Scenario Description:

Add Item Pools 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 adding Item Pools and validating Assessment 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 25, RADTIB 38.10, RADTIB 38.11, RADTIB 39, RADTIB 39.1, RADTIB 39.2, RADTIB 40, RADTIB 31

Testing Requirements:

- **The Test Authoring application permits authorized users to create and manage Item Pool entities.**

- **This screen is organized by the same standards that are selected for the blueprint.**
  - **Blueprint information is shown in a read-only manner**
  - **Total operational and field test items in the pool**
  - **Switch between Standards and SOCKs view**
  - **View total number of operational and field test items**
  - **Switch between a master test item pool or a segment item pool**
  - **Summary of item searches are shown as item operational and field test item counts (counts roll up hierarchically)**
  - **Item summary counts for operational and field test and for test and segment (when viewing segment pool)**
  - **Edit links take you to an Edit Item Pools screen to the means to view items individually (all items, or items for a particular content standard and their children if any)**
  - **Search links allow the user to search (or search again) for items for all standards or for a particular content standard and their children if any)**
  - **Searches are conducted for both operational and field test items**

- **This screen shows individual items (not just item summaries) organized by the same standards selected for the blueprint**
    - **Toggle between viewing items and passages**
    - **Filter items by an individual content standard (and its children) or see items for all standards**
    - **Display of total number of items in pool, filter and segment (if editing a segment pool)**
    - **Switch between master test pool and segment pools**
    - **Delete individual items from the master pool**
    - **See more details about an item**
- **The selection of active standards on a test blueprint is a prerequisite for selection of an item pool because the item pool screen searches items according to their alignment with active standards.**
- **User should have the option to do the following:•**
- **Repeat more limited searches on individual standards in the pool**
- **Prune the item pool by removing items from the pool or making them inactive in the pool**
- **Create Item Pools (Segment Pool)**
- **The Test Authoring application permits authorized users to create and manage Segment Pool entities.**

Script #:1.1 Add Item Pools

Purpose:

Add and validate Item Pools

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 to generate blueprint
- At least one segment is available

Test case Steps

Step #	Test Action	Expected Results	Pass/ Fail
	System Login		
L1	Open a supported browser and access link http://drcamp-dev.opentestsystem.org:8080/	SSO login page displays	

Step #	Test Action	Expected Results	Pass/ Fail
L2	Enter valid user ID and password	TEST AUTHOR Dashboard page displays	
Verification			
V1.0	Verify that Test, Test Segments, Blueprint and Item Pools images are enable in test-creation workflow page and rest of the images are disable	Test, Test Segments, Blueprint and Item Pools images are enable in test-creation workflow page and rest of the images are disable	
V1.1	Verify that all images in post test-creation workflow page are disable	All images in post test-creation workflow page are disable	
Item Pools - Search			
IP1.0	Click Item Pools linked image from test-creation workflow page	Item Pools search page displays	
IP1.1	Verify that following objects are present in Blueprint search page: 1. Assessment Name 2. Item Pool, Item Groups, Standards Summary links 3. Segment and Group list boxes 4. Standard Key, Item Type, Item Identifier and Grade textboxes 5. Search button 6. Search Results grid with following columns: Standard Key, Item Identifier, Version, Type, Grade, Subject, Subject Category, Author, Status and Location 7. Total Results Found Widget tool object with following: Standard Search wheel, TIP Search, Move/Delete Items and Missing items icons	Objects are present	
IP1.2	Verify following defaults: Segment list box = Segment that is adaptive and position is highest Group list box= Not in a group	Default values are as expected	

Step #	Test Action	Expected Results	Pass/ Fail
IP1.3	Verify that Items can be searched by using any, combination or all search filters	Items can be searched by using any, combination or all search filters	
IP1.4	Verify that "View Item Details" and "View Item Attributes" links are present on top of the search results grid	"View Item Details" and "View Item Attributes" links are present	
IP1.5	Verify that "View Item Details" link is selected as default	"View Item Details" link is selected as default	
IP1.6	Verify that widget is present with following icons: 1. TIB Search 2. Edit Items 3. Move Items 4. Delete Items 5. Missing Items	Widget is present	
Item Pools – Item Groups			
IP2.0	Click Item Groups link	Item Group Search page displays	
IP2.1	Verify that following objects are present in Item Groups search page: 1. Segment list box 2. Name textbox 3. Search and New buttons 4. Search Results grid with following columns: Location, Name, Max Responses, Max Items, Passage Id and Action 5. Total Results Found:	Objects are present	
IP2.2	Verify that Segment list contains only adaptive segments	Segment list contains only adaptive segments	
IP2.3	Click New	Item Groups Add page displays	
IP2.4	Verify following elements are present 1. Segment ID list box 2. Name, Max Responses, Max Items, Passage Id textboxes	Elements are present	

