

MARCH 7, 2015

COG1 + RENAISSANCE LEARNING

SEARCH CONTROL

PHASE 1

STORIES 1, 2, 10

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Overview

What follows is recommended UXD for Search Control User Stories 1, 2, and 10.

USER STORY 1: SEARCH QUERY WIDGET

Search Query Widget

DESCRIBED IN USER STORY 1: SEARCH QUERY WIDGET

As a Searcher, I want to be able to search for the Educational Resource (ER) I need using natural language, so that I can get a set of recommendations that fit my needs.

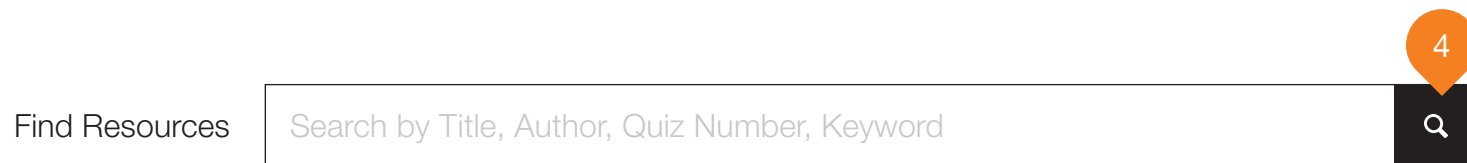
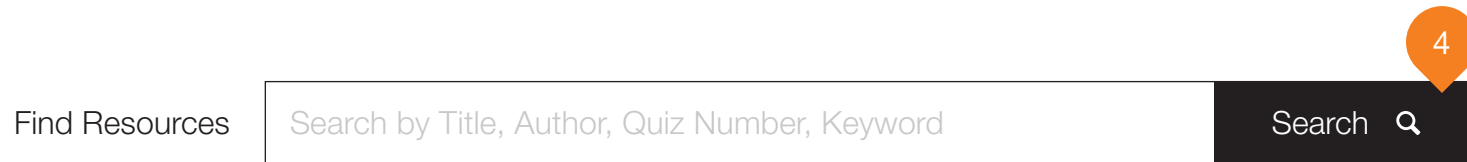
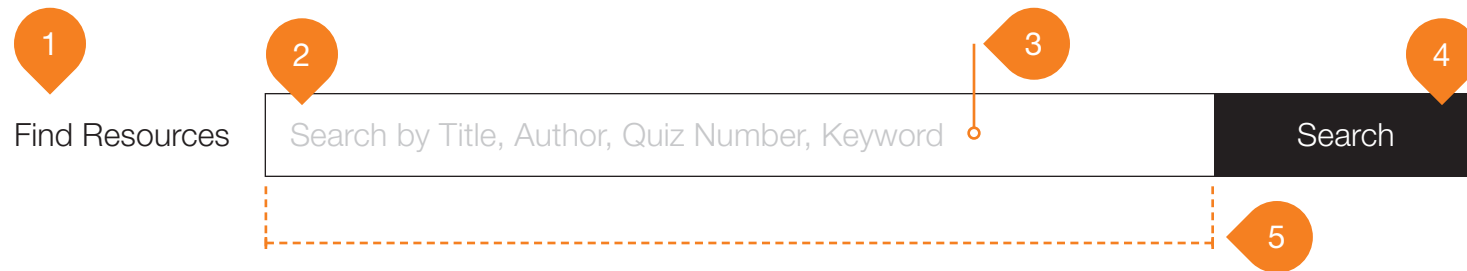
ACCEPTANCE CRITERIA USER STORY A

- The greyed out guidance text in the query box should disappear on the first character entry.
- Search queries may be up to N characters long.
- Results should appear, by default, in order of “goodness”, as determined by the Recommendation Engine.

ACCEPTANCE CRITERIA USER STORY B

- The visible length of the edit box should be configurable in terms of the number of characters.
- The maximum length of the search query should be configurable in terms of the number of characters.
- The help text in the edit box should be specifiable as an input into the widget.
- The label to the left of the edit box should be configurable.
- The button should be able to display text or an icon.
- The text or icon displayed in the button should be configurable by the calling code.

SEARCH QUERY WIDGET - INITIAL DISPLAY



NOTES

1. Search Box Label

Search box UI label placed to the left of the Search Field should be configurable.

2. Search Field Area

Search Field UI area should gain focus upon selection by user. Search query maximum character length should be configurable.

3. Search Field Hint Text

Hint text in the Search Field should be configurable as an input to the search widget.

4. Search Button CTA

Search Button UI should be able to display text, an icon, or text and icon together.

5. Search Field Appearance

Search Field UI appearance should be configurable by maximum character length.

