**Deliverable 5 - Code Inspection**

**Reviewed By:** Elliot Cho

**Code under Review:** Custom Forms Plugin

* …src\extensions\zotcustom\_form\chrome\content\createField.xul
* …src\extensions\zotcustom\_form\chrome\content\customItemPane.xul
* …src\extensions\zotcustom\_form\chrome\content\add\_button.js

**Review Date:** 24/11/2015

**Code Author:** Wei Cong Su & Elliot Cho

**Bugs:**

(Currently incomplete; will comment on bugs of working sections, and some missing components)

* Adding new fields currently tries to add fields into the Zotero database, rather than a separate plugin database. This means that the new fields will be removed after a reload of Zotero, which is not optimal.
  + A suggested solution to this is the creation of a database specifically for the plugin that will store the new fields.
* New fields do not display properly in the UI. The user has no way of knowing that their new field has been added unless they look through the backend.
  + Try adding the new fields be loaded and displayed in the tabpanels under the correct item that it was applied. This will require one to update the list of fields with the new one.
* The ‘Add’ button for adding new fields still displays for items that are in the trash, even though those items shouldn’t be changeable.
  + To recreate, move an item to trash, and then select it in the trash folder.
  + Try finding how the add buttons in the other tabs are removed for trash items, and apply that to this button as well.

**Code Logic:**

* Coding logic of ‘createTabPanels’ in customItemPane.js is prone to errors upon updates or changes to Zotero.
  + It would be better to record tab items and re-order them with their records, rather than try to make them from scratch. Something similar is already done with the non-item tabs – try to do that with this tab as well.
* Currently, add\_button.xul doesn’t actually add any UI elements.
  + This file could be removed after initialising createField.js from a different file.

**Coding Style:**

* For createTabPanels, the code is unsightly to look at due to lines of repetition.
  + The above fix to createTabPanels would also solve this issue.

**Missing Documentation:**

* Documentation could be improved with some more information (in customItemPane.js) but is mostly thorough enough.

**Testing:**

* No method of testing implemented.
  + Recommend manual testing.