other optimizations may have to be implemented.

Technical Tasks

There are various technical tasks, and investigation projects that were not considered critical path to required functionality. These tasks have been noted in internal DRC task tracking. If the schedule allows and priorities dictate, these items can be scheduled to be worked on.

Test Spec Bank Backlog

Distribution of assessments to any tenant

A tenant may choose to allow another tenant access to a published specification. An interface should be provided for power users to manage access for each assessment. Access to the specification would need to be restricted via web service interface as well as the integration with the test packager.

Ability to disable or retire a specification

A tenant may choose to retire an assessment. As part of the power user management interface we should also allow a power user retire an assessment. Retiring an assessment would prevent it's specification from being exported.

Test Packager Backlog

Distribution of assessments to any tenant

A backlog item of Test Spec Bank is to configure access for any tenant to a published specification. Modifications to the test packager will need to be made to accommodate that feature. Rather than solve this problem at the infrastructure level, it may be best to require each tenant to have a sftp site with credentials configured in program management. Test packager could be modified to push out generated test packages to the correct sftp site based on tenant. Once other components are ready to integrate with the test packager we can revisit the best way to meet the requirement.