USER STORY 2:
SEARCH RESULTS
LIST - RICH RETURN

Search Results List - Rich Return

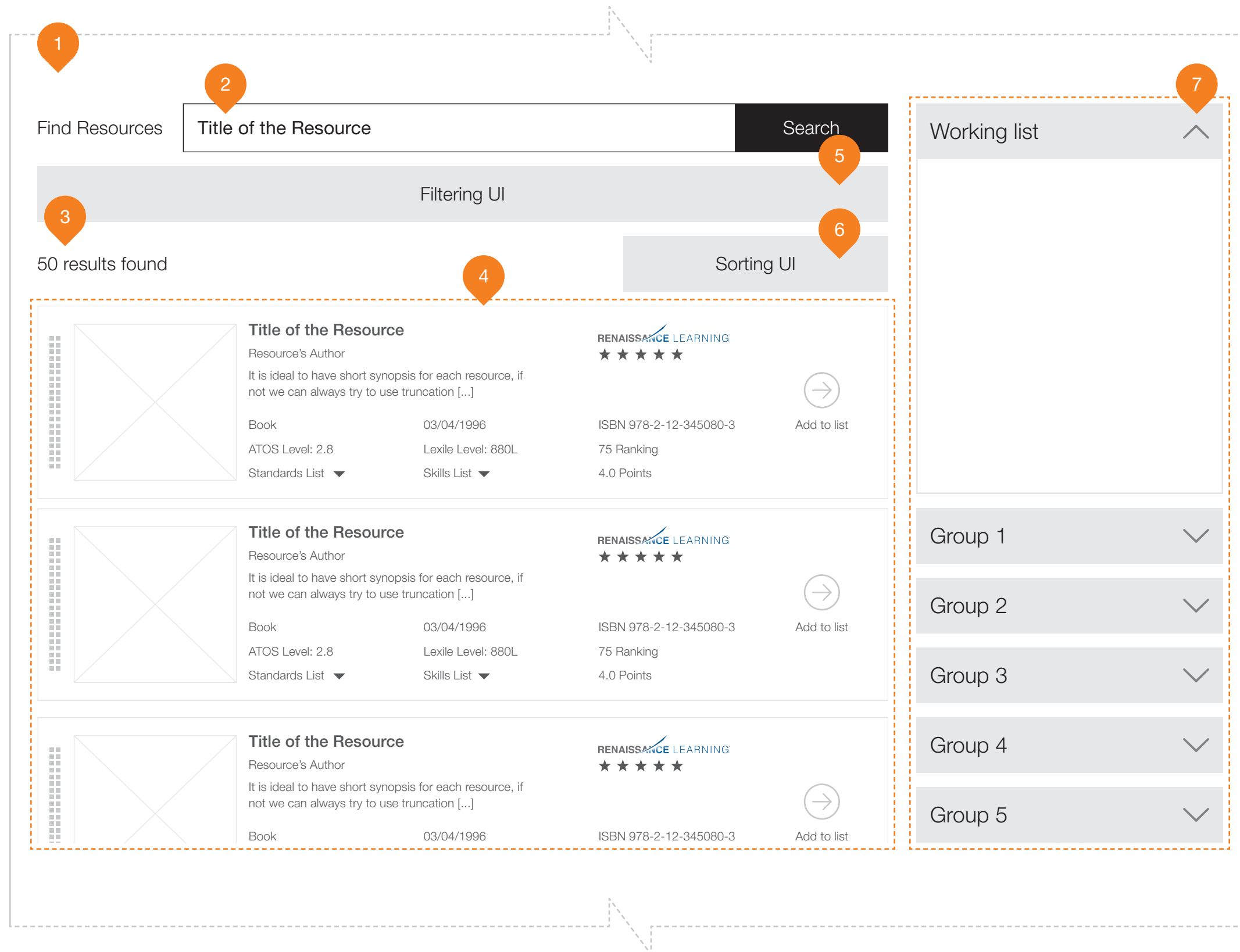
DESCRIBED IN USER STORY 2: SEARCH RESULTS LIST

As a searcher, I want to be able to see a list of Resources in a scrollable list designating the return from the Recommendation Service.

ACCEPTANCE CRITERIA USER STORY A

- The Results widget should display up to N resources, based on a configuration setting.
- The Results widget should show any of the following elements for each Resource, depending on the configuration specified by the calling code:
 - Title of the Resource
 - Cover Picture
 - Source
 - User Reputation Rating
 - Date
 - RLI Reputation Rating
 - Author
 - Description
 - ATOS Level
 - Lexile Level
 - Mime Type
 - Identifier
 - Point Value
 - Skills List
 - Standards List

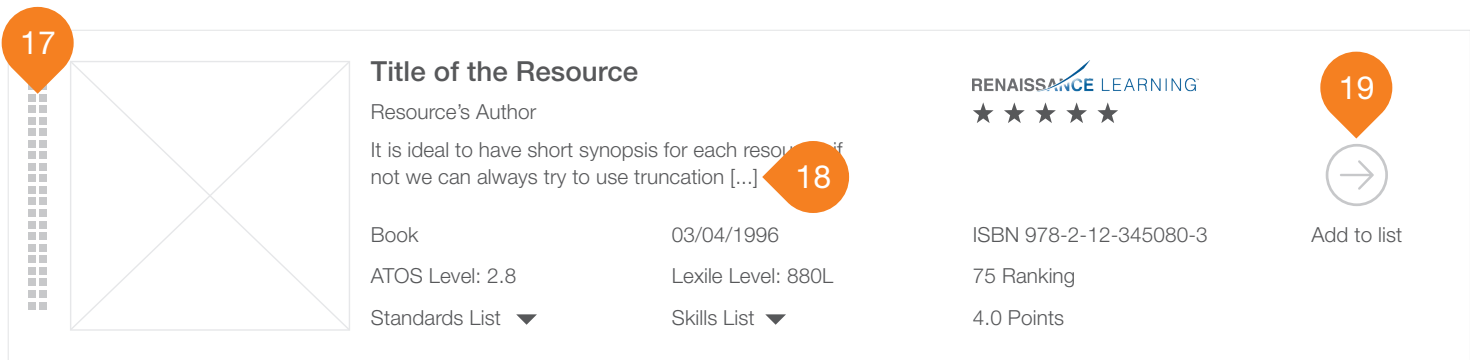
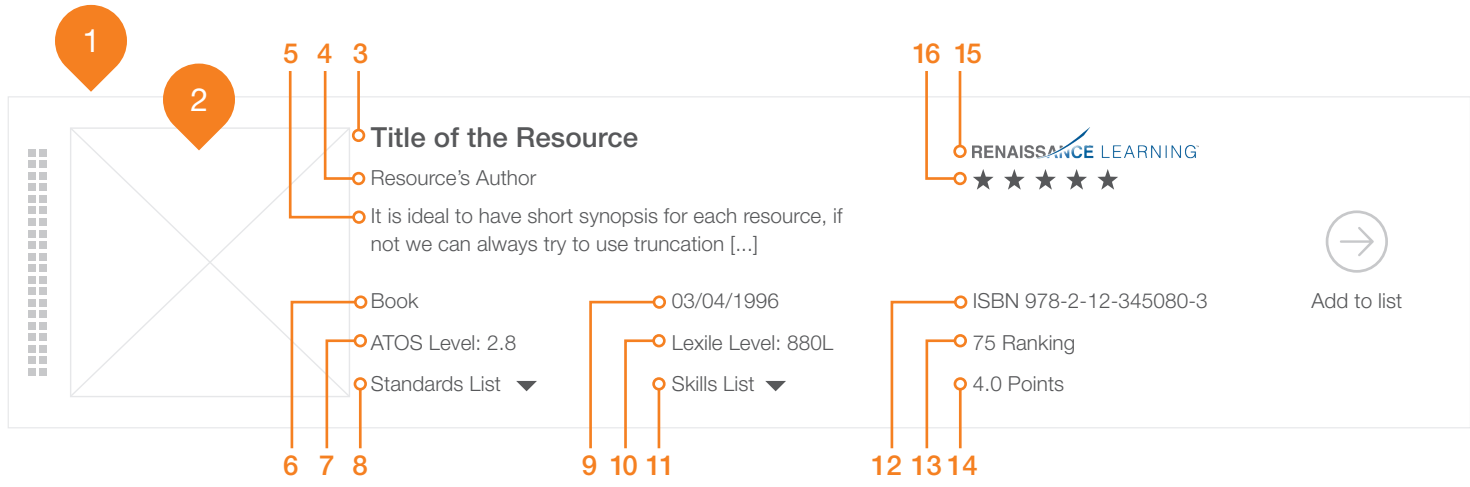
SEARCH RESULTS LIST - RICH RETURN - HIGH LEVEL WIREFRAME



