Answers for Exploratory testing

30 minutes of exploratory testing was done on a feature where a user can set view and edit restrictions on a page.

Approach: Explored the feature and Identified main areas of focus such as different types of access (such as view, view and edit, view edit and comment) and different levels of permission (such as space and page) and played around with these parameters. Help link on the restriction page also gave a good understanding of the feature and helped with testing.

Scenarios, results and bugs for exploratory testing:

S.no	Scenarios		
	Basic steps before the test scenarios		
1	Create 2 users say user A and user B in confluence		
2	User A creates a new space and a new page under this space		
3	User A added user B as team member of the new space created.		
	Scenario 1	**Results**	**Bugs**
1	Login to confluence as user A and navigate to the new page created. Click on the restriction icon at the top of the page.	Default access is shown as Anyone can view and edit the page.	
2	Choose dropdown option viewing and editing restricted.	Further elements to type username and buttons to add permissions appear.	
3	Type user A in username textbox and choose the user from suggested list and choose 'Can View' as action permitted and click Add button	There is no error message indicating that one can't restrict themselves. No action happens in the page.	There is no error message indicating that one can't restrict themselves. No action happens in the page.

	Scenario 2	Results	Bugs
1	Logged in as user A (page owner), navigate to restriction page and add user B in username text box and choose restriction as 'Can View and Edit' and click Add	A new row with user B's name and restriction appears with Remove link to remove the user from list	
2	Click Inspect permissions and type user B's name and choose permission as 'Can view and Edit'	Link shows that user B is denied permission on 1 level. When there is no space permission, User B must not be allowed to get page permissions. Given that Inspect permission feature must be purchased separately for a basic user, without inspecting the permission, I would not understand why user B is not able to view/edit the page even after giving the permission. (help page mentions this but application handling this use case will give better clarity)	Proper error message or guidance from application to give space permission before giving page permission is not available
	Scenario 3	Results	Bugs
1	Logged in as user A(page owner), navigate to restriction page. choose Viewing and editing restricted and click Add button without entering any names in user name textbox	No error messaging for attempting to add empty user.	No error messaging for attempting to add empty user.

	Scenario 4	Results	Bugs
1	User A has given space permission to User B which includes all the available permissions in the space permission setting page including admin access. Also, user A has set permissions of the page to 'Viewing and Editing restricted' and has given view/edit access to user B	All permissions working as expected	
2	Login as User B and navigate to space permission settings, and remove the row for user B thus deleting all the permissions given from user A	As expected, User B can't return back to the page that was previously viewable and restricted page was shown in place of the old page.	
3	Login as user A and navigate to restriction page and user B is still listed as list of users who can view the page	Space and page permissions are decoupled and this is confusing as a user. When a user lacks space permission, any page under that space must be restricted permissions.	Space and page permissions are decoupled and this is confusing as a user. When a user lacks space permission, any page under that space must be restricted permissions.

