Biren Patel

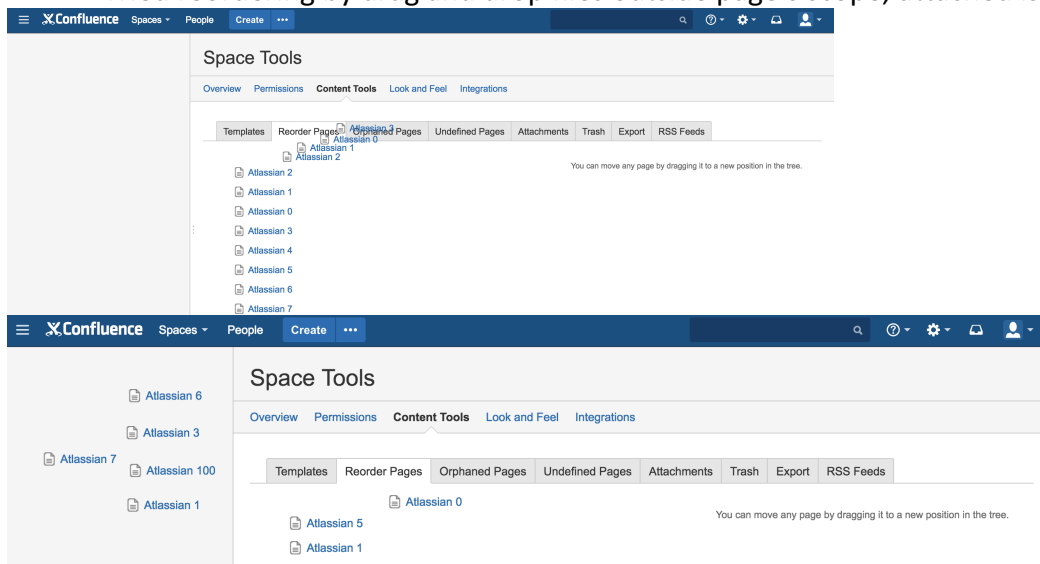biren86@gmail.com

Atlassian QA Hiring – Technical Exercises

Exercise 2 – Exploratory Testing

Approach:

- My approach towards testing Page Tree was to create files and do ad-hoc testing while manipulating the files (drag & drop, delete/restore, rename/sort, expand/collapse, change & manipulate hierarchy, test boundaries (# of files), files permission) with the purpose of making sure the feature works as expected. I was trying to understand the feature while I was testing, scope was to test outside the happy flow and find hidden bugs.
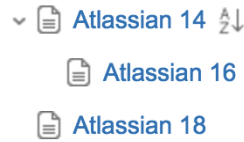
Test Executed and Bugs Found (Time: 30 Mins):

- Tried to check if there is any default sort order
- Tried reordering by drag and drop files outside page's scope, attached is a screenshot
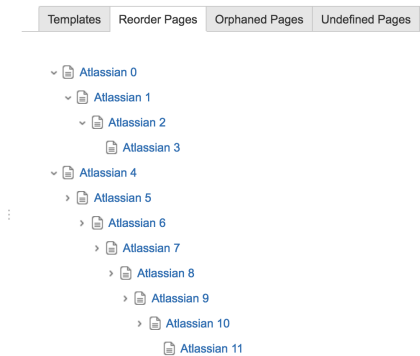

- Tried adding/removing child to/from a grandparent
- Tried adding/removing child to/from a parent
- Tried adding/removing parent to/from child
- Tried adding/removing parent to/from parent
- Tried adding/removing grandparent to/from child
- Tried adding/removing grandparent to/from grandchild
- Tried adding to itself, same parent and same grandparent
- Tried adding/removing grandparent-parent-child hierarchy to/from grandparent-parent-child hierarchy
- Tried adding/removing grandparent-parent-child hierarchy to/from parent-child-child hierarchy
- Tried deleting/restoring grandparent, parent & child nodes, doesn't resets as parent node
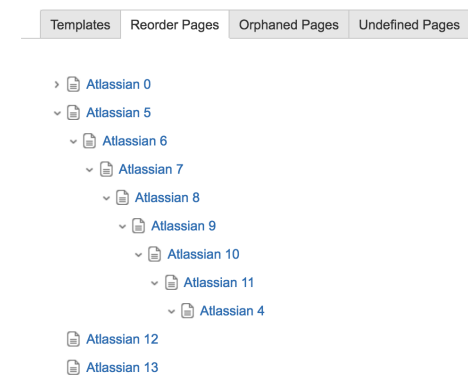- Tried expand/collapse tree structure

- Tried "Sort Alphabetically" & "Undo sorting" feature with parent having more than one child
- "Sort Alphabetically" & "Undo sorting" feature stays when there is only one child, but doesn't show up when there is only one child
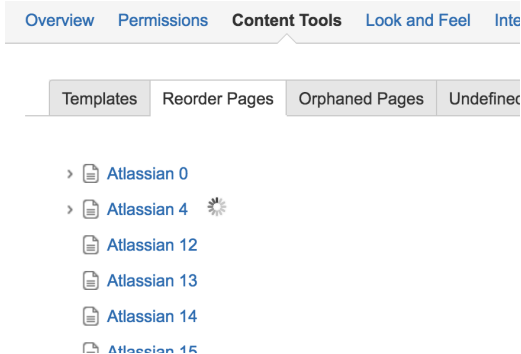
> - Atlassian 14 ⇅
>   - Atlassian 16
>   - Atlassian 18

- Tried expand parent, children remain in collapsed state even when all children are displayed, attached is screenshot

> | Templates | Reorder Pages | Orphaned Pages | Undefined Pages |
>
> - Atlassian 0
>   - Atlassian 1
>   - Atlassian 2
>   - Atlassian 3
> - Atlassian 4
>   - Atlassian 5
>   - Atlassian 6
>   - Atlassian 7
>   - Atlassian 8
>   - Atlassian 9
>   - Atlassian 10
>   - Atlassian 11

- Test: take a child and remove from root, add root as child to last node, expand button is shown even when it has no children, attached is the screenshot

> | Templates | Reorder Pages | Orphaned Pages | Undefined Pages |
>
> - Atlassian 0
> - Atlassian 5
>   - Atlassian 6
>   - Atlassian 7
>   - Atlassian 8
>   - Atlassian 9
>   - Atlassian 10
>   - Atlassian 11
>   - Atlassian 4
> - Atlassian 12
> - Atlassian 13

- Tried reordering hierarchy and clicked back button, page is stuck, attached is screenshot

> Overview Permissions **Content Tools** Look and Feel Inte
>
> | Templates | Reorder Pages | Orphaned Pages | Undefined |
>
> - Atlassian 0
> - Atlassian 4
>   - Atlassian 12
>   - Atlassian 13
>   - Atlassian 14
>   - Atlassian 15

Further Testing:

- o Test when two different users are concurrently manipulating the file hierarchy at the same time
- o Test "Sort Alphabetically" & "Undo sorting" feature with different alphanumeric, case-sensitive and special characters in file name
- o Test when one user is ordering a file, while the other user have deleted the same
- o Test ordering hierarchy structure of files, for users with different permissions
- o Performance: when the file list is large, try out different features of the product
- o Performance: test features with different file sizes
- o Test concurrent manipulation and ordering

NOTE: Tests were prioritized and executed with the given time (i.e. 30 mins) into consideration.