Mind Map application of SEL Search Service

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This document describes the features and deliverables of a mind map application of the SEL Search Service as described in the initial project proposal. See also the deliverables described in Search Service Functional Deliverables.

Functional Areas

As shown in figure 1, the mind map application can be divided into three functional areas. Each area is briefly described.

User Interface

The Mind Map Client App is an HTML5 mind map application with standard mind map features of adding and connecting nodes on a surface. See http://en.wikipedia.org/wiki/Mind_map for examples of mind maps.

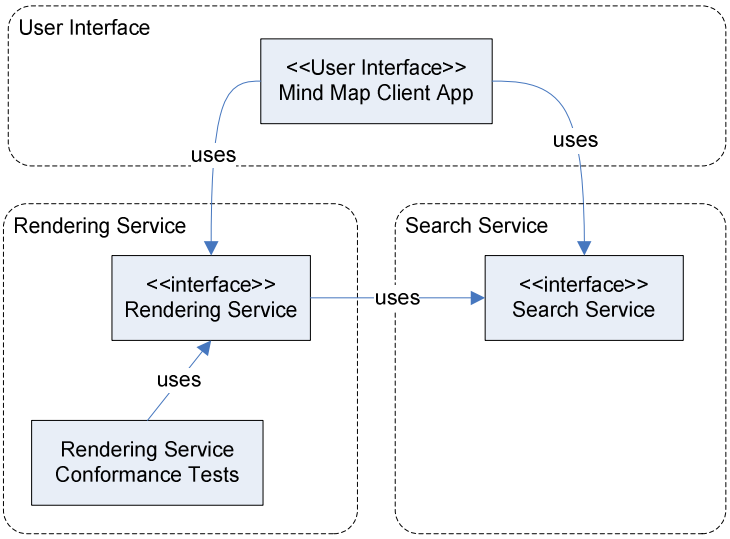

Figure 1: Module View

High level features are:

- Create a new mind map project
- Delete a mind map project
- Integrated search interface that interacts with the SEL Search Service.
    - Allows user to search for data in via the Search Service.
    - Allows user to add documents to the Search Service.
- Drop a search result on the mind map, which is in turn represented as a mind map node.
- A search result node on the mind map is represented as a thumbnail rendering of the search result.
    - The user is shown an expanded legible view of the search result by mousing-over/tapping the node.
- Support for opening a search result node's full document in an additional browser tab.
- Support for ad hoc text notes
- Support for ad hoc images
- Support for mind map nodes that are not linked to search results.
- By default, mind map projects are saved to a searchable data store, which means the map projects themselves are searchable documents.
- Export a mind map project to disk

- This includes all the linked documents, where possible.

Search Service

The Search Service is described in the Search Service Functional Deliverables document.

Rendering Service

The Rendering Service is a RESTful web service that renders document content into visual artifacts for a given user interface application, such as the Mind Map. The RESTful interface provided will be documented and described such that a third party could create a correct implementation. The conformance tests are an executable suite of tests that validate the correctness of a Rendering Service implementation.