

Overall Evaluation Report

19.09.2022

—

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Backbase

Overview

This report contains the insights, approaches and recommendations found when testing the Backbase blogging application.

Content

1. Test scope
2. Test design techniques
3. Issues report
4. Recommendations

1. Test scope

Functional testing :

Following functionalities are selected as the scope of this testing cycle for both manual and automation testing.

1. Article creation
2. Posting comments

Manual testing :

Manual test cases will be written to cover the above mentioned functionalities. These will aim to have the maximum coverage and will be using test design techniques to identify the maximum number of test cases.

Automated testing :

Selected no. of test cases will be automated. Selection was done based on following factors,

1. Test cases that already failed (As automated regression tests)
2. Frequently used functionality that introduces high risk conditions
3. Tests that takes time to perform manually
4. Tests that require multiple data sets (data driven automated tests used)
5. Tests that tend to cause human error

The automated tests will be in 2 layers,

- When selecting automated tests will have to make sure to follow the test pyramid.



Following decision table was used for scenario publishing article without filling mandatory fields to find the effective test case combinations and to ensure a better coverage for testing. We will be automating the following tests in UI E2E level with data driven tests.

[illegible]

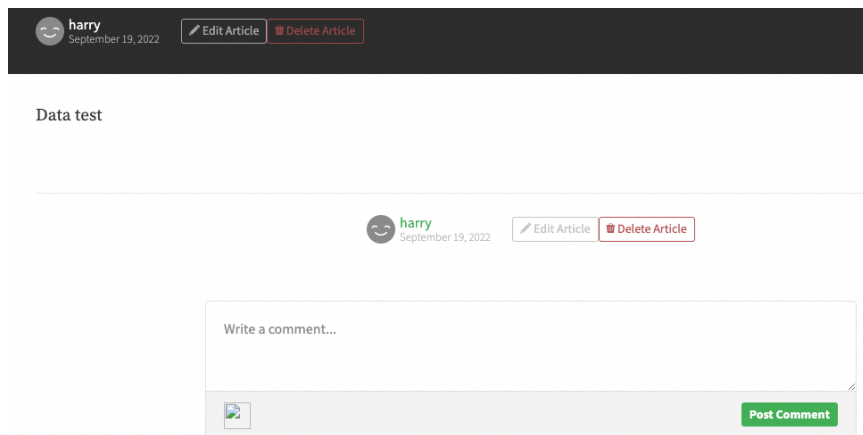
3. Issue report

Issue ID	BB_issue_01
Module Name	Post comment
Issue Summary/ Description	Comments are not displayed. Only when posted the comment is displayed, after coming back to the article, the comment is not displayed
Steps to reproduce	<ul style="list-style-type: none">• Type a comment• Click 'Post comment'• Go to home page• Open the newly commented article
Test Data	–
Expected result / Suggestions	Posted comments are displayed in comments section
Actual result	No comments are displayed
Severity	Critical
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Issue ID	BB_issue_02
Module Name	Create article
Issue Summary/ Description	User is allowed to publish article without filling mandatory fields, Article Title, Description and article content

Steps to reproduce	<ul style="list-style-type: none"> 1. Click new Article 2. Leave mandatory field empty. 3. Fill article content 4. Publish article
Test Data	–
Expected result / Suggestions	Error message is displayed as "User should fill mandatory fields". Article is not posted successfully.
Actual result	Article is posted successfully. User is navigated to the published article
Severity	Major
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

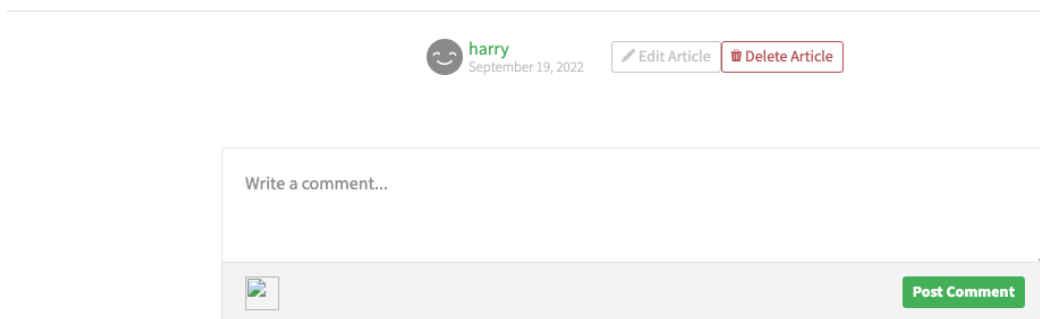
Screenshot :