| Other bugs |
|---|
| when i add space restrictions with no view access but add/delete page access, there is no error message but no row added as well. |
| When logout link is clicked, a blank page with home and recent links are shown and only after one of those links are clicked, session is logged out and login page is shown. |
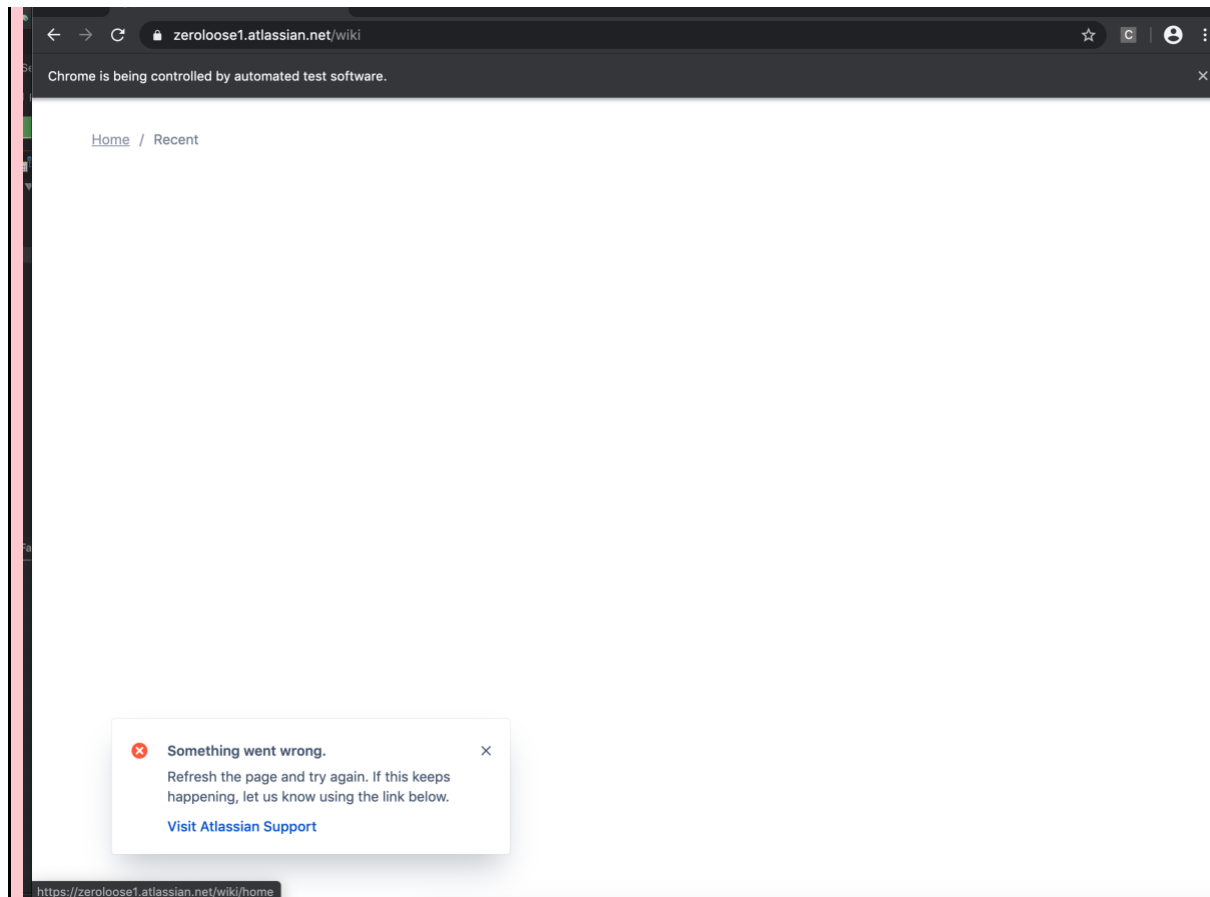
On inspect permission page, contact page author/contact space admin links are shown and default mail content of requesting for page/space access is in place irrespective of whether the page/space access is already existing for that user or not. Contact links can be hidden when permissions to access the page/space exists. and Page/space owner need not be shown these links.

