

FEBRUARY 16, 2015

**COG1** + RENAISSANCE LEARNING

SEARCH CONTROL  
PHASE 1  
UXD INITIAL FINDINGS

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# Overview

What follows are Initial UXD Findings for the Renaissance Learning Search Control Project.

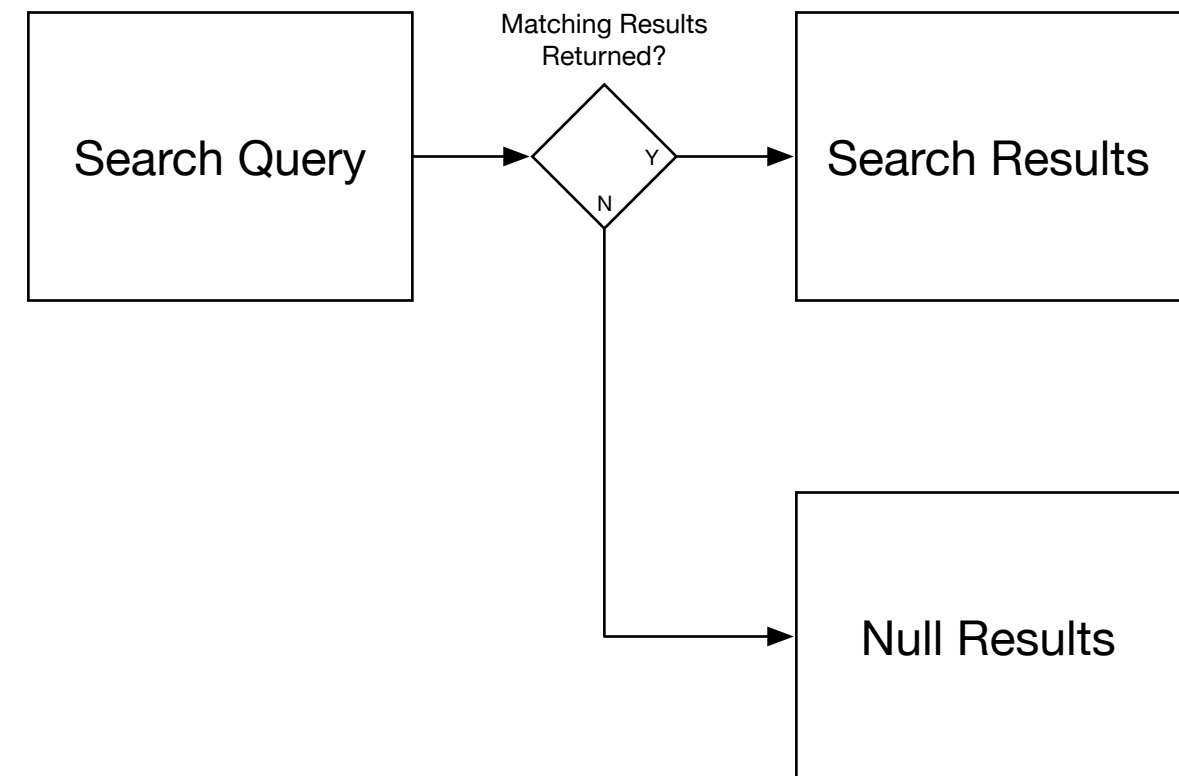
# INITIAL UXD FINDINGS

What is the Search Control ask from a UXD perspective?

Starting with high level flow work, we chart the interaction process. As a result high level functional relationships begin to surface.

### 3 FUNCTIONALLY RELATED BUCKETS

- Activities related to initiating a search query
- Search Results with matching results returned
- Null Results



## Bucket stories into 3 groups

Each Phase 1 User Story can be bucketed into 3 groups, each bucket correlating to high level page states.

