

Smarter Balanced RFP # 11/Test Authoring

Test Authoring / User Interface

Scenario Description:

Publishing Test from UI

Version Control

Version #	Date	Author	Description
1.0	03/06/2014	MR	Initial Draft

Test Scripts:

The following scripts, links and pages consist of publishing and validating tests from Test Authoring UI

Test Components:

This test scenario covers the following high-level test requirements (see scripts below for specific requirements covered by each test script):

- 1.0 Manage Assessments

Requirements Traceability:

RADTIB 2.3, RADTIB 30, PRTIB 1, PRTIB 2, PRTIB 3, PRTIB 4, PRTIB 5, RADTIB 20.2, RADTIB 42.2, RADTIB 42.3, RADTIB 42.4, RADTIB 42.5, RADTIB 42.6, RADTIB 42.7, RADTIB 428

Testing Requirements:

- Publishing a test requires a high level of privilege as publishing affects external systems
- The Test Authoring application will maintain the workflow state (Not Submitted, Validated, Submitted, Approved and Published) for the following: Registration, Administration, Scoring, and Reporting.
- Create XML file containing data required for the DTD.
 - A formal specification of the XML elements that represent a test. XML files that conform to this DTD are suitable the following purposes:
 - Administration: an XML representation of a test that contains all elements necessary to administer the test to a student.
 - An Administration XML packaged with item metadata is suitable for adaptive test simulation
 - An Administration XML packaged with full item content, metadata and item assets can be used to configure a Test Delivery system for administration of a test to students
 - Scoring: an XML representation of a test that contains sufficient elements for configuration of a test scoring system with custom rules for scale scoring this test
 - Reporting: an XML representation of a test that contains sufficient

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elements for configuration of a test reporting system for reporting of the scale scores for a test

- **Complete:** A superset of all the test elements separately required in all of the test representations above
- An abridged test specification that is used to configure the Test Registration component. No item data is packaged in this format.
- Both the full subject name and three-character subject code shall be emitted in the test package XML.

Script #:1.1 Publishing Test

Purpose:

Publish and validate Test

Assumptions:

- Test Spec Bank, ProgMan, Permission, Test Item Bank, Core Standard systems are up and running

Prerequisites:

- Test Author application is online and user has valid credentials to login
- At least one assessment is available, which has not been published or submitted for publishing
- At least one segment
- Matching number of fixed-form segments to form partitions per form
- Each segment/partition has at least one item imported into it
- Blueprint data is valid if present

Test case Steps

Step #	Test Action	Expected Results	Pass/Fail
Login			
L1	Open a supported browser and access link http://drcamp-dev.opentestsystem.org:8080/	SSO login page displays	
L2	Login to the system as Test Author using valid user ID and password	TEST AUTHOR Dashboard page displays	
Verification			
V1.0	Verify that all the images are enable in test-creation workflow page	All the images are enable in test-creation workflow page	

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Step #	Test Action	Expected Results	Pass/Fail
V1.1	Verify that all images in post test-creation workflow page are enable	All images in post test-creation workflow page are enable	
Publishing			
P1.0	Click Publishing linked image from post test-creation workflow page	Publishing page displays	
P1.1	<p>Verify that Publishing page displays following message if all required conditions are not met for publishing:</p> <p>Check that the following are present:</p> <p>At least one segment</p> <p>Matching number of fixed-form segments to form partitions per form</p> <p>Each segment/partition has at least one item imported into it</p> <p>Blueprint data is valid if present</p>	Publishing page displays the message as mentioned in Test Action	
P1.2	<p>Verify that if all required conditions are met, Publishing page displays following:</p> <p>Publishing Status: INPROGRESS</p> <p>Links for Included Specification Type(s): COMPLETE, REGISTRATION, ADMINISTRATION, SCORING and REPORTING</p> <p>Version: 1.0 (for new test)</p> <p>Submit for Approval button</p>	Publishing page displays info as mentioned in Test Action	
XML Verification			
X1.0	Click complete link	Displays Test simulation open/save dialog box	
X1.1	Open XML in XML editor or with any other editors	XML opens	
X1.2	Verify that the XML contains elements of Administration,	Verification OK	

