

Gleam

Test Plan September 6th, 2019

Group 25

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Functional Requirement 1

As a user, I would like to create an account

Functional Test Cases

Test ID	1
Title	Creating an account
Instructions	New user clicks on "Sign Up" button and types in desired username/password
Expected Results	Display a success message if successfully created
Severity	Critical

Equivalence Test Cases

Test ID	2
Title	Password too short
Instructions	User tries to sign up with too short of a password (less than 6 characters)
Expected Results	Display error message telling user cannot proceed with this password
Severity	Critical

Test ID	3
Title	Password length invalid

Instructions	User tries to sign up with password length 6 or more
Expected Results	Display success message telling user account successfully created
Severity	Critical

Test ID	4
Title	Password invalid characters
Instructions	User tries to sign up with password that contains invalid characters
Expected Results	Display error message telling user cannot proceed with this password
Severity	Critical

Boundary Test Cases

Test ID	5
Title	Username taken
Instructions	User tries to sign up with a username that is already registered
Expected Results	Display error message telling user cannot proceed with this username
Severity	Critical

Test ID	6
Title	Blank fields
Instructions	User tries to sign up with a blank field for username
Expected Results	Display error message telling user

	cannot proceed with empty fields
Severity	Important

Functional Requirement 2

As a user, I would like to login to my account

Functional Test Cases

Test ID	7
Title	Login with username and password
Instructions	Click on "Login" button.
Expected Results	The login modal prompts and ask for username and password
Severity	Critical

Test ID	8
Title	Invalid Login with username and password
Instructions	Click on "Login" button. Enter wrong credentials on the login modal that prompts
Expected Results	Login prompt displays authentication error and no progress can be made on the app until authentication is successful.
Severity	Critical

Equivalence Test Cases

Test ID	9
Title	New users trying to Login

Instructions	Click on "Login" button. Enter credentials on the login modal that prompts
Expected Results	Display error message telling there is no matched username and suggest "If new, please sign up".
Severity	Important

Test ID	10
Title	Existing users trying to Login
Instructions	Click on "Login" button. Enter credentials on the login modal that prompts
Expected Results	The login modal closes and the user session appears
Severity	Important

Functional Requirement 3

As a user, I would like to view "trending" post titles/post previews on the homepage

Functional Test Cases

Test ID	11
Title	Navigate to homepage
Instructions	click on "Home" button
Expected Results	The main page appears
Severity	Critical

Functional Requirement 4

As a user, I would like the post previews to contain username of submitter and post title

Equivalence Test Cases

Test ID	12
Title	Navigate to any page
Instructions	Click on a page number showing at the bottom
Expected Results	It navigates to the corresponding page and show a list of post preview with creators' name and post title
Severity	Critical

Functional Requirement 5

As a user, I would like to be able to click an individual post on the page to see more details

Equivalence Test Cases

Test ID	13
Title	Display loading state of a specific post
Instructions	Clicks on button with arrow on post preview
Expected Results	It shows an empty page in loading state.
Severity	workaround

Functional Requirement 6

As a user, when I click to view the details of a particular post, I would like to see the submission content (body text of the post)

Functional Test Cases

Test ID	14
Title	Display body text of a specific post
Instructions	Click on button with arrow on post preview
Expected Results	It shows the body text of the post
Severity	Critical

Functional Requirement 7

As a user, when I click to view the details of a particular post, I would like to see other user's comments in the discussion section

Functional Test Cases

Test ID	15
Title	Display comments of a specific post
Instructions	Click on button with arrow on post preview
Expected Results	It shows comments of the post in Discussion section
Severity	Critical

Equivalence Test Cases

Test ID	16
Title	Query post and comment with specific id
Instructions	Pass an id to backend API
Expected Results	It returns the corresponding post and comment (not a wrong one)

Severity	Critical
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Functional Requirement 8

As a user, I would like to be able to add comments to a post's discussion section

Functional Test Cases

Test ID	17
Title	add comments to a post
Instructions	Click text editing box, type comments and click submit button
Expected Results	display successfully commented message and update discussion section with newly submitted comment
Severity	Critical

Equivalence Test Cases

Test ID	18
Title	add too long comments to a post
Instructions	Click text editing box, type comments > 1000 words and click submit button
Expected Results	display error message with comment length constraint: "Comment must be in 1000 words" and allow users to edit from previous status.
Severity	Important

Boundary Test Cases

Test ID	19
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Title	add empty comment
Instructions	Click text editing box, type nothing and click submit button
Expected Results	display error message telling empty comments are not allowed
Severity	Workaround

