

## Revision Log

Date	Version	Change
Feb 25, 2026	0.1	Initial outline and content of the document

### 1. Introduction

#### 1.2. Purpose

The purpose of this document of the test specification is to provide an overview of what will be tested and how it will be tested in the system.

#### 1.3. Reference Document

The following documents provide the test basis for this test design

Ref. No.	Description	ID
1	Test Plan	TP-1

#### 1.4 Abbreviations

NA Not applicable

A/D Archived or Deleted

TBD To be defined, that is it is not yet known what is to be written.

### 2. Features to be tested

This chapter will describe the overall features that will be tested in the system.

The following information is provided for each feature:

(nn): Unique number that must never be changed. This is used for traceability purposes.

ns: Section or sorting number, which could be used to facilitate the reading of the document.

Description: A short description of what to test.

Approach: Description of the test design techniques to be used and in the design of the test.

This test will cover the following features:

1. (F1) Login and Basic Authorization
2. (F2) Dynamic Content
3. (F3) Dropdown and JQuery UI Menu
4. (F4) Form Input Validation
5. (F5) API Calls
6. (F6) Responsiveness Layout
7. (F7) Broken Links and Navigation
8. (F8) File Upload and Download
9. (F9) Stress Handling

Feature (F1): Login and Basic Authorization

Objective: To test the system login and basic authorization process.

Priority: High

Approach: Black-box testing, equivalence partitioning and value analysis

Feature (F2): Dynamic Content

Objective: To test the renderization of dynamic content in the page

Priority: Medium

Approach: Black-box testing,

Feature (F3): Dropdown and JQuery UI Menu

Objective: To test dropdown menus renderization and the triggering of their actions.

Priority: Medium

Approach: Black-box testing,

Feature (F4): Form Input Validation

Objective: To test how the form behaves with different inputs

Priority: Medium

Approach: Black-box testing, equivalence partitioning and value analysis

#### Feature (F5): API Calls

Objective: To test if the system handles correctly API Calls

Priority: High

Approach: Black-box testing, Postman,

#### Feature (F6): Responsiveness Layout

Objective: To test how the system behaves in different screen sizes

Priority: Medium

Approach: Black-box testing,

#### Feature (F7): Broken Links and Navigation

Objective: To test the renderization of broken links and impossibility of navigation.

Priority: High

Approach: Black-box testing, Transition testing

#### Feature (F8): File Upload and Download

Objective: To test the upload and download of files through the system.

Priority: Medium

Approach: Black-box testing,

#### Feature (F9): Stress Handling

Objective: To test how the system behaves with unusual or extreme inputs. It is exploratory and edge-tested, being totally optional for the system.

Priority: Low

Approach: Black-box testing, stress testing.

## 2. Test Conditions

In this segment the test conditions are documented for all the tests.

Feature	Test Condition	Priority
Login / Basic Auth	Valid credentials allow login	High
Login / Basic Auth	Invalid credentials prevent login and shows proper error message	High
Dynamic Content	Clicking “Add Element” adds a new element	Medium
Dynamic Content	Clicking “Delete” removes an element	Medium
Dropdown / JQuery UI Menu	Selecting a menu option triggers the correct action	Medium
Form Input Validation	Submitting a valid form succeeds	Medium
Form Input Validation	Submitting a invalid form shows proper error message	Medium
API Calls	GET requests return correct data and status code	High
Responsive Layout	Page adapts correctly to mobile screen	High
Bronken Links / Navigation	All links and buttons navigate to correct pages	High
File Upload / Download	Uploading a file works without errors	Medium
File Upload / Download	Downloading a file works without errors	Medium
Stress Handling	Inputting a 1000 characters long in the form fields should accept or returns a clear error message	Low
Stress Handling	Uploading a file over 50MB should either be accepted or rejected with appropriate error	Low

## 3. Test Cases

This section describes the test cases derived from the test coverage items listed above.