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Step #	Test Action	Expected Results	Pass/Fail
	Registration, Scoring and Reporting that are required for test		
X2.0	Click Registration link	Displays Test simulation open/save dialog box	
X2.1	Open XML in XML editor or with any other editors	XML opens	
X2.2	Verify that the XML contains elements of Registration that are required for completing test	Verification OK	
X3.0	Click Administration link	Displays Test simulation open/save dialog box	
X3.1	Open XML in XML editor or with any other editors	XML opens	
X3.2	Verify that Administration XML: <ol style="list-style-type: none"> 1. Contains all elements necessary to administer the test to a student. 2. Packaged with item metadata is suitable for adaptive test simulation 3. Packaged with full item content, metadata and item assets can be used to configure a Test Delivery system for administration of a test to students 	Verification OK	
X4.0	Click Scoring link	Displays Test simulation open/save dialog box	
X4.1	Open XML in XML editor or with any other editors	XML opens	
X4.2	Verify that Scoring XML contains sufficient elements for configuration of a test scoring system with custom rules for scale scoring this test	Verification OK	
X4.0	Click Reporting link	Displays Test simulation open/save dialog box	
X4.1	Open XML in XML editor or with any other editors	XML opens	

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Step #	Test Action	Expected Results	Pass/Fail
X4.2	Verify that Reporting XML contains sufficient elements for configuration of a test reporting system for reporting of the scale scores for a test	Verification OK	
P1.3	Click Submit for approval	<p>Popup message box display following message:</p> <p>Are you sure you want to submit this assessment for approval?</p> <p style="text-align: center;"><OK> <Cancel></p>	
P1.4	Click OK	Publishing Status changed to AWAITING_APPROVAL from INPROGRESS	
Approval			
AP1.0	Verify that Test Author cannot approve the test that was submitted for approval	Test Author cannot approve test	
AP1.1	<p>Verify that approval process goes through following 3 stapes before being published:</p> <ol style="list-style-type: none"> 1. Approval by Content Lead 2. Approval by Psychometric Lead 3. Approval by QA Lead 	Approval process goes through 3 steps that was mentioned in Test Action	
AP1.2	Login to the system as Content Lead	Content Lead logs in	
AP1.3	Verify that Content Lead has options to approve or reject test	Content Lead can approve or reject test	
AP1.4	Verify that Content Lead can make comment before approving or rejecting the test	Content Lead can write approval or rejection message before approving or rejecting	
AP1.5	Click Reject icon	<p>Informational message box displays with following message:</p> <p>Are you sure you want to reject this approval request?</p>	

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Step #	Test Action	Expected Results	Pass/Fail
		<OK> <Cancel>	
AP1.6	Click OK	Publishing page displays	
AP1.7	Verify that publishing status changes to INPROGRESS upon rejection	Publishing status changes to INPROGRESS	
Publishing			
P2.0	Make necessary changes and click Submit for Approval Click OK from informational message box	Publishing status changes to AWAITING_APPROVAL	
Approval			
AP2.0	Logon to the system as Content Lead again Click Approve icon Click OK from message box	Content Lead Status changes to Approved with approval timestamp Publishing status remains AWAITING_APPROVAL	
AP2.1	Logon to the system as Psychometric Lead Click Reject icon Click OK from the message box	Publishing status remains AWAITING_APPROVAL Content Lead's approval changes to unapproved	
Publishing			
P3.0	Make necessary changes and click Submit for Approval Click OK from informational message box	Publishing status changes to AWAITING_APPROVAL	
Approval			
AP3.0	Logon to the system as Content Lead again Click Approve icon Click OK from message box	Content Lead Status changes to Approved with approval timestamp Publishing status remains AWAITING_APPROVAL	
AP3.1	Logon to the system as Psychometric Lead Click Approve icon	Psychometric Lead Status changes to Approved with approval timestamp Publishing status remains AWAITING_APPROVAL	

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Step #	Test Action	Expected Results	Pass/Fail
	Click OK from the message box		
AP3.2	Logon to the system as Test Lead Click Reject icon Click OK from the message box	Publishing status remains AWAITING_APPROVAL Psychometric Lead and Content Lead's approval changes to unapproved	
Publishing			
P4.0	Make necessary changes and click Submit for Approval Click OK from informational message box	Publishing status changes to AWAITING_APPROVAL	
Approval			
AP4.0	Logon to the system as Content Lead again Click Approve icon Click OK from message box	Content Lead Status changes to Approved with approval timestamp Publishing status remains AWAITING_APPROVAL	
AP4.1	Logon to the system as Psychometric Lead Click Approve icon Click OK from the message box	Psychometric Lead Status changes to Approved with approval timestamp Publishing status remains AWAITING_APPROVAL	
AP4.2	Logon to the system as Test Lead Click Approve icon Click OK from the message box	Publishing status changes to PUBLISHING	
Database			
D1.0	Logon to Mongo database collection Select TSB database Execute query to verify that test has been published to Test Spec Bank	Test has been published to Test Spec Bank Mongo has XML file names	

Test Execution

Date/Time	Tester	Test ID	Test Phase	Status
12/09/2013	RM, SM, SK,	UI	1	Pass

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