### SEARCH QUERY

- Story 1: Search Query Widget
- Story 3: Display N Filters
- Story 8: IE8 Fallback

### RESULTS (RICH RETURN)

- Story 2: Search Results List
- Story 3: Display N Filters
- Story 6: Integrate Reputation Widget
- Story 8: IE8 Fallback
- Story 13: Show Relationship of a Resource to LP

### RESULTS (NULL)

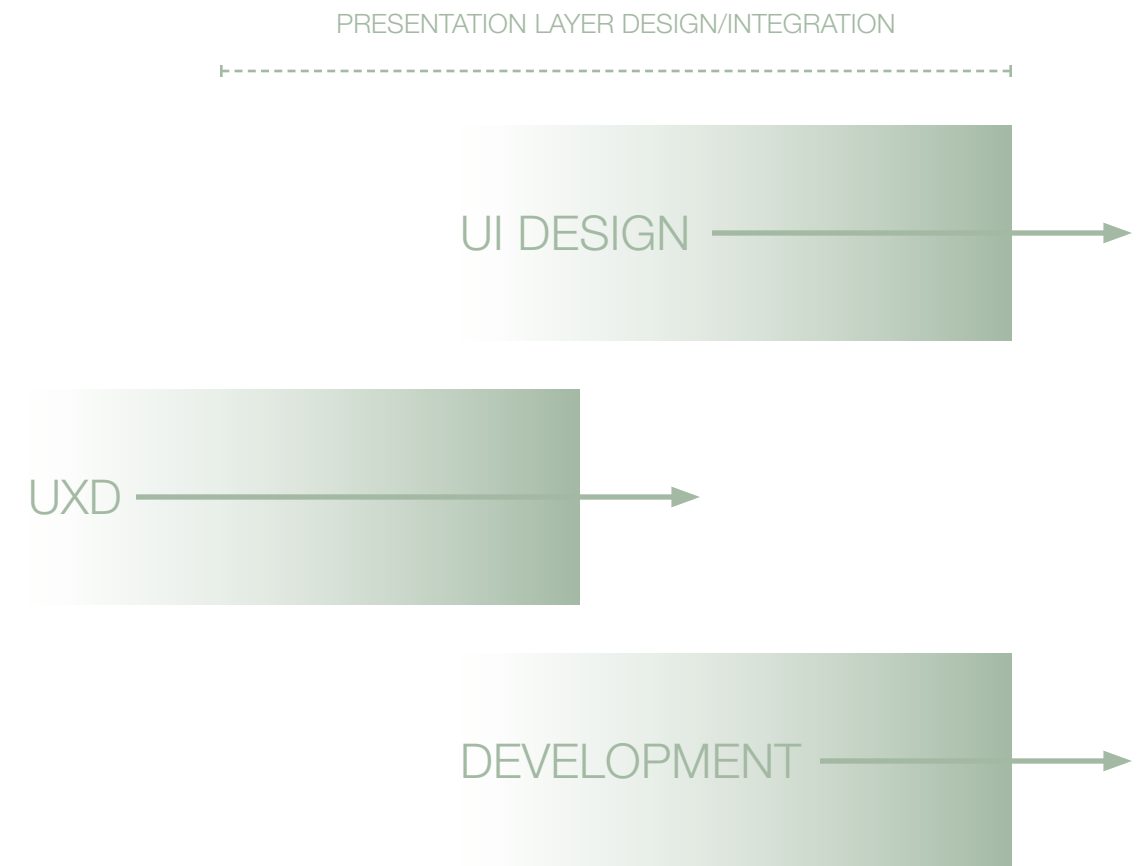
- Story 8: IE8 Fallback
- Story 10: Handle “No Results”

## Design UI Step 1. Generate Design Documentation

Offsite components of agile teams must articulate design intent with maximum clarity, especially those roles that support development. Rolling handoffs support parallel UI Design and Development work-streams.