This is an inconsistent issue that happens multiple times but not always. This makes the test runs flaky.
After one of the tests finish and logout is clicked and the same account is used for next test, below page appears even though account has full permissions to view the page.
Page says this is a restricted space.
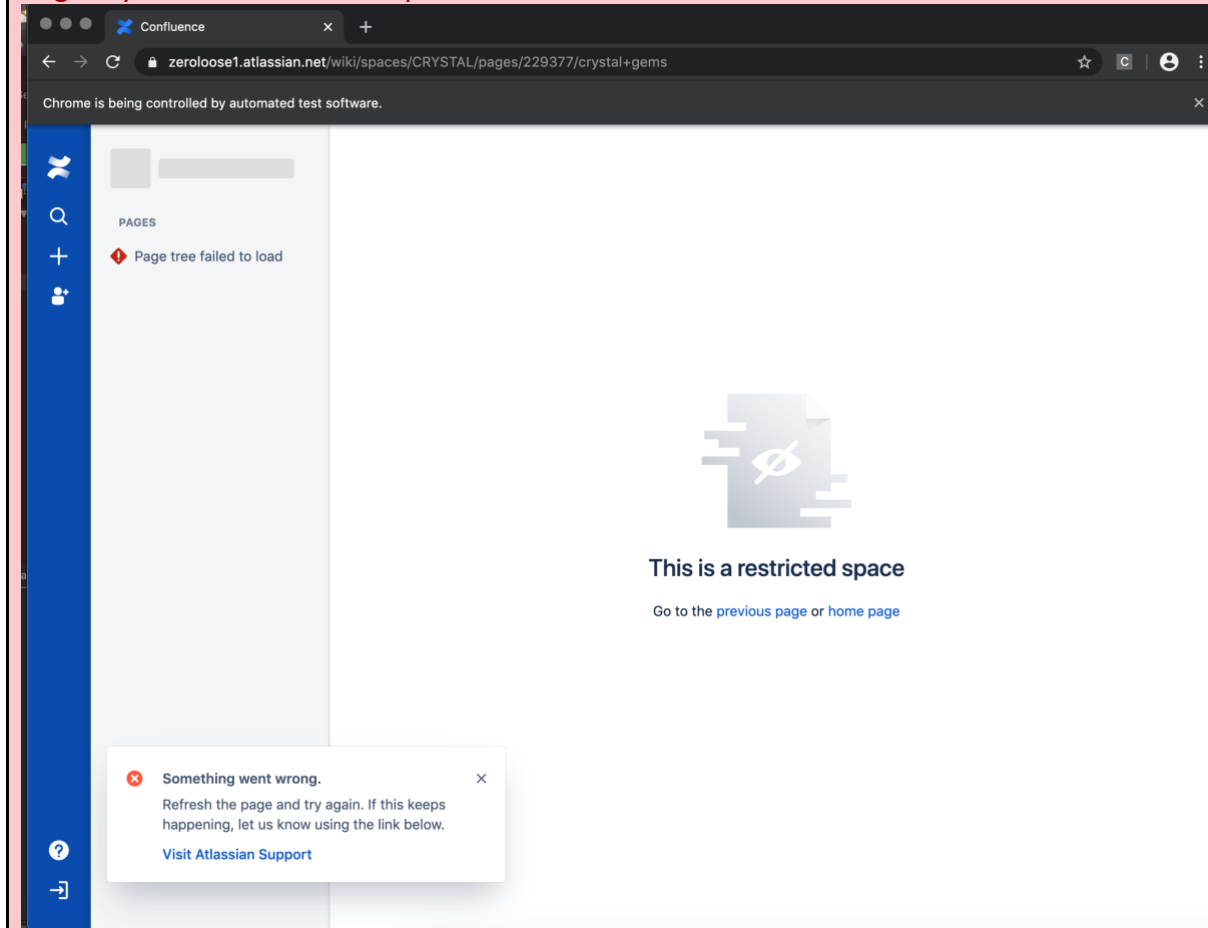
More scenarios to test before shipping:

- Adding a mix of groups and individual members to the restriction list of the same page. Any member in the group who is individually restricted not to have permission on a page should not have page permission even if the group he/she is in has necessary permissions to view the page.

- Testing in different browsers/versions and devices.

- Testing the text box elements for vulnerability like handling JavaScript injection.

- Testing with child pages to validate if permissions are inherited appropriately.

- Individuals in two different groups who have contradicting permissions of the same page. (Additive permissions feature in the help page)

- If email for request and grant permission is working.

- If anonymous users are able to see and edit the page when the access is given.

- If I mention the user with @ and user is present in the restrictions list, check if email notification is sent to @user.

- Database and other back end validations like caching(if present), messaging systems(if present), api response codes and elements returned as part of response