Functional Requirement 9

As a user, I would like to be able to view a list of my submitted posts

Functional Test Cases

Test ID	20
Title	Display "My Posts" list
Instructions	Click "My Profile" button and then click "My Posts" in dropdown
Expected Results	Display posts and post metadata (post previews) on page
Severity	Critical

Equivalence Test Cases

Test ID	21
Title	Query post list with specific user id
Instructions	Pass a user id to backend API
Expected Results	It returns the corresponding post list (not of the wrong user)
Severity	Critical

Functional Requirement 10

As a user, I would like to be able to search for certain posts by keywords in title

Functional Test Cases

Test ID	22
Title	Click search bar at the top of page
Instructions	Type keywords in the search bar and click Search button
Expected Results	Displays filtered list of post previews with matched keywords in their titles
Severity	Critical

Equivalence Test Cases

Test ID	23
Title	Empty Search Bar
Instructions	Try and search for posts without entering text
Expected Results	Display the whole post list
Severity	Important

Test ID	24
Title	Large Search Query
Instructions	Enter a large search query (100+ characters)
Expected Results	Error message or successful search
Severity	Workaround

Boundary Test Cases

Test ID	25
Title	Invalid Search
Instructions	Search for a post that doesn't exist
Expected Results	Results page is empty list
Severity	Critical

Functional Requirement 11

As a user, I would like to be able to filter discussion comments by "most recent"

Functional Test Cases

Test ID	26
Title	Most Recent Comment Filtering
Instructions	Select filter option "most recent"
Expected Results	Comments are ordered by post time
Severity	Critical

Boundary Test Cases

Test ID	27
Title	Right Clicking Most Recent
Instructions	Right Click the Most Recent option in the drop down menu
Expected Results	Right clicking does not bug out the functionality
Severity	Important

Test ID	28
Title	Switch Between Most Viewed/Recent
Instructions	Select Most Recent then Select Most Viewed in the drop down menu
Expected Results	Swapping between the two should display/organize the correct set of results
Severity	Critical

Functional Requirement 12

As a user, I would like to be able to filter discussion comments by "most viewed"

Functional Test Cases

Test ID	29
Title	Most Viewed Comment Filtering
Instructions	Select filter option "most viewed"
Expected Results	Comments are ordered by most viewed
Severity	Critical

Boundary Test Cases

Test ID	30
Title	Right Clicking Most Viewed
Instructions	Right Click the Most Viewed option in the drop down menu
Expected Results	Right clicking does not bug out the functionality
Severity	Important

Test ID	31
Title	Switch Between Most Viewed/Recent
Instructions	Select Most Recent then Select Most Viewed in the drop down menu
Expected Results	Swapping between the two should display/organize the correct set of results
Severity	Critical

Functional Requirement 13

As a user, I would like to be able to delete posts I have submitted

Functional Test Cases

Test ID	32
Title	Delete Post
Instructions	Select Delete option/button
Expected Results	Submitted post deleted
Severity	Critical

Boundary Test Cases

Test ID	33
Title	Spam Delete Post Button
Instructions	Spam the delete button
Expected Results	Spam clicking the delete button should not have any adversary effects on the application
Severity	Important

Functional Requirement 14

As a user, I would like to be able to delete comments I have posted

Functional Test Cases

Test ID	34
Title	Delete Comment
Instructions	Select the delete option/button
Expected Results	The comment is deleted
Severity	Critical

Boundary Test Cases

Test ID	35
Title	Spam Delete Comment Button
Instructions	Spam the delete button
Expected Results	After the first delete the comment should be deleted and spamming does not affect the site or delete other comments
Severity	Important

Functional Requirement 15

As a user, I would like to be able to edit post content for a post I have submitted

Functional Test Cases

Test ID	36
Title	Post Editing
Instructions	Navigate to your submitted post. Click 'edit'. Change post content. Click submit
Expected Results	Post content will be updated across the site
Severity	Critical

Equivalence Test Cases

Test ID	37
Title	No post content edit
Instructions	Navigate to your submitted post. Click 'edit'. Do not edit any content. Click Submit.
Expected Results	Content is not changed across the site
Severity	Workaround

Test ID	38
Title	Delete all post content
Instructions	Navigate to your submitted post. Click 'edit'. Delete all text. Click Submit.
Expected Results	The post title stays in post list but with empty content, and the comments are not impacted.