### 3.1. (F1) Login and Basic Authorization

Test Case ID: F1-1 Priority: High Tracing: (F1)	Purpose: To test the reaction to a sample value that is inside the valid range
Preconditions:	User on Login page User has credentials
Input	Valid Credentials: User: admin Password: admin
Expected Result:	The user is logged in successfully.

Test Case ID: F1-2 Priority: High Tracing: (F1)	Purpose: To test the reaction to a sample value that is outside the valid range
Preconditions:	User on Login page User has invalid credentials
Input	Invalid Credentials: User: notadmin Password: notadmin
Expected Result:	Logins fails with error message

### 3.2. (F2) Dynamic Content

Test Case ID: F2-1 Priority: Medium Tracing: (F2)	Purpose: To test the proper renderization of dynamic content in the page.
Preconditions:	User on Dynamic Content page.
Input	-
Expected Result:	New elements are added and removed successfully.

### 3.3 (F3) Dropdown Menu

Test Case ID: F3-1	Purpose: To test the reaction of the dropdown menu
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Priority: Medium Tracing: (F3)	
Preconditions:	User on Dropdown page
Input	-
Expected Result:	The correct option is highlighted and action occurs successfully.

### 3.4 (F4) Form Input Validation

Test Case ID: F4-1 Priority: Medium Tracing: (F4)	Purpose: To test the reaction to a sample value that is inside the valid format
Preconditions:	User on Form page
Input	Login: tomsmith Password: SuperSecretPassword
Expected Result:	Forms submit successfully

Test Case ID: F4-2 Priority: Medium Tracing: (F4)	Purpose: To test the reaction to a sample value that is outside the valid format.
Preconditions:	User on Form page
Input	Login: nottomsmith Password: notSuperSecretPassword
Expected Result:	Forms shows appropriate message error

### 3.5 (F5) API Calls

Test Case ID: F5-1 Priority: High Tracing: (F5)	Purpose: To test the reaction to an API call
Preconditions:	API endpoint accessible
Input	-
Expected Result:	API returns correct data and status code

### 3.6 (F6) Responsive Layout

Test Case ID: F6-1 Priority: Medium Tracing: (F6)	Purpose: To test the responsiveness to different screen sizes.
Preconditions:	Site reachable.
Input	-
Expected Result:	Layout adapts without overlapping or missing elements

### 3.7 (F7) Broken Links and Navigation

Test Case ID: F7-1 Priority: High Tracing: (F7)	Purpose: To test the navigation between pages works.
Preconditions:	Site loaded
Input	-
Expected Result:	All links work and go to expected pages

### 3.8 (F8) File Upload and Download

Test Case ID: F8-1 Priority: Medium Tracing: (F8)	Purpose: To test if the website handles uploading and downloading files successfully.
Preconditions:	File to upload ready
Input	File available at <a href="https://file-examples.com/wp-content/storage/2017/10/file-sample_150kB.pdf">https://file-examples.com/wp-content/storage/2017/10/file-sample_150kB.pdf</a> downloaded
Expected Result:	File uploads and downloads without errors

### 3.9 (F9) Stress Testing

Test Case ID: F9-1 Priority: Low Tracing: (F9)	Purpose: To test if the website handles unusual inputs correctly.
Preconditions:	File to upload ready with 10MB.
Input	File available to download at <a href="https://file-examples.com/wp-content/storage/2017/02/zip_10MB">https://file-examples.com/wp-content/storage/2017/02/zip_10MB</a>

	.zip
Expected Result:	File uploads successfully or rejects with appropriate error messages.

Test Case ID: F9-2 Priority: Low Tracing: (F9)	Purpose: To test if the website handles unusual inputs correctly.
Preconditions:	Text to input with 1000 characters in the form ready.
Input	<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi. Nam eget dui. Etiam rhoncus. Maecenas tempus, tellus eget condimentum rhoncus, sem quam semper libero, sit amet adipiscing sem neque sed ipsum. N</p>
Expected Result:	Form accepts successfully or rejects with appropriate error messages

#### 4. Test Procedure Specification

This section describes the test sets to be executed in the first execution cycle. The sets are ordered by feature set.