Issue ID	BB_issue_03
Module Name	Create article
Issue Summary/Description	User is able to publish article without filling all 3 mandatory fields

Steps to reproduce	<ul style="list-style-type: none"> 1. Click new Article 2. Publish article
Test Data	–
Expected result / Suggestions	Error message is displayed as "User should fill Article Title". Article is not posted successfully.
Actual result	Article is posted successfully. User is navigated to the published article
Severity	Major
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Screenshot :



Issue ID	BB_issue_04
Module Name	Create article
Issue Summary/Description	No input character length validation for Article title, Description and content

Steps to reproduce	<ul style="list-style-type: none"> ● Click new Article ● Fill Title with different character lengths ● Fill title with 2000 character ● Fill article about field with 2000 character ● Fill article content with 10 characters ● Publish article
Test Data	–
Expected result / Suggestions	Error message should be shown User should be able to add title with characters 20-500 User should be able to add description with characters 20-500 User should be able to add article content with higher than 20 characters
Actual result	Article is published without any error message
Severity	Major
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Issue ID	BB_issue_05
Module Name	Create article
Issue Summary/ Description	User is able to add unlimited no. of tags
Steps to reproduce	<ul style="list-style-type: none"> ● Click new Article ● Fill Title ● Fill article about field ● Fill article content ● Add 6 tags
Test Data	#Article #Artcile1 #demoArticle #sampleArticle #myArticle #Article1

Expected result / Suggestions	User should not be able to add more than. 5 tags
Actual result	User can add any number of tags
Severity	Minor
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Screenshot :

× Article
× Article1
× demoArticle
× sampleArticle
× myArticle
× Article1

Publish Article

Issue ID	BB_issue_06
Module Name	Create article
Issue Summary/ Description	User is allowed to add empty tags
Steps to reproduce	<ul style="list-style-type: none"> ● Click new Article ● Fill Title ● Fill article about field ● Fill article content ● Add empty tags
Test Data	–
Expected result / Suggestions	User should not be able to add empty tags
Actual result	User able to add empty tags

Severity	Minor
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Screenshot :

× × × notEmpty

Publish Article

Issue ID	BB_issue_07
Module Name	Create article
Issue Summary/ Description	User is allowed to add spaces in the tags
Steps to reproduce	<ul style="list-style-type: none"> ● Click new Article ● Fill Title ● Fill article about field ● Fill article content ● Add tag with a space
Test Data	#My tag
Expected result / Suggestions	User should not allowed to add spaces in the tags
Actual result	User can add spaces in the tags
Severity	Minor
Priority	High
Platform/Browser	Chrome

Environment	QA
Date executed	19/09/22
Automation?	DONE

Screenshot :

× Tag space

Publish Article

Issue ID	BB_issue_08
Module Name	Create article
Issue Summary/ Description	User is allowed to add special characters in the tags
Steps to reproduce	<ul style="list-style-type: none"> ● Click new Article ● Fill Title ● Fill article about field ● Fill article content ● Add tag with special characters
Test Data	#My@Article*is\$here
Expected result / Suggestions	User should not allowed to add special characters in the tag
Actual result	User can add special characters in the tags
Severity	Minor
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Screenshot :