NOTES

- 1. Search Results Display**
Search Results displays up to N resources, based on a configuration setting.
- 2. Searched Input**
Should reflect inputted query text.
- 3. Number of Results Found**
Displays the number of results found based on the search query.
- 4. Search Results Bump Loaded**
List items bump loading.
- 5. Filtering UI**
Work to commence.
- 6. Sorting UI**
Work to commence.
- 7. Working List UI**
Work to commence.

SEARCH RESULTS LIST - LIST ITEM DETAIL



NOTES

1. Single Result Widget
Associated resource metadata should display as illustrated.

- 2. Cover Picture
- 3. Title of the Resource
- 4. Author
- 5. Description
- 6. Mime Type
- 7. ATOS Level
- 8. Standard List
- 9. Date
- 10. Lexile Level
- 11. Skills List
- 12. Identifier
- 13. RLI Reputation Rating
- 14. Point Value
- 15. Source
- 16. User Reputation Rating

17. Drag Indicator
Indicates that the user can drag the resource to add to a Working List.

18. Text Display Truncation
After a predefined character threshold, a truncation indicator should appear as illustrated.

19. Add to List Button
Clicks/Taps on this element adds the resource to a Working List.

SEARCH RESULT LIST - RICH RETURN - LIST ITEM APPEARANCE VARIATIONS

NOTES

1. Known Min. Datapoints Displayed - Example
 Displaying elements associated with the resource at the minimum level as illustrated.

2. Known Moderate Datapoints Displayed - Example
 Displaying elements associated with the resource at a moderate level as illustrated.

3. Known Max. Datapoints Displayed - Example
 Displaying elements associated with the resource at the maximum level as illustrated.

1

Title of the Resource

Resource's Author
 It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING
★★★★★

➔
Add to list

Book 03/04/1996

2

Title of the Resource

Resource's Author
 It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING
★★★★★

➔
Add to list

Book 03/04/1996 4.0 Points
 ATOS Level: 2.8 Lexile Level: 880L
 Standards List ▼ 75 Ranking

3

X

Title of the Resource

Resource's Author
 It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING
★★★★★

➔
Add to list

Book 03/04/1996 ISBN 978-2-12-345080-3
 ATOS Level: 2.8 Lexile Level: 880L 75 Ranking
 Standards List ▼ Skills List ▼ 4.0 Points

SEARCH RESULT LIST - RICH RETURN - LIST ITEM - STANDARDS LIST DISPLAY

NOTES

1. Standards List

Expanded state reveals a list of the standards tagged with the resource. Restricted to show a number of three.

2. Dialog Box

Hovering reveals a dialog box that explains the Standards' tagged with the resource.

Title of the Resource

Resource's Author
It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING
★★★★★

Book 03/04/1996 ISBN 978-2-12-345080-3 Add to list
ATOS Level: 2.8 Lexile Level: 880L 75 Ranking
Standards List ▲ Skills List ▼ 4.0 Points

CCSS.ELA - LITERACY.RL.5.1
CCSS.ELA - LITERACY.RL.5.2
CCSS.ELA - LITERACY.RL.5.3

Title of the Resource

Resource's Author
It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING
★★★★★

Book 03/04/1996 ISBN 978-2-12-345080-3 Add to list
ATOS Level: 2.8 Lexile Level: 880L 75 Ranking
Standards List ▲ Skills List ▼ 4.0 Points

CCSS.ELA - LITERACY.RL.5.1
CCSS.ELA - LITERACY.RL.5.2
CCSS.ELA - LITERACY.RL.5.3

Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.