##### 4.1. Feature 1 (F1):

Test Procedure ID	Objective and Priority	Estimated Duration:
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TP-1	The purpose of this test procedure is to test the way the system handles valid inputs in the login form. Priority: High	5 minutes.
Start Up: Navigate to Login page. Prepare the correct and incorrect login credentials. Correct: Login: admin Password: admin  Incorrect: Login: notadmin Password: notadmin		
Relationship to other procedures: None		

Test Log				
Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F1-1	Input the valid credentials in the correct form spaces. Press the login button and wait for the result.	Check if the login was finished successfully.		
2 F1-2	Input the invalid credentials in the correct form spaces. Press the login button and wait for the result.	Check if the login was prevented and the error message shows “TBD”.		
Stop and wrap up: Log errors. Close the tab.				

#### 4.2 Feature 2 (F2):

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-2	The purpose of this test procedure is to test the way the system handles add and remove requests from dynamic content pages Priority: Medium	5 minutes.
Start Up: Navigate to Dynamic Content page		
Relationship to other procedures: None		

Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F2-1	Click “Add Element” button	Check if the element was added successfully.		
2 F2-1	Click “Remove Element” button	Check if the element was removed successfully		
Stop and wrap up: Log errors. Close the tab.				

#### 4.3 Feature 3 (F3):

Test	Objective and Priority	Estimated Duration:
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Procedure ID		
TP-3	The purpose of this test procedure is to test the way the system handles dropdown menus Priority: Medium	5 minutes.
Start Up: Navigate to the Dropdown page.		
Relationship to other procedures: None		

Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F3-1	Click in the menu dropdown	Check if the options opens		
2 F3-1	Click in one of the options.	Check if the option was correct selected		
Stop and wrap up: Log errors. Close the tab.				

#### 4.4 Feature 4 (F4):

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-4	The purpose of this test procedure is to test the way the system handles valid and invalid fields in a form. Priority: Medium	5 minutes.
Start Up: Navigate to Form page.		

Relationship to other procedures: None
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Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F4-1	Input invalid data in the text boxes. Press to submit the form.	Check if the form submission was prevented and the error message shows "TBD."		
2 F4-2	Input valid data in the text boxes. Press to submit the form.	Check if the login was successful.		
Stop and wrap up: Log errors. Close the tab.				

Feature 5 (F5):

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-5	The purpose of this test procedure is to test the way the system handles API calls Priority: High	5 minutes.
Start Up: Navigate to Form page.		
Relationship to other procedures: None		

Date:	Initials:	Test Item:	Ok / Not Ok

Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F5-1	Send GET requests to the API.	Check if the API returns correct data and the status code "TBD".		
2 F5-1	Send a POST request with sample data.	Check if the API posts correct data and the status code "TBD".		
Stop and wrap up: Log errors. Close the tab.				

Feature 6 (F6):

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-6	The purpose of this test procedure is to test the way the system handles responsive layouts Priority: Medium	10 minutes.
Start Up: Navigate to Form page.		
Relationship to other procedures: None		

Date:	Initials:	Test Item:	Ok / Not Ok
Comments:			
Procedure			

Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F6-1	Use developer tools on chrome to load the page in 1920 x 1080px dimensions.	Check if the elements are not overlapping or missing.		
2 F6-1	Use developer tools on chrome to load the page in 768 x 1024 px dimensions.	Check if the elements are not overlapping or missing.		
3 F6-1	Use developer tools on chrome to load the page in 1024 x 768 px dimensions.	Check if the elements are not overlapping or missing.		
4 F6-1	Use developer tools on chrome to load the page in 740 x 360px dimensions.	Check if the elements are not overlapping or missing.		
5 F6-1	Use developer tools on chrome to load the page in 360 x 740px dimensions.	Check if the elements are not overlapping or missing.		
Stop and wrap up: Log errors. Close the tab.				

Feature 7 (F7):

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-7	The purpose of this test procedure is to test the if there are no broken navigation links in the website Priority: High	45 minutes.

