

| Test Cases | Test Data | Expected Result | Test Result | Pass/Fail |
|--|--|--|-------------|-----------|
| Test Add Post Case 1 Valid Post | Title: ValidTitle1 Body: Valid content more than 250 words... Tags: ["tag1", "tag2"] Type: Difficult Emergency: Highly Needed Title: ValidTitle2 Body: Valid content more than 250 words... Tags: ["tag3", "tag4"] Type: Easy Emergency: Ordinary | Adding this post should be successful. | True | Pass |
| Test Add Post Case 2 Invalid Post (Empty Title) | Title: Body: Valid content more than 250 words... Tags: ["tag1", "tag2"] Type: Difficult Emergency: Highly Needed Title: Body: Valid content more than 250 words... Tags: ["tag3", "tag4"] Type: Easy Emergency: Ordinary | Adding this post should not be successful. | True | Pass |
| Test Add Post Case 3 Invalid Post (Too Many Tags) | Title: ValidTitle Body: Valid content more than 250 words... Tags: ["tag1", "tag2", "tag3", "tag4", "tag5", "tag6"] | Adding this post should be successful. | True | Pass |

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| | Type: Very Difficult Emergency: Immediately Needed Title: ValidTitle Body: Valid content more than 250 words... Tags: ["tag1", "tag2", "tag3", "tag4", "tag5", "tag6", "tag7"] Type: Difficult Emergency: Highly Needed | | | |
| Test Add Post Case 4 Invalid Post (Invalid Type) | Title: ValidTitle Body: Valid content more than 250 words... Tags: ["tag1", "tag2"] Type: UnknownType Emergency: Highly Needed Title: ValidTitle Body: Valid content more than 250 words. Tags: ["tag3", "tag4"] Type: UnknownType Emergency: Moderate | Adding this post should be successful. | True | Pass |
| Test Add Post Case 5 Invalid Post (Invalid Emergency) | Title: ValidTitle Body: Valid content more than 250 words Tags: ["tag1", "tag2"] Type: Difficult Emergency: UnknownEmergency Title: ValidTitle Body: Valid content more than 250 words | Adding this post should be successful. | True | Pass |

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| | Tags: ["tag3", "tag4"] Type: Normal Emergency: UnknownEmergency | | | |
| Test Add Post Case 6 Invalid Post (Short Body) | Title: ValidTitle Body: Short Tags: ["tag1", "tag2"] Type: Normal Emergency: Moderate Title: ValidTitle Body: Still short Tags: ["tag3", "tag4"] Type: Difficult Emergency: Highly Needed | Adding this post should be successful. | True | Pass |
| Test Add Comment Case 1 Valid Comment | Comment: This is a valid comment. Comment: This is another valid comment. | Adding this comment should be successful. | True | Pass |
| Test Add Comment Case 2 Invalid Comment (Short Comment) | Comment: No. Comment: Short. | Adding this comment should not be successful. | True | Pass |
| Test Add Comment Case 3 Invalid Comment (Starts with lowercase) | Comment: this starts with lowercase. Comment: another starts with lowercase. | Adding this comment should not be successful. | True | Pass |
| Test Add Comment Case 4 Invalid Comment (Too | Initial Comments: ["Comment 0", "Comment 1", "Comment 2", "Comment 3", | Adding this comment should not be successful. | True | Pass |

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| Many Comments) | <p>"Comment 4"]</p> <p>New Comment: This is a valid comment but too many.</p> <p>Initial Comments: ["Comment 0", "Comment 1", "Comment 2", "Comment 3", "Comment 4", "Comment 5"]</p> <p>New Comment: This is another valid comment but too many.</p> | | | |
| Test Add Comment Case 5 Invalid Comment (Exceeds limit for Easy post) | <p>Initial Comments: ["Comment 0", "Comment 1", "Comment 2"]</p> <p>New Comment: This is a valid comment but exceeds limit for Easy post.</p> <p>Initial Comments: ["Comment 0", "Comment 1", "Comment 2", "Comment 3"]</p> <p>New Comment: This is another valid comment but exceeds limit for Easy post.</p> | Adding this comment should not be successful. | True | Pass |
| Test Add Comment Case 6 Valid Comment | <p>Comment: This comment is of medium length.</p> <p>Comment: This comment has exactly ten words in it bro.</p> | Adding this comment should not be successful. | True | Pass |

User Story 1

As a software developer,

I want to submit my code on the CodeQA platform,

so that I can get feedback and suggestions from other developers.

Acceptance Criteria

Given I have a code file to upload,

When I upload the file to the platform,

Then the system should successfully receive and save the file.

Given I have uploaded a code file,

When the upload is complete,

Then the system should display a confirmation message informing me of the successful upload.

Given I have submitted my code,

When other developers view my submission,

Then they should be able to leave comments and suggestions.

User Story 2

As a software tester,

I want to view the code submitted by other developers on the CodeQA platform,

so that I can provide testing suggestions and report potential issues in the code.

Acceptance Criteria

Given I am a tester,

When I access the platform,

Then I should be able to browse all publicly submitted code.

Given I am viewing a code submission,

When I want to provide feedback,

Then I should be able to add comments and suggestions on the submission page.

Given I add a comment,

When the comment is saved,

Then it should record my username and the time of the comment.

User Story 3

As a project manager,

I want to create and assign code review tasks on the CodeQA platform,

so that I can manage the team's code review work.

Acceptance Criteria

Given I am a project manager,

When I want to create a code review task,

Then I should be able to specify the task name and description.

Given I have created a task,

When I want to assign it,

Then I should be able to assign it to specific developers or testers.

Given I have assigned a task,

When the assignment is completed,

Then the relevant individuals should receive a notification informing them of the new task.

User Story 4

As a developer,

I want to view the feedback history of the code I submitted on the CodeQA platform,
so that I can understand how my code has improved.

Acceptance Criteria

Given I have submitted code,

When I visit my personal page,

Then I should be able to view all my code submissions.

Given I am viewing a code submission,

When I want to see feedback,

Then I should be able to see all related comments and suggestions.

Given I am viewing comments,

When I want to filter them,

Then I should be able to filter and sort comments by date or feedback type.

User Story 5

As a system administrator,

I want to manage user permissions on the CodeQA platform,
so that I can control access to different platform functionalities for different users.

Acceptance Criteria

Given I am a system administrator,
When I access the user management page,
Then I should be able to view a list of all registered users on the platform.

Given I am viewing the user list,
When I select a user,
Then I should be able to modify their permission level.

Given I have changed a user's permissions,
When the change is saved,
Then it should take effect immediately, and the user should see the changes upon their next login.