SEARCH RESULT LIST - RICH RETURN - LIST ITEM RESPONSIVE VARIANTS

Maximum Width

Title of the Resource
Resource's Author
It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING
★★★★★

Book 03/04/1996 ISBN 978-2-12-345080-3 Add to list
ATOS Level: 2.8 Lexile Level: 880L 75 Ranking
Standards List ▼ Skills List ▼ 4.0 Points

Variable Width

Title of the Resource
Resource's Author
It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING ISBN 978-2-12-345080-3
★★★★★ 75 Ranking
4.0 Points

Book 03/04/1996
ATOS Level: 2.8 Lexile Level: 880L
Standards List ▼ Skills List ▼

→ Add to list

Minimum Width

Title of the Resource
Resource's Author
It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING

RLI Reputation Rating
75 Ranking
4.0 Points
Book
03/04/1996
ISBN 978-2-12-345080-3
ATOS Level: 2.8
Lexile Level: 880L
Standards List ▼
Skills List ▼

→ Add to list

NOTES

1. List Item - Max. Width

All display elements and add to list button are visible.

2. List Item - Flexible Width

Add to list button is not available for this variant.

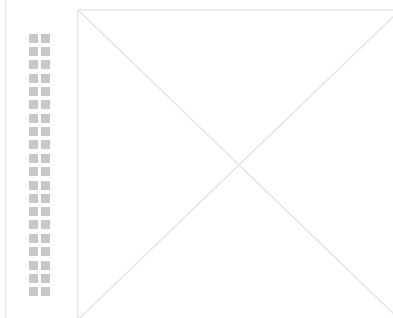

3. Touch Exception

Depending on the User's environment, for touch/tap specifically, the drag indicator should not display.

4. List Item - Min. Width

Single Column Layout. In this example the drag indicator is not visible due to touch/tap exception.

SEARCH RESULT LIST - RICH RETURN - LIST ITEM - OPEN QUESTIONS

	Title of the Resource		RENAISSANCE LEARNING		 Add to list
	Resource's Author				
	It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]				
	Book	03/04/1996	ISBN 978-2-12-345080-3		
	ATOS Level: 2.8	Lexile Level: 30L	75 Ranking		
Standards List ▲	Skills List ▼	4.0 Points			
CCSS.ELA - LITERACY.RL.5.1					
CCSS.ELA - LITERACY.RL.5.2					

NOTES

1. Skills List Open Question

Provided example of skills content:

> *With prompting and support, identify the main topic of an informational text*

> *With prompting and support, ask and answer questions about an informational text's key details*

where can we find these content?

Are the skills in the URL below relevant?

<http://www.renaissance.com/Products/Star-Assessments/Star-Reading/Skills>.

USER STORY 10:
SEARCH RESULTS
LIST - NULL RETURN

Search Results List - Null Return

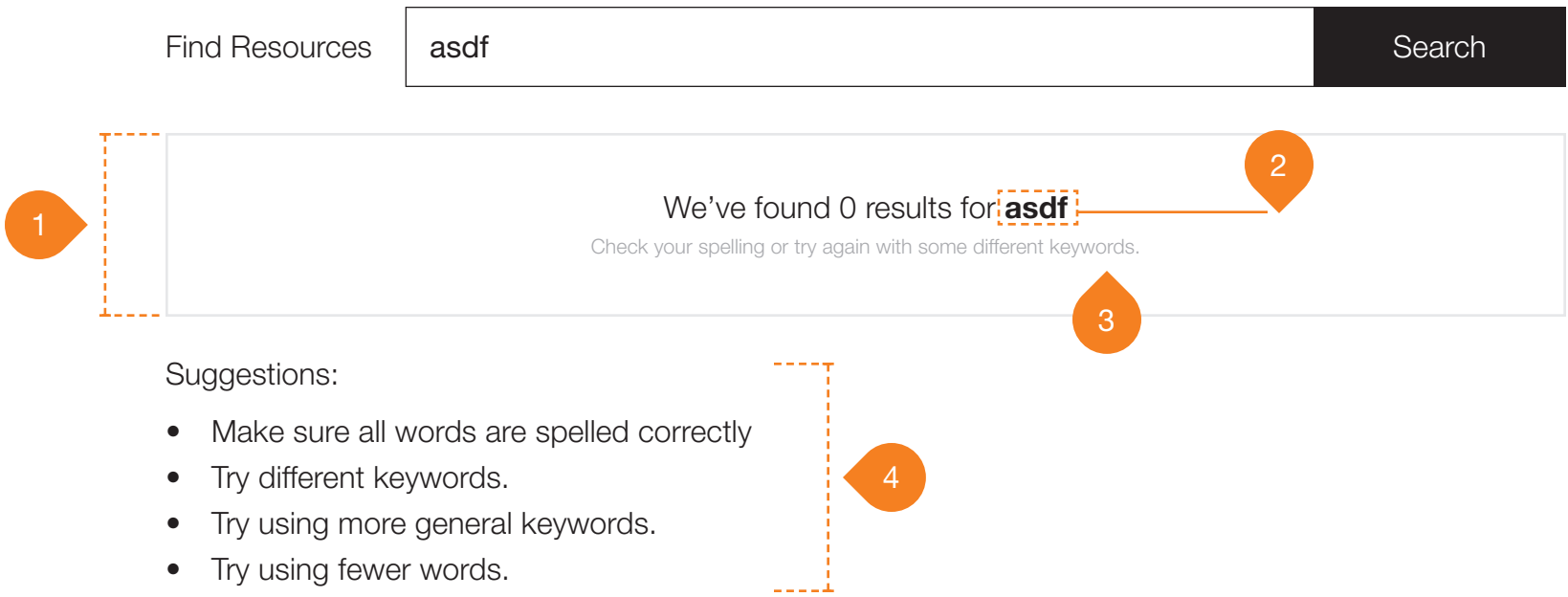
DESCRIBED IN USER STORY 10: HANDLE "NO RESULTS"

As a searcher, if my query returns Zero (0) resources, I want a clear indication of what happened, so that I am not confused by seeing no Resources in the results list.

ACCEPTANCE CRITERIA

- The invoking code should be able to designate the text string to display.
- The Search results list should prominently display the Zero state indicators.

