## Test Cases for Springer Link home page based on priority

## Blocker:

* Presence of Search box
* Search function
* New Search function
* Clicking on links in the page to navigate to their respective pages
* Sign up/Login function
* Advance search function
* Search help function
* Language change function
* Edition function
* Check list of discipline links are clickable
* Check list of discipline links when clicked navigate to respective page
* Check clicking on books navigate to respective page
* Browse resources graph function
* Browse resource count
* Check ‘Our Content’ function
* Check ‘Other Sites’ function
* Check ‘Help & Contacts’ function
* Check Support function in the page
* Check the page scroll
* Cross device testing

## Critical

* Clicking on logo to take user to homepage
* Cross browser testing
* Cross platform testing
* Check the responsiveness of the application
* Check the books displayed are relevant to the category
* Check hovering on the book displays overview of the book
* Check the content of the tool tip changes on hovering books
* Check the URL of the page
* Check the loading speed of the page

## Minor

* Spell check on the entire page
* Check font size, font style and colour on the entire page
* Check list of discipline are displayed in alphabetical order
* Check the static content in the page
* Check the thumbnail/images of the books under each category
* Check the size of the book images
* Check the header and footer of the page
* Check the logo at the bottom of the page
* Check the ‘Logged in as’ information at the bottom of the page
* Check the username on the top of the page
* Check the logged in information for the user who hasn’t signed up

## Questions on enhanced password function

* Is there any option provided for the user who choose to add forgotten prompt question?
* What happens if the user doesn't wish to add forgotten prompt question? Can he continue resetting the password or continue using the website?
* How many prompt questions should be displayed?
* What prompt questions should be displayed?
* Does the answer have any limitation on number of characters?
* Can answer contain any special characters or numbers?
* What should be the validation message if the answer does not match the limitation?
* How many prompt questions should be answered?
* What validation message should be displayed if the user types the same password?
* Should the user be prompted to enter different password after throwing a validation message on entering same password?
* What validation message should be displayed if users don’t enter answer the selected question?
* Is the answer case sensitive?

## Steps taken to make sure that the new functionality is ready before it reaches customer

* Test the newly developed through unit test in local machine.
* Run all the smoke and regression tests in the local environment.
* Run all the priority test cases as a dummy user in production during non-peak hours.

## Levels of automation testing required to test ‘Ingesting Articles’

* API testing - to test both the APIs content api and sn-static-content api, where we write automated tests to verify all the CRUD operations. Automated tests for the api to interact with Google bucket.
* Database testing to check whether the api interact with database properly.
* UI Testing where we write automate tests for the application front end.

## How frequently the automated tests can be run?

* When- after every release
* Where- local machine by using the concept of mocking
* How- executing priority test cases daily and regression tests after major release

## Manual test would fit in below scenario

* Manual Test to check the PDF, XML ,Image folder generation and content verification

## 

## Functional tests

* UI testing to test the frontend
* Web service testing to test the api
* Database testing to check the database transactions
* Unit test to test each module
* Integration test to test the modules interaction
* Smoke test to test the major software functionality
* Regression test to test code changes do not have a negative effect
* Sanity test to ensure the changes didn’t create any serious issues
* User acceptance test to make sure the software meets user needs

## Non-Functional tests

* Performance test to check api at the peak using boundary value analysis and equivalence partition concept
* Availability test to check the application at low/no network scenario
* Security testing for authentication and authorization
* Usability test and Compatibility test
* Load test, Volume test, Stress test and Installation test

## Strategy to deal with lack of pre prod and staging environment

* Test the newly developed through unit test in local machine.
* Run all the smoke and regression tests in the local environment.
* Run all the priority test cases as a dummy user in production during non-peak hours.

SearchFunctionalityTestcases

* Website Search Bar location. Usually it is in the Header section on top right/left portion of the screen.
* Is Placeholder text (displayed within the search box and disappear when you start typing) ­­is enabled?
* Is your website search having auto suggest feature?
* What happens when you click Search button without entering any keyword?
* Does the search box keep the history of previously searched keywords?
* Are you getting the proper result for what you have searched?
* Does the result page title contain searched keyword?
* Is there a facility to search again from result page itself?
* There must not be any discrepancy in result when searching with same keyword multiple times.
* What happens when you search with a keyword that does not produce any result? There must be a page showing you proper message with a box to search again.
* How feasible it is for user to navigate back to same search result page after clicking on any result link?
* Application should not crash if user inserted % in search field.
* All search keyword/filters should get cleared on clicking Reset/clear button.
* Total number of search records/results should be displayed on page.
* User should be able to search when he enters the keyword and hits ‘Enter’ button on keyboard.
* Is font family used in search keyword matching overall theme and layout?
* How smoothly it populates the list of suggestions as you start typing into the search box?
* Are the suggestions properly updated when you enter / remove a keyword?
* Are the suggested results relevant to the keyword you are typing?
* What happens when you click on any suggestion? Is it redirecting to proper result page?
* How many search results are displayed per page? Is pagination enabled when you have more results per page?
* In which order the search result is organized?
* How good is the performance of rendering results for most frequently used search keywords?
* All the images and visuals in Search result should be properly displayed in responsive screen.
* Search keyword should get highlighted with colour in the search results.
* Validate search rules defined for “Exact Match” with the search key word.
* Validate search rules defined for “Similar Match” with the search key word.
* Look & Feel of the Search Box. Is it attractive and engaging enough to make you perform a search instead of roaming on website pages?