### MINIMUM DOCUMENTATION REQUIRED

- Search Query Widget
- Search Results - Rich Return State
- Search Results - Null Return State



# 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.

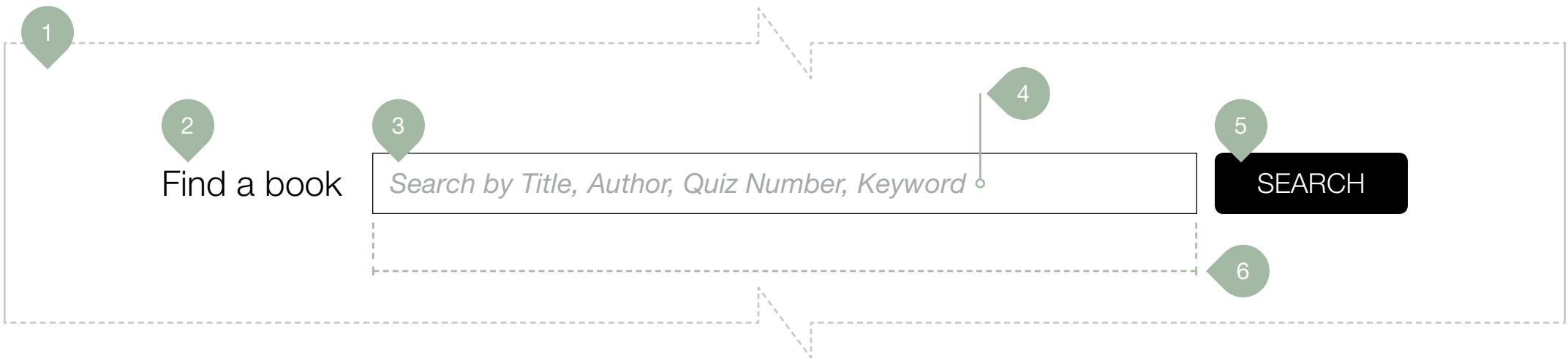
### ACCEPTANCE CRITERIA USER STORY A

- 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.