SEARCH RESULTS LIST - NULL RETURN



NOTES

- 1. Null Results Display**
Null search results list displays the Zero state indicator.
- 2. Inputted Search Query**
Displays the inputted search query.
- 3. Hint Text**
Displays as illustrated. Text should be configurable.
- 4. Suggestions / Tips Display**
Suggestion on how to get better search results. Text should be configurable.

SEARCH RESULTS LIST - "DID YOU MEAN?"

Find Resources

Did you mean **fluffy cat**?
 Search instead for **flufgy cat**

	Title of the Resource	RENAISSANCE LEARNING ★★★★★	
	Resource's Author It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]		
Book	03/04/1996	ISBN 978-2-12-345080-3	Add to list
ATOS Level: 2.8	Lexile Level: 880L	75 Ranking	
Standards List ▼	Skills List ▼	4.0 Points	

	Title of the Resource	RENAISSANCE LEARNING ★★★★★	
	Resource's Author It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]		
Book	03/04/1996	ISBN 978-2-12-345080-3	Add to list
ATOS Level: 2.8	Lexile Level: 880L	75 Ranking	
Standards List ▼	Skills List ▼	4.0 Points	

	Title of the Resource	RENAISSANCE LEARNING ★★★★★	
	Resource's Author It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]		
Book	03/04/1996	ISBN 978-2-12-345080-3	Add to list
ATOS Level: 2.8	Lexile Level: 880L	75 Ranking	
Standards List ▼	Skills List ▼	4.0 Points	

NOTES

- 1. Suggestion for Search**
Displays the suggestion for the inputted search query.
- 2. Hint Text**
Displays as illustrated. Text should be configurable.
- 3. Result Widgets (List Items)**
List items display as illustrated.

APPENDIX

USER STORY 1:
SEARCH QUERY
WIDGET
ADDITIONAL
EXPLORATION

SEARCH QUERY WIDGET - INITIAL DISPLAY

Find Resources

Find Resources 

Find Resources 

SEARCH QUERY WIDGET - INITIAL DISPLAY

Find Resources

Find Resources

Find Resources

SEARCH QUERY WIDGET - INITIAL DISPLAY

Find Resources

Find Resources 

Find Resources 

SEARCH QUERY WIDGET - INITIAL AND SUGGESTIVE DISPLAY

Find Resources

Filter ▾ Search by Title, Author, Quiz Number, Keyword

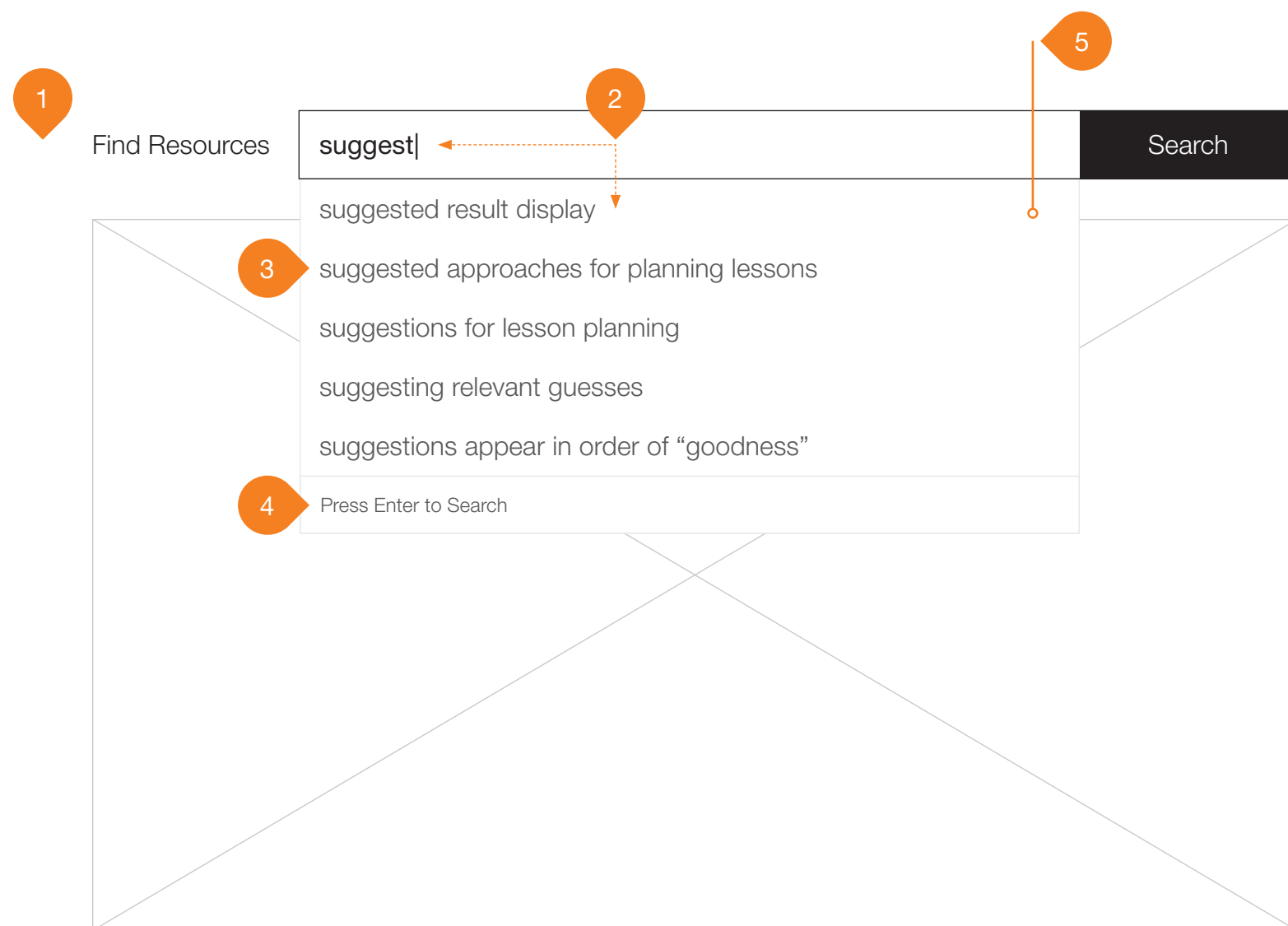
Find Resources

Filter ▾

- suggested result display
- suggested approaches for planning lessons
- suggestions for lesson planning
- suggesting relevant guesses
- suggestions appear in order of "goodness"

Press Enter to Search

SEARCH QUERY WIDGET - SUGGESTIVE DISPLAY



NOTES

1. Search Query Widget Suggestive Search Results Display State

Suggestive Search Results Display State shows the results of the baseline search connection between the UI and SOLR.