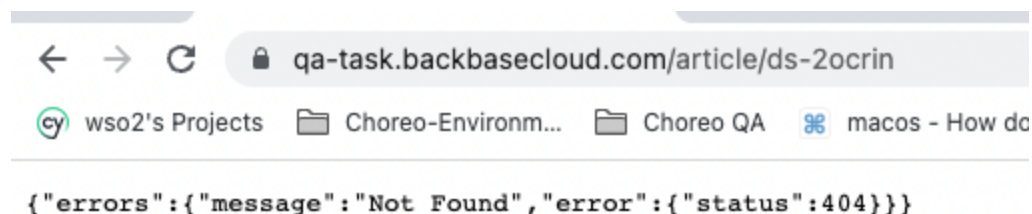
Enter tags

x #My@Article*is\$here

Publish Article

Issue ID	BB_issue_09
Module Name	Create article
Issue Summary/ Description	Verify page reload for an article
Steps to reproduce	<ul style="list-style-type: none"> • Click new Article • Fill Title • Fill article about field • Fill article content • Publish article • Reload the browser
Test Data	
Expected result / Suggestions	Article should be displayed
Actual result	<p>Error message {"errors":{"message":"Not Found","error":{"status":404}}}</p> <p>Page is not loaded</p>
Severity	Critical
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Screenshot :



Issue ID	BB_issue_10
Module Name	Post comment
Issue Summary/ Description	No character limit for comments. user can any number of characters in comments
Steps to reproduce	<ul style="list-style-type: none"> • Type a comment with 4000+ characters • Click 'Post comment'
Test Data	–
Expected result / Suggestions	There should be a character length limit for comments
Actual result	No character limit for comments. user can any number of characters in comments
Severity	Minor
Priority	High
Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

Screenshot :

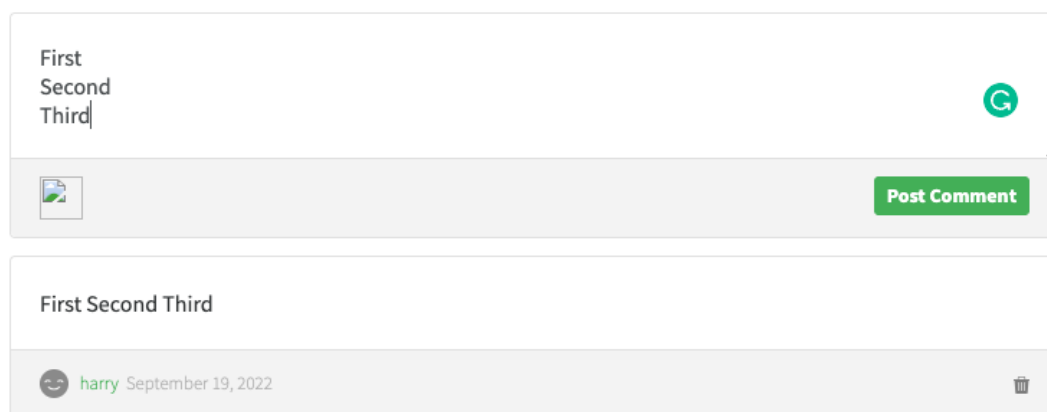
While he has no mouth, neither stomach, nor eyes, the blob is perfect at detecting the presence of food and ingesting it," the Paris Zoo said in a translated tweet. The zoo also said the blob, which has 720 sexes, does not have a brain or legs, but it "moves at the speed of one centimeter an hour, four if it sprints." "The blob is difficult to place in the tree of life," Bruno David, the director of the Paris Museum of Natural History and Zoological Park, said in a statement. "[It] teaches us a lot about the richness of life on Earth." Dr. Audrey Dussutour, a researcher with the CNRS (translated to: National Scientific Research Center) who has studied blobs and works with the zoo, tweeted a short poem about the algae-like organism, also known as a eukaryotic protist. Dussutour explained that while the "Physarum polycephalum," aka the blob, has long been studied, this is the first time it will be on exhibit at a zoo. (MORE: Human activity has put 1 million species at risk of extinction: UN report) The new area within the Paris Zoo dedicated to the blob will open to the public on Saturday. ABC News "While he has no mouth, neither stomach, nor eyes, the blob is perfect at detecting the presence of food and ingesting it," the Paris Zoo said in a translated tweet. The zoo also said the blob, which has 720 sexes, does not have a brain or legs, but it "moves at the speed of one centimeter an hour, four if it sprints." "The blob is difficult to place in the tree of life," Bruno David, the director of the Paris Museum of Natural History and Zoological Park, said in a statement. "[It] teaches us a lot about the richness of life on Earth." Dr. Audrey Dussutour, a researcher with the CNRS (translated to: National Scientific Research Center) who has studied blobs and works with the zoo, tweeted a short poem about the algae-like organism, also known as a eukaryotic protist. Dussutour explained that while the "Physarum polycephalum," aka the blob, has long been studied, this is the first time it will be on exhibit at a zoo. (MORE: Human activity has put 1 million species at risk of extinction: UN report) The new area within the Paris Zoo dedicated to the blob will open to the public on Saturday. ABC News "While he has no mouth, neither stomach, nor eyes, the blob is perfect at detecting the presence of food and ingesting it," the Paris Zoo said in a translated tweet. The zoo also said the blob, which has 720 sexes, does not have a brain or legs, but it "moves at the speed of one centimeter an hour, four if it sprints."

