Reviewer: Nadeem Haidar

Code under review: [commit 89c219612fd4c7df45f4f0952922365220eaa23f](#)

Date of review: Nov. 11, 2015

Author of code: Andres Moreno

Report type: **BUG – MERGE FEATURE NOT FUNCTIONING**

How to reproduce:

1. Open Zotero
2. Open Gear menu ⚙
3. Open 'Zotero EXTended' window
4. Click 'Merge tags' tab
5. Select 1 or more tags to be merged
6. Click 'Merge'
7. Enter new tag name into the prompt
8. Click OK

   Expected Result: All Items in Library with one or more of the checked tabs should have the new tag added to them + All checked off tags should have been deleted.

   Actual Result: Nothing occurs, the JavaScript crashes and no tags are neither created, nor removed.

Location of bug in code (lines 68-69): mergeTags(tags, newName) function in

chrome/content/zoteroEXTended/ExtBatch.js

```
61  +      /**
62  +       * Merge given tags tags to newName
63  +       * @param {String[]} tags - the list of tags you want to merge
64  +       * @param {String} newName - the name of the tags that they'll merge to
65  +       */
66  +      mergeTags: function(tags, newName) {
67  +              // Loop through all the tags and rename them to newName
68  +              tags.forEach(function(tag) {
69  +                      entry.addTag(tag);
70  +              });
```

   According to the docstring, every tag in tags should get a new tag with the name, newName.

   Line 68-69 loops through every tag that was checked off in the window, and for each tag, adds it to 'entry' which is undefined.

Fix: FIXED BY JUNAID AS OF commit 251722012a015ddcfc570a75124c347577242a38

chrome/content/zoteroEXTended/ExtBatch.js

```
78          mergeTags: function() {
79                  var tags = Zotero.zoteroEXTended.getSelectedTags('merge-tag-list');
80
81                  var newName = Zotero.zoteroEXTended.ZEXTwindow.prompt("Please enter the new tag name");
82
83                  for (var i = 0; i < tags.length; i++) {
84                          var items = this.findIdsByTag(tags[i]);
85                          this.addTags(items, newName);
86                  }
87
88                  this.removeTags(tags);
89                  Zotero.zoteroEXTended.loadTags(); // reload tags in all 3 tabs
90
91          }
```

The function no longer takes any parameters, line 79 now will obtain the listbox from the merge tab from the DOM.

Lines 83-86 then loop through every tag that was checked off, find all items in the library that match that tag and give them the new tag that was entered into the prompt.

Lines 88-89 then removes the old tags from the Library and reloads the 3 list boxes to refresh the 3 tabs.

Reviewer: Nadeem Haidar

Code under review: commit e63fb4ecf597c884c96b6994536c3a355a8d3e35

Date of review: Nov. 11, 2015

Author of code: Junaid Patel

Report type: **BUG – ONLY FIRST TAG IS LOADING INTO LISTBOXES**

How to reproduce:

1. Open Zotero
2. Insert 2+ tags into library
3. Open Gear menu ⚙
4. Open 'Zotero EXTended' window
5. Click 'Remove tag'/'Edit tag'/'Merge tags' tab

Expected Result: All of the tags in the Library should be displayed in a listbox.

Actual Result: Only the first tag is displayed.

Location of bug in code (line 52): loadTags() function in
chrome/content/zoteroEXTended/ZoteroEXT.js

```
49          loadTags: function() {
50                  var removeList = this.ZEXTwindow.document.getElementById('remove-tag-list');
51                  var editList = this.ZEXTwindow.document.getElementById('edit-tag-list');
52   +            var mergeList = this.ZEXTwindow.document.getElementById('merge-tags-list');
53                  // Search for all tags
54                  var allTags = Zotero.Tags.search();
55                  for (var id in allTags){
     @@ -68,6 +69,7 @@ Zotero.zoteroEXTended = {
69
70                          // Add the rows to the respective listbox's
71                          removeList.appendChild(row);
72   +                    mergeList.appendChild(row);
```

Line 52 loads the mergeList listbox for tags from the DOM using id 'merge-tags-list'

Then line 72 attempts to add a row into the listbox and crashes because mergeList has a null value. This is because the id specified on line 52 is defined as 'merge-tags-list' but the element is given id 'merge-tag-list' in ui.XUL.

Fix: FIXED BY NADEEM AS OF [commit fdff6233b2575594167fc1000e3b12accda00618](#)

chrome/content/zoteroEXTended/zoteroEXT.js

```
48          loadTags: function() {
49                  var removeList = this.ZEXTwindow.document.getElementById('remove-tag-list');
50                  var editList = this.ZEXTwindow.document.getElementById('edit-tag-list');
     -            var mergeList = this.ZEXTwindow.document.getElementById('merge-tags-list');
51   +            var mergeList = this.ZEXTwindow.document.getElementById('merge-tag-list');
```

The fix is a simple change from 'merge-tags-list' to 'merge-tag-list'.