2. User Search Input

Inputted text by User in the Search Field Area triggers the SOLR Recommendation Engine, displaying suggestive search results as illustrated.

3. Suggestive Search Result List

Suggested Search Results displayed, in order of "goodness", as determined by the Recommendation Engine.

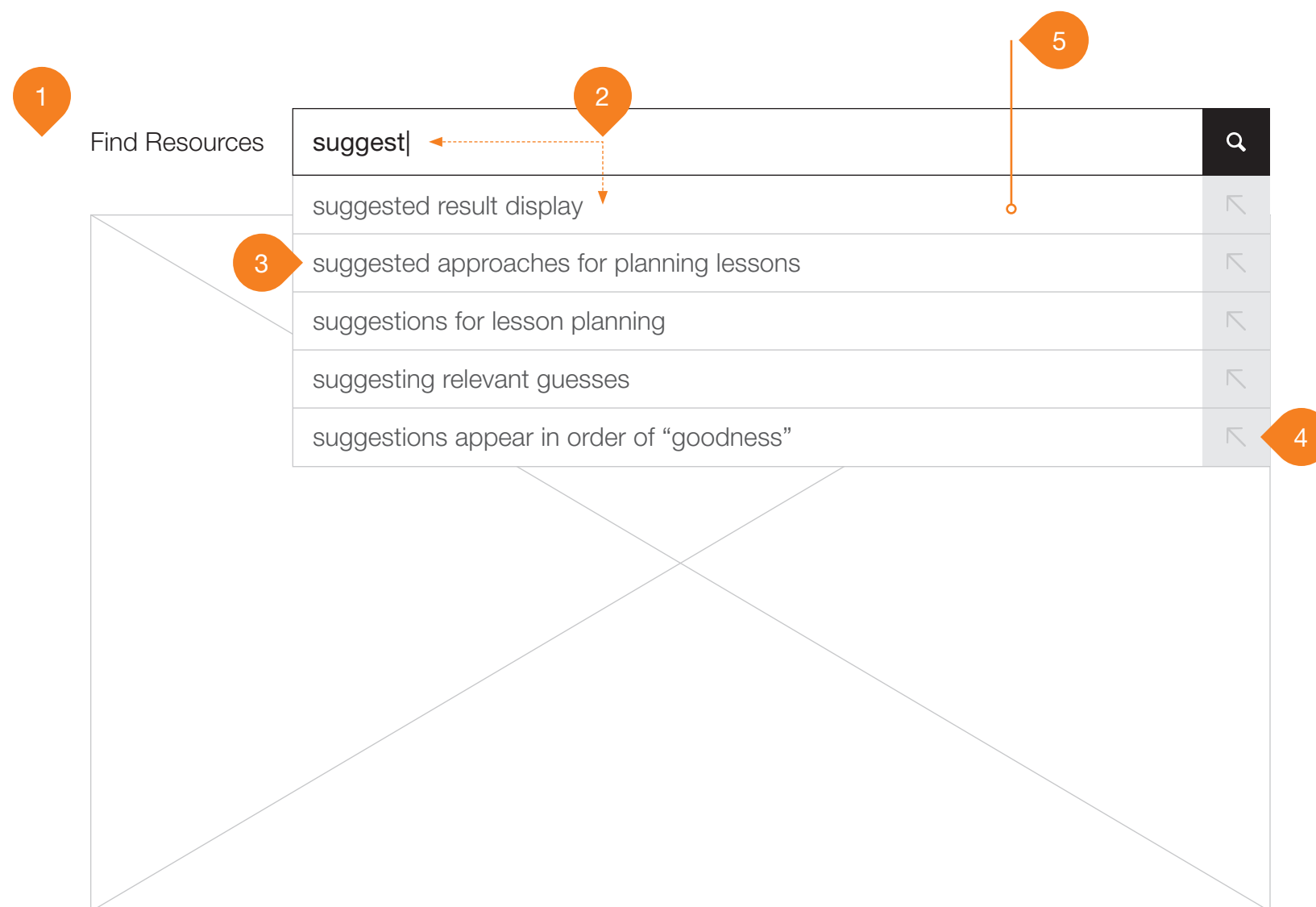
4. Hint Text

Hint Text appears as illustrated for desktop. Hint text should reflect User's environment, e.g., "Tap" instead of "Enter" given a touch UI environment.

5. Suggestive Search Results Display Panel

Panel should deploy at the highest level of content display order. Corresponding Suggestive Search Result information should display as illustrated.

SEARCH QUERY WIDGET - SUGGESTIVE DISPLAY



NOTES

1. Search Query Widget Suggestive Search Results Display State

Suggestive Search Results Display State shows the results of the baseline search connection between the UI and SOLR.

2. User Search Input

Inputted text by User in the Search Field Area triggers the SOLR Recommendation Engine, displaying suggestive search results as illustrated.

3. Suggestive Search Result List

Suggested Search Results displayed, in order of "goodness", as determined by the Recommendation Engine.