Step #	Test Action	Expected Results	Pass/ Fail
	3. Save and Back buttons		
IP2.5	Click Save	Following error message displays: Please fix errors in order to save information: Name is required. Location is required. Max Responses is required. Max Items is required.	
	Monitoring and Alerting (MnA)		
M1.0	Go to http://web-dev.opentestsystem.org:8080/permissions/roles.xhtml	MnA Dashboard displays	
M1.1	Click Search Log	MnA Log Search page displays	
M1.2	Select Component = test_auth Click Search	Search results display the same error message	
	Item Pools – Item Groups		
IP2.6	Select Segment from the list box Enter Name of the Item Group Enter Max Responses, Max Items, Passage Id in the textboxes Click Save	Item Group is Saved Item Group view page displays	
IP2.7	Click Item Groups link	Search Results grid displays newly added Item Group	
	Database		
D1.0	Logon to Mongo database collection Execute query to verify that new Item Group has been added	New Item Group has been added	
	Item Pools – Standard Summary		
IP3.0	Click Standard Summary link	Standard Summary Search page	

Step #	Test Action	Expected Results	Pass/ Fail
		displays	
IP3.1	Verify that following elements are present 1. Segment list box 2. Search and Reset buttons 3. Search Results grid with following columns: Standard Key, OP Min, OP Max, FT Min, FT Max, OP Items, FT Items and Total Items 4. Total Results Found	Elements are present	
IP3.2	Verify that the default value in Segment list box = Master	Default value in Segment list box = Master	
IP3.3	Verify that Segment list box contains only adaptive segments	Segment list box contains only adaptive segments	
IP3.4	Verify that OP Items, FT Items and Total Items columns are empty when Segment = Master	OP Items, FT Items and Total Items columns are empty	
IP3.5	Select Segment from Segment list box other than Master Click Search	Search results grid displays the list of item in that segment	
IP3.6	Verify that OP Items, FT Items and Total Items columns have been populated when Segment = NOT Master	OP Items, FT Items and Total Items columns are NOT empty	
IP3.7	Click Reset	Segment list box value changes to Master and the system refreshes the search results grid with Master items	
Item Pools - Widget			
IP4.0	Click Item Pool link	Item Pool Search screen displays	
IP4.1	Click Missing Items icon from widget Verify that following elements are present in Standard Search box: 1. Close button 2. Search result grid with following columns Standard Key OP	Elements are present	

Step #	Test Action	Expected Results	Pass/ Fail
	FT Action (not labeled)		
IP4.2	Click Close	Missing Items box closes	
IP4.3	Click TIB Search from widget Verify that following objects are present: 1. Search, Add Filter, Preview, Import, Close and Delete filter (X) buttons 2. Filter Description and Total Results label	Objects are present	
IP4.4	Verify following defaults: 1. Publication Key filter with default value = Publication Name from the assessment 2. Grade filter with default value = Grade(s) from the assessment	Defaults are present	
IP4.5	Click Add Filter button	New filter row added	
IP4.6	Verify that following values are present in filter list box: 1. Publication Key 2. Standard Key 3. Item Identifier 4. Grade 5. Subject 6. Subject Category 7. Status 8. Source 9. Difficulty 10. Keyword	Values are present	
IP4.7	Select Subject from the list box	Filter Description = publicationKey is '<Publication Name>' and grade is '<Grades>' and subject is '<Invalid Subject Name>'	
IP4.8	Enter invalid subject name Click Search	Total Results = 0	
IP4.9	Enter valid subject name	Total Results = <Non-zero number>	

Step #	Test Action	Expected Results	Pass/ Fail
	Click Search		
IP4.10	Click Preview	Preview box opens with following: 1. Preview grid with following columns: Primary Standard Grade Item Status 2. Total results found 3. Filter and Close button 4. List of items from the search	
IP4.11	Verify that value from the Total Results label and value from search grid Total results found are equal	Values are equal	
IP4.12	Click Filter	Add items from test item bank box displays	
IP4.13	Click Import	Import box displays	
IP4.14	Verify that following elements are present: 1. "Where should we put the imported items?" Label 2. Segment and Item Group list boxes 3. Import, Filter and Close buttons	Elements are present	
IP4.15	Verify following default values: 1. Segment list box = Segment that has position value equals 1 2. Item Group list box = "Auto Assign Group"	Default values are as expected	
IP4.16	Select segment that has group Select group Click Import	Import action displays following informational message: Target Segment: <Segment Name> Target Group: <Item Group Name> Items Imported: <Number of Items> Import Omitted: < Number of Items> Import Time: <Time needed for	

Step #	Test Action	Expected Results	Pass/ Fail
		importing Items in> seconds	
IP4.17	Click Close	"Add items from test item bank" box closes	
Database			
D2.0	Logon to Mongo database collection Execute query to verify that new Item Group has been added	New Item Group has been added	
Test Author - Item Pool (View Item Attributes)			
IP5.0	Click View Item Attributes link	View Item Attributes search results grid displays	
IP5.1	Click Edit Items from widget	search results grid changes to edit mode	
IP5.2	Verify that following column values can be edited: 1. Admin Required 2. Response Required 3. Active 4. Field Test Item 5. Block Id	Columns can be edited	
IP5.3	Update any or all of the column values Click Save	Item attributes have been updated	

Test Execution

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