Severity	Critical
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Test ID	39
Title	Exceed post character limit
Instructions	Navigate to your submitted post. Click edit. Add a very large amount of text to the post. Click Submit.
Expected Results	Site prevents submission and warns user that post exceeds size limit
Severity	Important

Functional Requirement 16

As a user, I would like to be able to edit my own comments in a discussion section

Functional Test Cases

Test ID	40
Title	Comment Editing
Instructions	Navigate to your desired comment. Click edit. Enter desired change. Click submit.
Expected Results	Comment content is updated throughout the site
Severity	Critical

Equivalence Test Cases

Test ID	41
Title	No comment edit
Instructions	Navigate to your desired comment. Click 'edit'. Do not edit any comment. Click Submit.
Expected Results	Comment is not changed across the site
Severity	Workaround

Test ID	42
Title	Delete All Comment Content
Instructions	Navigate to your submitted post. Click edit. Delete all text. Click Submit.
Expected Results	Site prevents submissions and warns user that there is no text in the comment

Severity	Critical
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Test ID	43
Title	Exceed comment character limit
Instructions	Navigate to your submitted post. Click 'edit'. Add a very large amount of text to the comment. Click Submit.
Expected Results	Site prevents submission and warns user that the comment exceeds size limit
Severity	Important

Functional Requirement 17

As a user, I would like to be able to bookmark/save posts

Functional Test Cases

Test ID	44
Title	Bookmarking Posts
Instructions	Navigate to desired post. Click the bookmark icon.
Expected Results	Post / Link to Post is saved in bookmarked post page
Severity	Critical

Boundary Test Cases

Test ID	45
Title	Bookmarking previously saved post
Instructions	Navigate to a post you have already saved and click the bookmark icon
Expected Results	Site will ask the user if they would like to remove bookmark or cancel action
Severity	Critical

Functional Requirement 18

As a user, I would like to be able to view all my bookmarked/saved posts

Functional Test Cases

Test ID	46
Title	Viewing saved posts
Instructions	Navigate to user profile and click on Saved Posts.
Expected Results	Bookmarked posts are listed under the section titled Bookmarked Posts
Severity	Critical

Boundary Test Cases

Test ID	47
Title	View bookmarked posts while logged out
Instructions	Attempt to view user profile or bookmarked posts page while signed out or session expired
Expected Results	User is prompted to log in and then redirected
Severity	Critical

Functional Requirement 19

As a user, I would like any list of posts/comments to be paginated as to not clutter my webpage

Functional Test Cases

Test ID	48
Title	Post Pagination
Instructions	Navigate to any page with posts.
Expected Results	Posts will be paginated after 15 posts. Each page should contain 15 different posts
Severity	Critical

Test ID	49
Title	Comments Pagination
Instructions	Navigate to any page with comments.
Expected Results	comments will be paginated after 15 posts. Each page should contain 15 different comments
Severity	Critical

Equivalence Test Cases

Test ID	50
Title	Next Page of posts
Instructions	Click Next Page Button
Expected Results	A new [correct] page of posts should appear
Severity	Critical

Test ID	51
Title	Next Page of comments
Instructions	Click Next Page Button
Expected Results	A new [correct] page of comments should appear
Severity	Critical

Test ID	52
Title	Page Number
Instructions	Click a page number
Expected Results	The corresponding page of posts should appear
Severity	Workaround

Test ID	53
Title	Page Number
Instructions	Click a page number
Expected Results	The corresponding page of comments should appear
Severity	Workaround

Functional Requirement 20

As a user, I would like to be able to change my password

Functional Test Cases

Test ID	54
Title	Change Password
Instructions	Navigate to "My Profile" and select the change password option in the dropdown then enter a new password and hit okay
Expected Results	Password is changed and updated
Severity	Critical

Equivalence Test Cases

Test ID	55
Title	Password too short
Instructions	User tries to sign up with too short of a password (less than 6 characters)
Expected Results	Display error message telling user cannot proceed with this password
Severity	Critical

Test ID	56
Title	Password length invalid
Instructions	User tries to sign up with password length 6 or more
Expected Results	Display success message telling user account successfully created

Severity	Critical
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Test ID	57
Title	Password invalid characters
Instructions	User tries to sign up with password that contains invalid characters
Expected Results	Display error message telling user cannot proceed with this password
Severity	Critical

Boundary Test Cases

Test ID	58
Title	Username taken
Instructions	User tries to sign up with a username that is already registered
Expected Results	Display error message telling user cannot proceed with this username
Severity	Critical

Test ID	59
Title	Blank fields
Instructions	User tries to sign up with a blank field for either username
Expected Results	Display error message telling user cannot proceed with empty fields
Severity	Important

Functional Requirement 21

As a user, I would like to be able to view all my comments on all posts

Functional Test Cases

Test ID	60
Title	Display "My Comments" list
Instructions	Click "My Profile" button and then click "My Comments" in dropdown
Expected Results	Display all comments from all posts
Severity	Critical