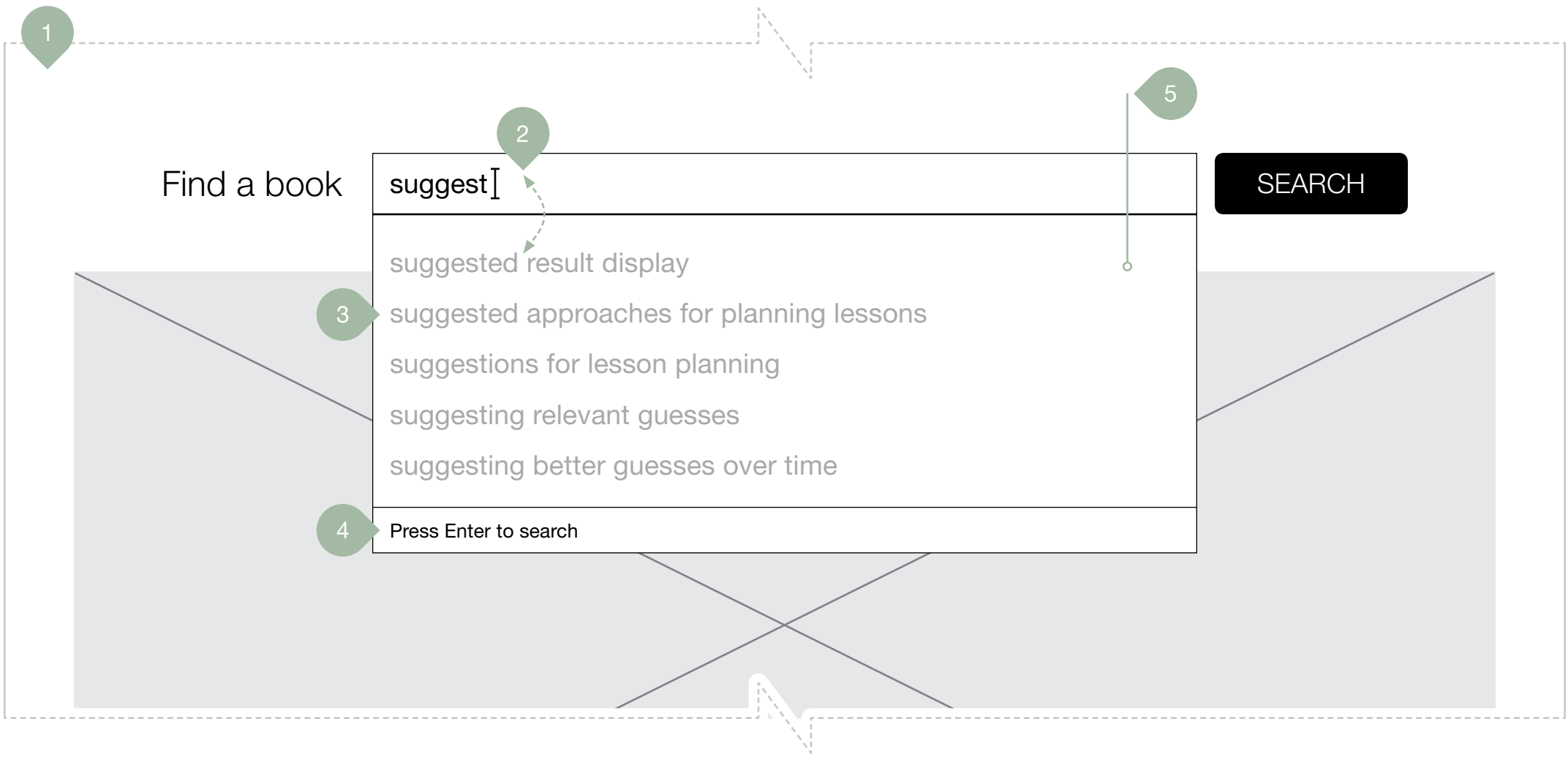
# SEARCH QUERY WIDGET - ANNOTATED



# NOTES

- 1. Search Widget UI**  
Search Query Widget as specified in The Search Control Description of Work.
- 2. Edit (Search) Box Label**  
Edit box UI label should be configurable element.
- 3. Edit (Search) Box UI**  
Edit Box UI should gain focus upon selection by user. Search query Max-Char-Length should be configurable.
- 4. Edit (Search) Box Hint Text**  
Hint text in the Edit Box UI should be configurable as input into search widget.
- 5. Search Button CTA**  
Button UI label should display text or image configurable by the calling code.
- 6. Edit (Search) Box Appearance**  
Edit (Search) Box UI appearance should configurable by length.

# SEARCH QUERY WIDGET - SUGGESTIVE DISPLAY - ANNOTATED



# NOTES

- 1. Search Widget UI Suggestive Search Results Display State**  
In SSR Display State the Search Query Widget should display the results of the baseline search connection between the UI and SOLR.
- 2. User Search Input**  
User inputted text entered into the Edit Box UI element invokes the SOLR Recommendation Engine, results display as illustrated.
- 3. Suggestive Search Result**  
Displayed in order of "goodness", as determined by the Recommendation Engine.
- 4. Hint Text**  
Appears as illustrated for desktop. Text should reflect context, .e.g., "Tap" instead of "Enter" given a touch UI context.
- 5. SSR Display Panel**  
Panel should deploy at the highest level of content display order. Corresponding SSR information should display as illustrated.

