


[QA6T-46] [Open Library Testing](#) Created: 03/Aug/18 Updated: 09/Aug/18

Status:	Open
Project:	QA6 Tansey
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Test Plan	Priority:	Medium
Reporter:	Tansey Sussex	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	 Open Library Test Summary Report.docx
Introduction:	<ul style="list-style-type: none">• This project is testing Open Library which is an open, editable library catalog, building towards a web page for every book ever published.• Constraints: Documentation and requirements are not available.• GitHub repository of automated tests and API tests can be found here.
Test Items:	<ul style="list-style-type: none">• The app can be accessed here• The API documentation can be accessed here
Features to be Tested:	Features to be tested include: <ul style="list-style-type: none">• Account creation• Browsing items• In-Depth search• Checking-out resources• Reading resources on browser• Returning resources• API testing
Features Not to be Tested:	Features not to be tested: <ul style="list-style-type: none">• Purchasing

	<ul style="list-style-type: none"> • Reviewing/Editing/ContributingTo Resources • Downloading files and accessing using Adobe Digital Editions • Sharing of resource details on social media sites
Approach:	<ul style="list-style-type: none"> • Manual testing will be utilized for all areas • Automated testing will be used to login and to test the random book function • Prioritization <ul style="list-style-type: none"> ○ User can login ○ User can search, select, and borrow a resource ○ User can access the borrowed resource ○ User can return the borrowed resource ○ API returns results appropriately • Schedule <ul style="list-style-type: none"> ○ Project approval Mon 8/6 ○ Manual Testing Wed 8/8 ○ Automated Testing 8/8 ○ Project completion Thur 8/9 • Suspension and Resumption Requirements <ul style="list-style-type: none"> ○ None at this time
Item Pass/Fail Criteria:	<ul style="list-style-type: none"> • Can user create an account, login, and logout? • Can user browse and perform an advanced search for items? • Do item pages contain the minimum information needed - photo, title, ID number, ISBN, etc? • Can user borrow, read, and return items? • Can specified information be returned by the API during searches?
Test Tasks:	<p>Detail any further tasks needed to keep the test plan moving forward. Where appropriate include dependencies, time frames, resources needed, etc.</p> <ul style="list-style-type: none"> • Creating Test Cases • Writing Test Scripts • Executing Tests • Reporting/Logging Issues • etc.
Environment Needs:	<ul style="list-style-type: none"> • Current internet browser - the tests will be performed using Chrome • API testing will be performed using Postman
Risks & Contingencies:	<ul style="list-style-type: none"> • Contingencies: <ul style="list-style-type: none"> ○ None at this time • Risks: <ul style="list-style-type: none"> ○ No documentation/requirements

	<ul style="list-style-type: none"> ○ Limited time for completion
Other Supporting Info:	<ul style="list-style-type: none"> • Schedule <ul style="list-style-type: none"> ○ Project approval Mon 8/6 ○ Manual Testing Wed 8/8 ○ Automated Testing 8/8 ○ Project completion Thur 8/9 • Suspension and Resumption Requirements <ul style="list-style-type: none"> ○ None at this time
Approvals:	<ul style="list-style-type: none"> • Project Approval <ul style="list-style-type: none"> ○ AJ Larson, Instructor ○ Approved 8/3/18

Comments

Comment by [Tansey Sussex](#) [09/Aug/18]

Open Library Test Summary Report

Project Links: [Jira](#) | [Open Library Site](#) | [Github](#)

Test Summary Report

- Items tested include creating user account, managing user account, browsing for items, borrowing and utilizing items, search functionality, waitlist functionality, creating book lists, and GET API functionality.
- Open Library was tested using a Chrome browser.

Variances










- Variances included challenges with requirements documentation not being available.
- Many variances were found in the site leading to cancelling some of the automation that was planned. Automation was modified to include account login and to test the random book recommendation function. Automation for searching a resource, borrowing it, reading it, and returning it was cancelled due to the fragile site environment.
- API testing was also limited due to the inconsistent results found during the initial GET testing.

Testing Done vs. Test Objectives

- Most objectives were able to be met except for the automation referenced above.
- API testing was limited to GET testing.
- Automation testing was limited.

- Due to time limitations the mobile device app and user content updating/contribution were not tested. The purchasing options and sharing of resource information on social media sites were also not tested.

Summary

- Testing was completed on all functions listed above.
- Tools used included Chrome, Postman, Nightwatch.js.
- Recommendations to improve the product include:
 - Search Type Default Recommendation  [QA6T-58](#) Open
 - Bookmark Recommendation  [QA6T-60](#) Open
 - Resource Preview  [QA6T-61](#) Open
 - Tracking Past Books Checked Out  [QA6T-69](#) Open
 - Return Multiple Resources at Once  [QA6T-64](#) Open
- Bugs reported include:
 - Updating Email Link Broken  [QA6T-54](#) Open
 - Books Search Page not Behaving as Expected  [QA6T-57](#) Open
 - Read and Borrow Buttons Changing  [QA6T-65](#) Open
 - Currently Reading not Tracking  [QA6T-68](#) Open

Evaluation Activity Summary

- The Open Library site is an open source library site where users can borrow and read books without needing a library card. The goal is for every book ever written to have its own informational page. Users can contribute to the site, review products, and upload product details, similar to a Wikipedia format. Due to the number of users updating and adding information, the continuity in information between resources is sometimes inconsistent.
- The concept of the site is great, and with some modifications it has the potential to be a very powerful resource for users. As it grows, it would be helpful if there was someone double checking the information that's being submitted and making sure that the site format stays consistent. With such a large site and large goal this is no small feat, but it would much improve the user's experience if some type of enhanced quality control and review processes were implemented.

Activity Summary

- Time was spent testing the functionality listed above including exploratory testing, writing bug and recommendation reports, and manual testing. Due to some of the inconsistencies found in the site, this lead to a larger amount of time than usual spent trying to localize consistent results. A chunk of time was spent attempting to complete automation testing, which had to be abandoned due to inconsistent site components.

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