Start Up: Navigate to main page,
Relationship to other procedures: None

Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1  F7-1	Click in the link, “A/B Testing”	Check if the “A/B Testing page” is correctly loaded.		
2  F7-1	Return to the previous page. Click in the link, “Add/Remove Elements”	Check if the “Add/Remove Elements” page is correctly loaded.		
3  F7-1	Return to the previous page. Click in the link, “Basic Auth”	Check if the “Basic Auth page” is correctly loaded.		
4  F7-1	Return to the previous page. Click in the link, “Broken Images”	Check if the “Broken Images” is correctly loaded.		
5  F7-1	Return to the previous page. Click in the first link, “Checkboxes”	Check if the “Checkboxes” is correctly loaded.		
6  F7-1	Return to the previous page. Click in the first	Check if the “Context Menu” is correctly		

	link, “Context Menu”	loaded.		
7 F7-1	Return to the previous page. Click in the first link, “Digest Authentication”	Check if the “Digest Authentication” is correctly loaded.		
8 F7-1	Return to the previous page. Click in the first link, “Disappearing Elements”	Check if the “Disappearing Elements” is correctly loaded.		
9 F7-1	Return to the previous page. Click in the first link, “Drag and Drop”	Check if the “Drag and Drop” is correctly loaded.		
10 F7-1	Return to the previous page. Click in the first link, “Dropdown”	Check if the “Dropdown” is correctly loaded.		
11 F7-1	Return to the previous page. Click in the first link, “Dynamic Content”	Check if the “Dynamic Content” is correctly loaded.		
12 F7-1	Return to the previous page. Click in the first link, “Dynamic Controls”	Check if the “Dynamic Controls” is correctly loaded.		
13 F7-1	Return to the previous page. Click in the first link, “Dynamic Loading”	Check if the “Dynamic Loading” is correctly loaded.		
14	Return to the	Check if the		



F7-1	previous page. Click in the first link, "Entry Ad"	"Entry Ad" is correctly loaded.		
15 F7-1	Return to the previous page. Click in the first link, "Exit Intent"	Check if the "Exit Intent" is correctly loaded.		
16 F7-1	Return to the previous page. Click in the first link, "File Download"	Check if the "File Download" is correctly loaded.		
17 F7-1	Return to the previous page. Click in the first link, "File Upload"	Check if the "File Upload" is correctly loaded.		
18 F7-1	Return to the previous page. Click in the first link, "Floating Menu"	Check if the "Floating Menu" is correctly loaded.		
19 F7-1	Return to the previous page. Click in the first link, "Forgot Password"	Check if the "Forgot Password" is correctly loaded.		
20 F7-1	Return to the previous page. Click in the first link, "Form Authentication"	Check if the "Form Authentication" is correctly loaded.		
21 F7-1	Return to the previous page. Click in the link, "Frames"	Check if the "Frames" is correctly loaded.		
22	Return to the previous page.	Check if the "Frames" page		

F7-1	Click in the link, "Frames"	is correctly loaded.		
23 F7-1	Return to the previous page. Click in the link, "Geolocation"	Check if the "Geolocation" is correctly loaded.		
24 F7-1	Return to the previous page. Click in the link, "Horizontal Slider"	Check if the "Horizontal Slider" is correctly loaded.		
25 F7-1	Return to the previous page. Click in the first link, "Hovers"	Check if the "Hovers" is correctly loaded.		
26 F7-1	Return to the previous page. Click in the first link, "Infinite Scroll"	Check if the "Infinite Scroll" is correctly loaded.		
27 F7-1	Return to the previous page. Click in the first link, "Inputs"	Check if the "Inputs" is correctly loaded.		
28 F7-1	Return to the previous page. Click in the first link, "jQuery UI Menus"	Check if the "jQuery UI Menus" is correctly loaded.		
29 F7-1	Return to the previous page. Click in the first link, "JavaScript Alerts"	Check if the "JavaScript Alerts" is correctly loaded.		
30 F7-1	Return to the previous page. Click in the first link, "Dropdown"	Check if the "Dropdown" is correctly loaded.		

