Manual Testing

1. Identify the key functionalities of the web application.

Answer –

1. User Authentication: This includes user registration, user login, and password management.
2. Post Management:

* Creating Posts: Users should be able to create new blog posts.
* Editing Posts: Users should be able to edit their existing blog posts.
* Deleting Posts: Users should be able to delete their blog posts.
* Viewing Posts: Users should be able to view a list of posts and individual posts.

1. Comment Management (if applicable): Ability to add, edit, or delete comments on posts.
2. User Profile Management: Users can view and edit their profile information.
3. Design and execute test cases to verify the functionalities.

Answer-

Test Case for Creating Posts

Test Case ID: TC01

Description: Verify that a logged-in user can create a new post with valid details.

Preconditions: User must be registered and logged in.

Steps:

Navigate to the Create Post page.

Enter a valid title and content for the post.

Submit the post.

Expected Result: The post is successfully created and is visible on the user's blog page.

Actual Result: [To be filled out during testing]

Test Case for Editing Posts

Test Case ID: TC02

Description: Verify that a user can edit an existing post.

Preconditions: User is logged in, and at least one post exists.

Steps:

Navigate to the user’s existing posts.

Select a post to edit.

Modify the title and content and submit the changes.

Expected Result: The changes are reflected correctly in the post details.

Actual Result: [To be filled out during testing]

Test Case for Deleting Posts

Test Case ID: TC03

Description: Verify that a user can delete an existing post

Preconditions: User is logged in, and at least one post exists.

Steps:

Navigate to the user’s existing posts.

Select a post to delete.

Expected Result: The Post got deleted and is no longer in the main page of the forums

Actual Result: [To be filled out during testing]

Test Case for Viewing Posts

Test Case ID: TC04

Description: Verify that a user can view an existing post.

Preconditions: User is logged in, and at least one post exists.

Steps:

Navigate to the user’s existing posts.

Select a post to view.

Expected Result: The user can view the existing post correctly

Actual Result: [To be filled out during testing]

1. Prepare a test plan and document the test results.

Answer-

Test Plan Outline

Objective: Ensure all key functionalities of the blog management application work as expected.

Scope: Testing will cover user authentication, post creation, post editing, post deletion, and viewing posts.

Test Environment: Specify the environment where the testing will take place (e.g., staging site, specific browsers).

Test Deliverables:

Test Cases

Test Execution Report

Issue Log

Schedule: Define the timeline for test case development, execution, and review.

Documenting Test Results

Create a test execution report that logs the outcome of each test case:

Test Case ID

Description

Expected Result

Actual Result

Status (Pass/Fail)

Comments (Details on any issues found, steps to reproduce if the

test fails, and screenshots if applicable).

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| --- | --- | --- | --- | --- | --- |
| Test case ID | Description | Expected Result | Actual Result | Status | Comments |
| TC01 | Verify that a logged-in user can create a new post with valid details. | The post is successfully created and is visible on the user's blog page. | The post created successfully | Pass | Test Passed as Expected |
| TC02 | Verify that a user can edit an existing post. | The changes are reflected correctly in the post details. | The post was edited successfully | Pass | Test Passed as Expected |
| TC03 | Verify that a user can delete an existing post | The Post got deleted and is no longer in the main page of the forums | The post was deleted successfully and removed from the list | Pass | Test Passed as Expected |
| TC04 | Verify that a user can view an existing post. | The user can view the existing post correctly | The user entered the specific post successfully | Pass | Test Passed as Expected |