**Answer for Must do 1: (in BDD format)**

1. Validate upon opening the webpage, 'Posts & Articles' elements are displayed

Given user visits the webpage

When user view the 'Posts & Articles'

Then 'Posts & Articles' label is displayed

And 'Write article' button is displayed

And Post textbox is displayed

And Post textbox have [Drag and drop] file upload

And Post textbox have [upload] button

And Post button is displayed

2. Validate that upon clicking 'Write article' button, then Post textbox is enabled

Given user visits the webpage

And user view the 'Posts & Articles'

When user clicks 'Write article' button

Then Post textbox is enabled

3. Validate that user can write text on Post textbox

Given user visits the webpage

And user view the 'Posts & Articles'

When user clicks 'Write article' button

And types characters

Then textbox is a able to display the text

Additional test cases:

Validate acceptable text characters for Post textbox

Validate minimum and maximum text limit of characters for Post textbox

4. Validate that user can attach files on Post textbox

Given user visits the webpage

And user view the 'Posts & Articles'

When user clicks 'Write article' button

And upload a file on Post textbox via upload button

Or upload a file on Post textbox via drag and drop

Then file can be attached

Additional test cases:

Validate the allowed file types that can be uploaded

Validate the allowed file size that can be uploaded

Validate the number of file that can be uploaded at the same time

Validate that user is allowed to upload multiple files on different upload instances

1. Validate that upon clicking of Post button, article is written on the page

Given user visits the webpage

And user view the 'Posts & Articles'

When user clicks 'Write article' button

And write a text

And click the post button, then Article is written on the page

Others: (note I will not write the steps 1 by 1 since there is quite many)

1. Validate that if user is logged in, the his thumbnail is displayed on 'Posts & Articles' section
2. Validate that if webpage is resized on different views, then layout of 'Posts & Articles' section is still good
3. Validate that 'Posts & Articles' section’s speed is still good if user enters max allowed characters and max file attachment size
4. Validate that Post texbox can be resized (it has a resize button on the picture)
5. Validate that user can view all of his articles after providing several entries in 'Posts & Articles'
6. Validate that user can only write text in Post button is enabled if user enters value on Post textbox
7. Validate that posting will be cancelled if user clicks post button but connection is interrupted
8. Validate that after uploading a file, user can view the uploaded file

**Answer for Must do 2:**

1. Introduction

1.1 Purpose

The purpose of this document is to outline the testing strategy for the Google Platform. It provides a comprehensive overview of the testing approach, resources, and schedule to ensure the successful delivery of a high-quality product.

1.2 Scope

The testing scope includes functional, non-functional, and integration testing for the Google Platform. This encompasses all features and functionalities outlined in the project requirements.

1.3 Objectives

The main objectives of the testing effort are to:

Ensure the quality and reliability of the software.

Identify and address defects early in the development cycle.

Validate that the software meets the specified requirements.

Verify proper integration of components.

2. Test Levels

2.1 Unit Testing

Unit testing will be performed by individual developers using (unit testing framework if any). The focus is on verifying the correctness of individual units of code.

2.2 Integration Testing

Integration testing will be conducted to ensure the proper interaction between different components/modules. (Tools and frameworks if any) will be employed for integration testing.

2.3 System Testing

System testing will validate the entire system's compliance with specified requirements. Both functional and non-functional aspects will be evaluated.

2.4 User Acceptance Testing (UAT)

UAT will involve end-users to ensure that the software meets their expectations and is ready for production release.

3. Test Types

3.1 Functional Testing

Functional testing will verify that each function of the software behaves as expected according to the requirements.

3.2 Performance Testing

Performance testing will assess the system's responsiveness, stability, and scalability under different conditions.

3.3 Security Testing

Security testing will be conducted to identify vulnerabilities and ensure the system's resistance to unauthorized access.

4. Test Environment

4.1 Hardware

Specify the hardware requirements for testing, including servers, workstations, and any specialized devices.

4.2 Software

List the software and tools required for testing, including testing frameworks, test management tools, and any specific software dependencies.

5. Test Schedule

Outline the testing timeline, including milestones, test execution phases, and any planned testing iterations.

6. Test Deliverables

Specify the expected test deliverables, such as test plans, test cases, test scripts, and defect reports.

7. Entry and Exit Criteria

Define the conditions for entering and exiting each testing phase to ensure a structured and controlled testing process.

8. Risks and Contingencies

Identify potential risks and provide strategies to mitigate or address them.

9. Resource Planning

Define the roles and responsibilities of team members involved in the testing process.

10. Review and Approval

This Test Strategy Document will be reviewed and approved by Google Platform stakeholders

(Document Version Number, Date, and Author Information)

**Answer for Optional question:**

In github