31 F7-1	Return to the previous page. Click in the first link, “JavaScript onload event error”	Check if the “JavaScript onload event error” is correctly loaded.		
32 F7-1	Return to the previous page. Click in the first link, “Key Presses”	Check if the “Key Presses” is correctly loaded.		
33 F7-1	Return to the previous page. Click in the first link, “Large & Deep DOM”	Check if the “Large & Deep DOM” is correctly loaded.		
34 F7-1	Return to the previous page. Click in the first link, “Multiple Windows”	Check if the “Multiple Windows” is correctly loaded.		
35 F7-1	Return to the previous page. Click in the first link, “Nested Frames”	Check if the “Nested Frames” is correctly loaded.		
36 F7-1	Return to the previous page. Click in the first link, “Notification Messages”	Check if the “Notification Messages” is correctly loaded.		
37 F7-1	Return to the previous page. Click in the first link, “Redirect Link”	Check if the “Redirect Link” is correctly loaded.		
38 F7-1	Return to the previous page. Click in the first	Check if the “Secure File Download” is		

	link, "Secure File Download"	correctly loaded.		
39 F7-1	Return to the previous page. Click in the first link, "Shadow DOM"	Check if the "Shadow DOM" is correctly loaded.		
40 F7-1	Return to the previous page. Click in the first link, "Shifting Content"	Check if the "Shifting Content" is correctly loaded.		
41 F7-1	Return to the previous page. Click in the first link, "Slow Resources"	Check if the "Slow Resources" is correctly loaded.		
42 F7-1	Return to the previous page. Click in the first link, "Sortable Data Tables"	Check if the "Sortable Data Tables" is correctly loaded.		
43 F7-1	Return to the previous page. Click in the first link, "Status Codes"	Check if the "Status Codes" is correctly loaded.		
44 F7-1	Return to the previous page. Click in the first link, "Typos"	Check if the "Typos" is correctly loaded.		
45 F7-1	Return to the previous page. Click in the first link, "WYSIWYG Editor"	Check if the "WYSIWYG Editor" is correctly loaded.		
Stop and wrap up: Log errors. Close the tab.				

Feature 8 (F8):

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-8	The purpose of this test procedure is to test the way the system handles file upload. Priority: Medium	3 minutes.
Start Up: Navigate to the Upload page. Have the file to upload ready.		
Relationship to other procedures: None		

Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F8-1	Press the button to select the file. Select the upload test file. Confirm to upload.	Check if the file is successfully uploaded		
Stop and wrap up: Log errors. Close the tab.				

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-9	The purpose of this test procedure is to test the way the system handles file download. Priority: Medium	3 minutes.
Start Up: Navigate to the Download page.		

Relationship to other procedures: None
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Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1 F8-1	Press the button to download the file.	Check if the file is successfully downloaded		
Stop and wrap up: Log errors. Close the tab.				

Feature 9 (F9):

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-10	The purpose of this test procedure is to test the way the system handles a 50MB file upload. Priority: Low	3 minutes.
Start Up: Navigate to the Upload page. Have the file to upload ready.		
Relationship to other procedures: None		

Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result

1 F9-1	Press the button to select the file. Select the upload test file. Confirm to upload.	Check if the file is successfully uploaded or if it was rejected with the error message “TBD.”		
Stop and wrap up: Log errors. Close the tab.				

Test Procedure ID	Objective and Priority	Estimated Duration:
TP-9	The purpose of this test procedure is to test the way the system handles unusual text input in form. Priority: Low	3 minutes.
Start Up: Navigate to the Form page.		
Relationship to other procedures: None		

Date:	Initials:	Test Item:	Ok / Not Ok	
Comments:				
Procedure				
Step No. Test Case	Activities	Examination of Result	Actual Result	Test Result
1  F8-1	Input “Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis	Check if the form submission was accepted or prevented with the error message “TBD.”		

	<p>natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet.</p>			
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Stop and wrap up: Log errors. Close the tab.				