4. Input Button

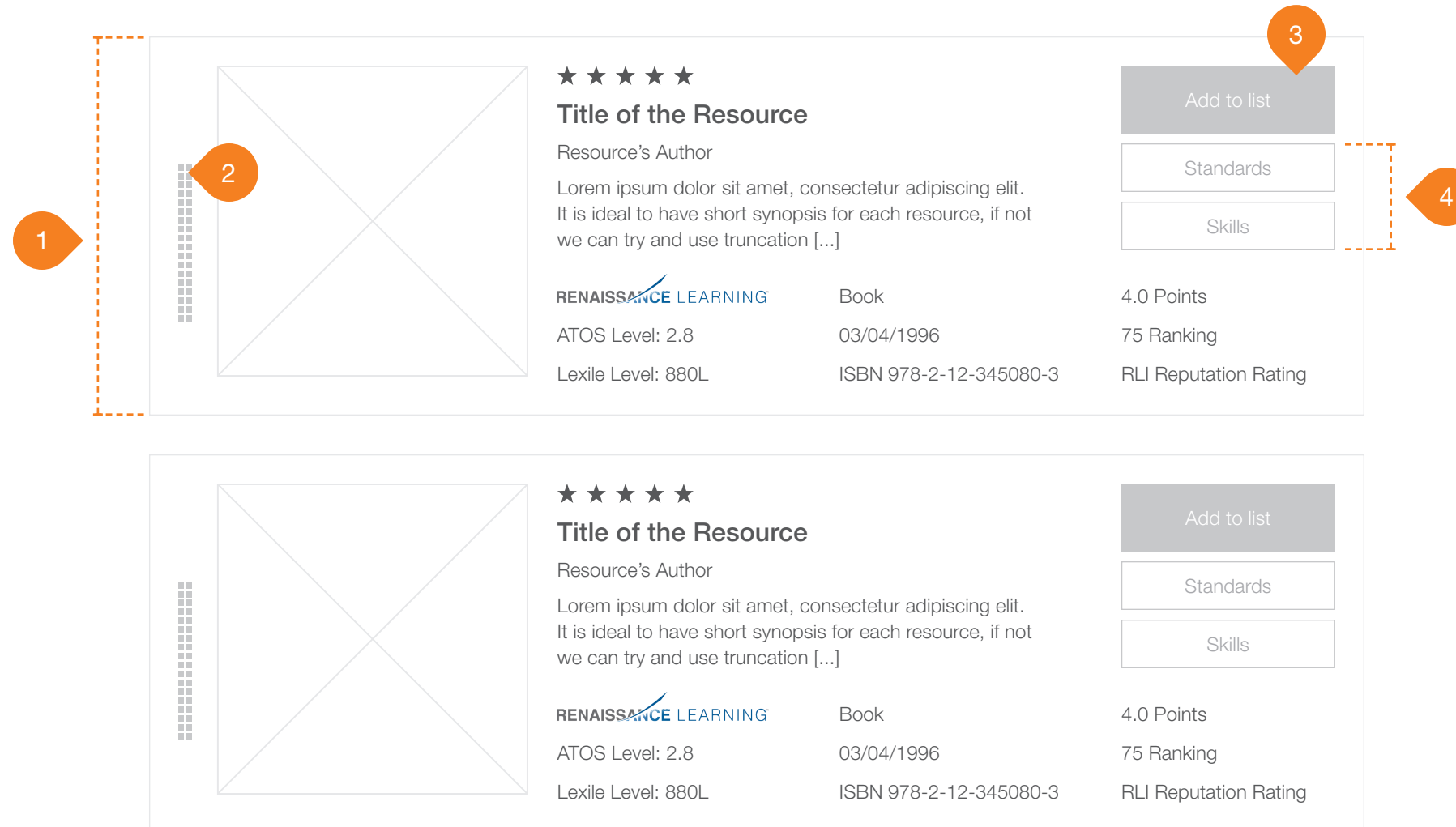
On Click or On Tap given the User's environment, inputs the corresponding suggested result into the Search Field Area.

5. Suggestive Search Results Display Panel

Panel should deploy at the highest level of content display order. Corresponding Suggestive Search Result information should display as illustrated.

USER STORY 2:
SEARCH RESULTS LIST -
RICH RETURN
ADDITIONAL
EXPLORATION

SEARCH RESULT LIST - RICH RETURN - LIST ITEM



NOTES

1. List Item UI

Displaying all elements associated with the resource.

2. Drag Indicator

Allows the User to drag the resource to a Working List. Hotspot needs to be defined.

3. Add to List Button

Easily let the User add the resource to a Working List with One Click.

4. Standards and Skills Buttons

On Click will launch a modal window that displays Standards/Skills List tagged with the resource.

Although it takes one more click to view the content, this allows for max content to be displayed.

SEARCH RESULT LIST - RICH RETURN - LIST ITEM - MODAL WINDOW

1

2

3

4

Title of the Resource
 Related Standards:
 CCSS.ELA-LITERACY.RL.5.1
 CCSS.ELA-LITERACY.RL.5.2
 CCSS.ELA-LITERACY.RL.5.3
 CCSS.ELA-LITERACY.RL.5.4
 CCSS.ELA-LITERACY.RL.5.5
 CCSS.ELA-LITERACY.RL.5.6
 CCSS.ELA-LITERACY.RL.5.7

Key Ideals and Details:
CCSS.ELA-LITERACY.RL.5.1
 Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
CCSS.ELA-LITERACY.RL.5.2
 Determine a theme of a story, drama, or poem from details in the text, including how characters in a story or drama respond to challenges or how the speaker in a poem reflects upon a topic; summarize the text.
CCSS.ELA-LITERACY.RL.5.3
 Compare and contrast two or more characters, settings, or events in a story or drama, drawing on specific details in the text (e.g., how characters interact).
Craft and Structure:
CCSS.ELA-LITERACY.RL.5.4
 Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.