harry September 19, 2022

Issue ID	BB_issue_11
Module Name	Post comment
Issue Summary/Description	Line breaks are not displayed in comments
Steps to reproduce	1. Type a comment with line breaks 2. Click 'Post comment'
Test Data	"First Second Third "
Expected result / Suggestions	User should be able to add comments with line breaks
Actual result	Line breaks are not displayed in comments
Severity	Major
Priority	High

Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	DONE

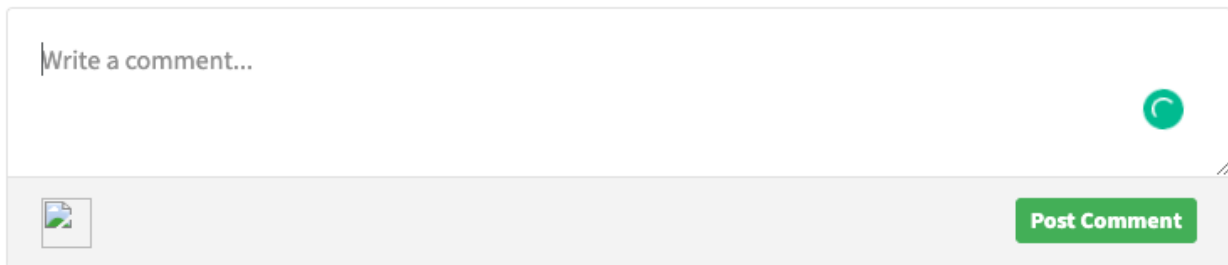
Screenshot :



Issue ID	BB_issue_12
Module Name	Post comment
Issue Summary/Description	Author image is not displayed in the comment box
Steps to reproduce	<ul style="list-style-type: none"> • Go to Article • Go to comment box
Test Data	–
Expected result / Suggestions	Author's profile pic is displayed as icon in the comment box
Actual result	Author image is not displayed in the comment box
Severity	Minor
Priority	High

Platform/Browser	Chrome
Environment	QA
Date executed	19/09/22
Automation?	NOT DONE

Screenshot :



4. Recommendations / Suggestions

1. Markdown preview option for the article content.
2. A confirmation message when publishing and deleting Articles
3. Article draft option before publishing the article
4. Feature to search the articles by Title and description
5. Reply to comments feature
6. Notifications when people comment on your article
7. Article stats feature. Like how many people have read the article.
8. Article share button. A link to share and share directly to social media.
9. Adding proper UI test attributes so elements can be located uniquely for UI tests

Automated Test framework Improvements:

- Visual testing to validate the article is rendered as expected (specially with images)
- Test Data teardown (With API invocations to delete created articles)
- Parallelization of tests
- Setup linter check for github workflow (Maintain a clean code)
- For API tests, could use BDD with gherkin for better readability.

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- More data-driven api tests with TestNG @Dataproviders