Theme: Shanghai library FOLIO project

Time: August 25, 2020 07:00pm (EST) / August 26, 2020 07:00am (GMT+8)

Link to Zoom meeting

https://zoom.us/j/98935865023?pwd=S0tQL25VWGhUMk5NbWRnaXJDTkdGUT09

Attendees:

Vincent Bareau (Enterprise Architect, EBSCO)

Mikhail Fokanov (Solution Architect, epam)

Gang Zhou (Project manager, Shanghai library)

Sha Jiang (Technical Director, Jiatu)

Lucy Liu (Product Owner, Folio China)

Notes:

1. ElasticSearch

(1) Interfaces

Mikhail:

about this code:
https://gitlab-folio.library.sh.cn/sl/mod-search-es/-/blob/master/src/main/java/org/folio/rest/impl/ElasticIndexSearchService.java.

Here in `addToMust, addToShould, buildESBoolRangeByColumn and others` you make some kind of DSL for construction of ES queries. But there is already one: https://www.elastic.co/guide/en/elasticsearch/client/java-rest/master/java-rest-high.html with boolean operators and everything else.

Sha Jiang: Our current interface has connected to the modules at SHL and can't be changed. The native parameters can be used as a new interface that can be implemented separately. But it's not in our current plan.

(2) Copy&Paste RMB

(3) Multi-tenancy

Multi-tenancy was not included in Shanghai's original plan. Mikhail reminded that multi-tenancy was not a feature, not a checkbox we could use directly in the ES. We could do multi-tenancy if we work with it correctly. In the Search document on wiki, *ES aliases* was strongly recommended for handling cross-tenant search. Check the document and send questions if needed. Sha Jiang agreed to add it to the design and send Mikhail a proposal.

(4) Mappings

Mikhail mentioned that there are multiple features in the ES. The Shanghai team can choose to do the must and should. Mikhail asked how mappings would be created? Sha Jiang clarified that mappings would be stored in the database. When we create indexes, data will be joined by the mappings. Mikhail was interested in seeing the mappings. Sha Jiang responded that it would be available in the next commitment.

(5) Deadlines

Vince commented that the changes Mikhail suggested would delay the deadline. Will the Shanghai team delay the completion to pursue a better solution or keep the rigid deadline? Sha Jiang responded that changing the code would not be time-consuming. While changes to the design need to be reconsidered. What will probably happen is to complete the original design by the deadline first. Vince suggested if we could implement ES in a better way, it would not be so important to stick to the deadline. There is also rumor that the Q3 release would be postponed. Lucy commented that the current ES deadline was set based on the Q3 roadmap for folio. The team also committed to demo in the next Sprint review. Lucy will discuss it with Cate.

2. **Check the cascading deletion**

   Sha Jiang: When we delete a user card/id, a lot of error messages are received because of the data linked to that card, for example, the loan info. These error messages can be covered from the UI. Is there a high-level solution to solve this problem?

   Vince: We are looking at a long-term solution, which falls under the category of distributed transactions. One solution is to cascade the deletion, i.e., delete the user id, track all the data tied to it and delete. It's dangerous to do so. Another solution is to enable the soft delete of a user. You remove a user from visible space. The user is marked internally as deleted, so he doesn't show up anymore. But the user id is still valid. So the transaction will not be inconsistent. When you do this, you have a cleanup process that runs. After some time, you find the users that need to be purged and delete the users and related transactions. This is the direction the community is going toward.

3. **Anything about serials?**

   Gang Zhou shared a list of items that SHL wanted to know about serials. Lucy attended the implementers meeting and asked some questions. The responses were all recorded in the [meeting notes](#) and were shared with SHL. Vince also reached out to the community and learned that some work in receiving and check-in were ongoing. Integrating vendor catalog is not planned at all. Vince suggested Lucy to identify the things that are not currently planned or don't exist for folio and create a feature for them. Lucy will check with Cate and the other POs to compose the list and create the feature on Jira.

   Followup communications: Lucy talked to Cate, Dennis (Acquisition) and Charlotte (Inventory) to discuss the list. Dennis commented that the acquisition related features had been captured in UXPROD-194, UXPROD-2373 and UXPROD-190 and much of the functionality regarding vendor catalog management, managing volumes and issues, cataloging and bounding would happen in the Inventory UI. Archival of back issues and bound volumes belong to Charlotte. Discussion to be continued.

4. **SRS documentation**

   Vince mentioned in the last meeting that the community was working on a new SRS design, which would be released Q3. Lucy asked whether we need to contact Taras to get the documentation. Vince commented that the draft document was being reviewed. Reviewers have added comments on the Google doc. Lucy will get the permission to access that document.

To do:

- Mikhail will post his questions about ElasticSearch on the #searchengine channel. (done)
- Sha Jiang will
    a. post the responses to Mikhail's questions to the #searchengine channel; (done)
    b. change the completed code accordingly; and (ongoing)
    c. include multi-tenancy in the design and send Mikhail the proposal.
- Vince will grant Lucy the permission to access the SRS document on Google Drive. (done)
- Lucy will
    a.
    b. create a feature for serials to reflect the things currently don't exist and not planned for folio; (ongoing)
    c. send a copy of the SRS document to Gang Zhou once the permission to access the draft on Google Drive is granted. (done)