ATOS Level: 2.8 03/04/1996 75 Ranking
 Lexile Level: 880L ISBN 978-2-12-345080-3 RLI Reputation Rating

NOTES

- 1. Modal Window**
 Provides maximum screen real estate for detailed content regarding the Standards List
- 2. Tagged Standards List**
 List of all the Standards tagged with the resource.
- 3. Detailed Content**
 Contains all details for each Standard tagged with the resource.

 Content based from:
<http://www.corestandards.org/ELA-Literacy/RL/5/>
- 4. Close Buttons**
 Closes the modal window returning to the search results display.

SEARCH RESULT LIST - RICH RETURN - LIST ITEM

1

2

3

4

Add items to list

★★★★★
Title of the Resource
Resource's Author
Lorem ipsum dolor sit amet, consectetur adipiscing elit. It is ideal to have short synopsis for each resource, if not we can try and use truncation [...]

RENAISSANCE LEARNING Book 4.0 Points
ATOS Level: 2.8 03/04/1996 75 Ranking
Lexile Level: 880L ISBN 978-2-12-345080-3 RLI Reputation Rating

Standards
Skills

★★★★★
Title of the Resource
Resource's Author
Lorem ipsum dolor sit amet, consectetur adipiscing elit. It is ideal to have short synopsis for each resource, if not we can try and use truncation [...]

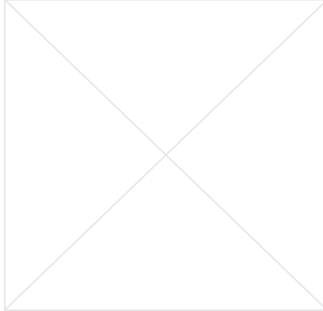
RENAISSANCE LEARNING Book 4.0 Points
ATOS Level: 2.8 03/04/1996 75 Ranking
Lexile Level: 880L ISBN 978-2-12-345080-3 RLI Reputation Rating

Standards
Skills

NOTES

- 1. List Item UI**
Displaying all elements associated with the resource.
- 2. Drag Indicator**
Allows the User to drag the resource to a Working List. Hotspot needs to be defined.
- 3. Add to List Button**
Easily let the User add the resource to a Working List with One Click.
- 4. Radio Button**
Gives the User the ability to select N number of resources to add to a Working List.

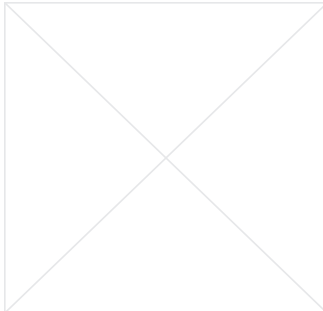

SEARCH RESULT - RICH RESULT LIST



Title of the Resource
by Author
It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

Mime Type Date Identifier

[More details](#)




Title of the Resource
by Author
It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

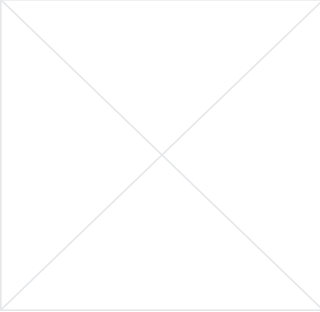
Mime Type Date Identifier
ATOS Level: Lexile Level: User Reputation Rating
Standards List ▲ Skills List ▼ Point Value

CCSS.ELA-LITERACY.RL.5.1
Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text

[Hide details](#)




SEARCH RESULT - RICH RESULT LIST




Title of the Resource

by Author

It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]




★★★★★



Add to list

Mime Type
Date
Identifier


[More details](#)




Title of the Resource

by Author

It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]



★★★★★



Add to list

Mime Type
Date
Identifier

ATOS Level:
Lexile Level:
User Reputation Rating


Standards List ▲
Point Value

CCSS.ELA - LITERACY.RL.5.1

CCSS.ELA - LITERACY.RL.5.2

[Hide details](#)


Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.




Title of the Resource

by Author

It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]



★★★★★



Add to list

Mime Type
Date
Identifier

[More details](#)

SEARCH RESULTS LIST - RICH RETURN - CLASSIC PAGINATION

Find Resources

Search

Working list ^

Group 1 v

Group 2 v

Group 3 v

Group 4 v

Group 5 v

Filtering UI

50 results found

Sorting UI

Book

ATOS Level: 2.8

Standards List v

03/04/1996

Lexile Level: 880L

Skills List v

ISBN 978-2-12-345080-3

75 Ranking

4.0 Points

Add to list

Title of the Resource

Resource's Author

It is ideal to have short synopsis for each resource, if not we can always try to use truncation [...]

RENAISSANCE LEARNING

★★★★★

RLI Reputation Rating

→

Book

ATOS Level: 2.8

Standards List v

03/04/1996

Lexile Level: 880L

Skills List v

ISBN 978-2-12-345080-3

75 Ranking

4.0 Points

Add to list

Book

ATOS Level: 2.8

Standards List v

03/04/1996

Lexile Level: 880L

Skills List v

ISBN 978-2-12-345080-3

75 Ranking

4.0 Points

Add to list

You're viewing 7-11 of

◀ 1 2 3 4 5 6 7 8 9 ▶

NOTES

1. Search Results Paginated
 List items with classic pagination method. Displaying X number of search results. In this instance, 6 results are being displayed on each page. Results 7-11 are on page 2.

USER STORY 10:
SEARCH RESULTS LIST -
NULL RETURN
ADDITIONAL
EXPLORATION

SEARCH RESULTS LIST - NULL RETURN

Find Resources

We've found 0 results for your search query
Check your spelling or try again with some different keywords.

Find Resources

Searched for **asdf**

We've found 0 results for your search query.

Suggestions:

- Make sure all words are spelled correctly
- Try different keywords.
- Try using more general keywords.
- Try using fewer words.

THANK YOU



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