SEARCH RESULTS  
RICH RETURN

# Search Results - Rich Return

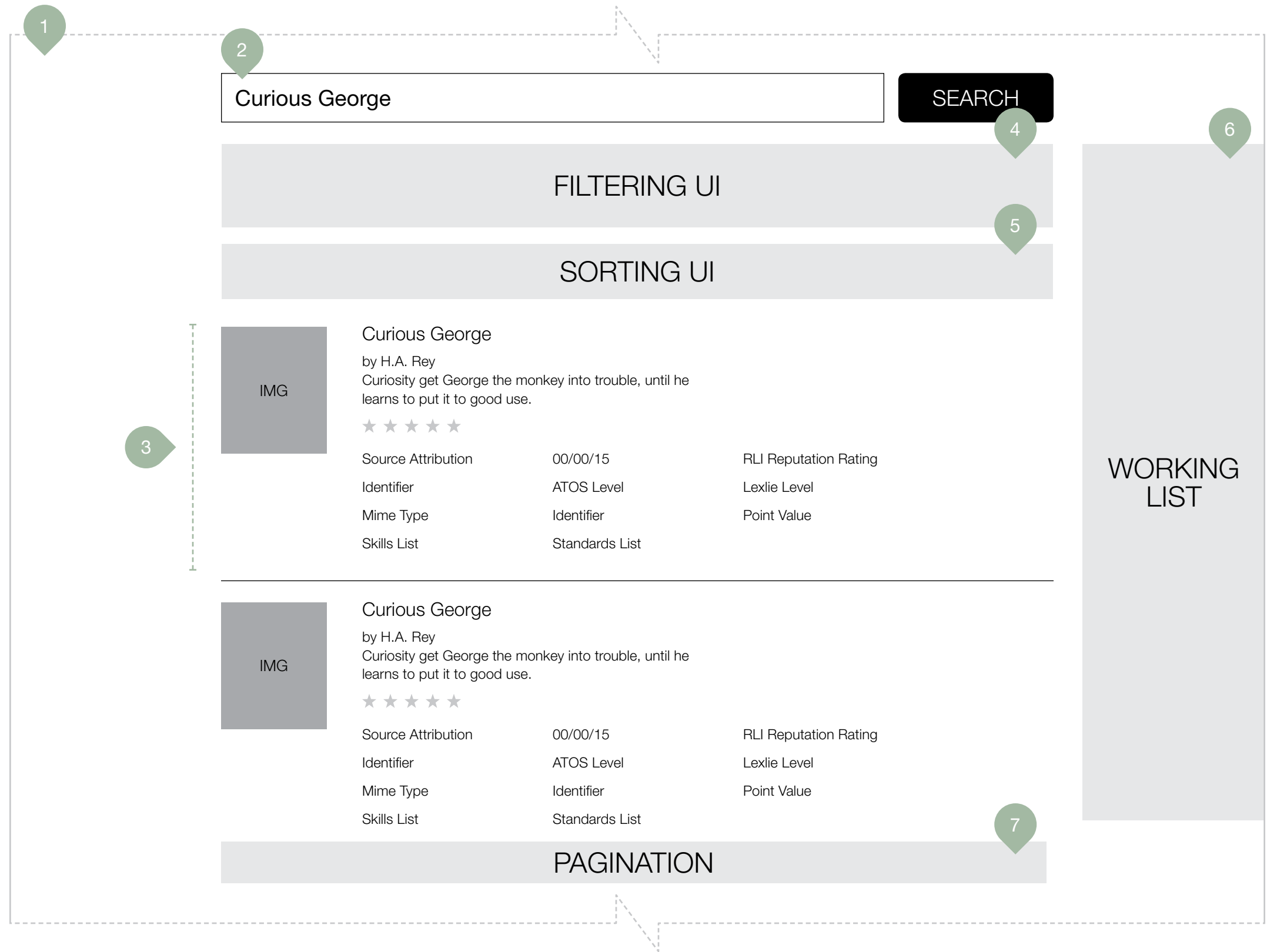
DESCRIBED IN USER STORY 2: SEARCH RESULTS LIST

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:
  - Display Element
  - 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 - 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  
Search results should reflect inputted query text.
- 3. Search Results List Item  
Reflect high level understanding of display requirements. Elements specify display requirements only.
- 4. Filtering UI  
Work to commence.
- 5. Sorting UI  
Work to commence.
- 6. Working List UI  
Work to commence.
- 7. Pagination UI  
Work to commence.

# PROJECT SCHEDULE

# Project Schedule Overview

What follows is an overview of visible Key Dates for Phase 1 of the Search Control project. All dates reflected below are subject to change and confirmation.

## SEARCH CONTROL PHASE 1 KEY DATES

Initial UXD Findings . . . . .	02/16/15
Round 1 UXD Review . . . . .	03/09/15
Round 1 Screen Review (Tentative) . . . . .	w/o 03/09/15



# NEXT STEPS

# Next Steps

Renaissance Learning to provide Style Guide . . . . . w/o 02/16/15

COG1/ Renaissance to confirm responsive design targets . . . . . w/o 02/16/15

COG1 to continue UXD activities

COG1 to identify sprint windows

# THANK YOU



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