## Test execution results (detailed)

## **Test Cycle**

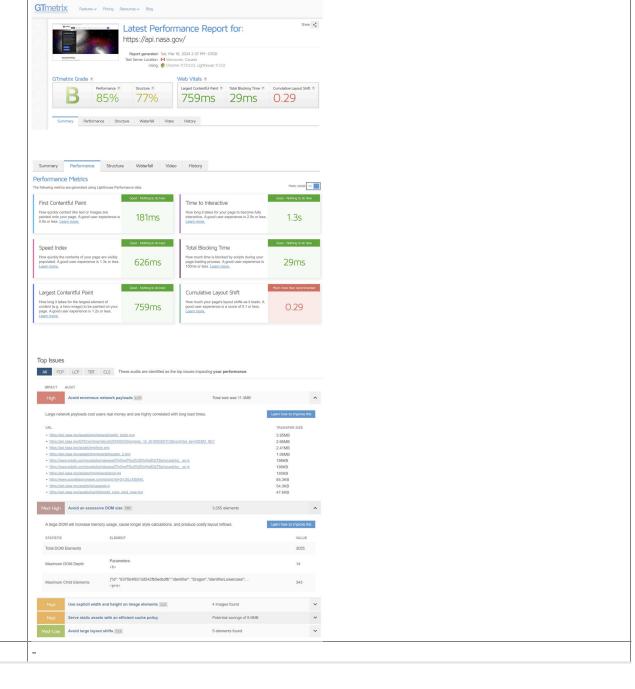
Key	NP-R1	Name	Performance Testing		
Description	OBJECTIVE: To identify performance bottlenecks and optimize their websites for faster loading times and impuser experience.  GTMetrix analyzes the performance of a web page by loading it in a controlled environment and measuring value performance metrics.				
Planned start date	16/Mar/24 11:30 pm	Planned end date	16/Mar/24 11:30 pm	Iteration	no iteration
Status	DONE	Release version	-		

## **Test Executions**

					Evaluate the performance of the		
Key	NP-T1	Status	PASS	Name	https://api.nasa.gov/ website using the GTMetrix		
					tool.		
Objective	<ul><li>it meets or exce</li><li>Performa</li><li>First Cor</li><li>Speed Ir</li><li>Largest 0</li></ul>	eeds the specified ance Score, ntentful Paint,	e https://api.nasa.gov, d benchmarks for	' website u:	sing GTMetrix performance indicators, ensuring that		
	<ul> <li>Total Blocking Time,</li> <li>Cumulative Layout Shift.</li> </ul>						
Precondition	<ul> <li>Access to the GTMetrix tool: https://gtmetrix.com/</li> <li>A stable internet connection.</li> </ul>						
Coverage (issues)	NP-3						
Coverage (web links)							
Actual end date	16/Mar/24 11:58 pm	Estimated Time	00:00:00	Actual time	00:20:00		
Assigned to	Sergei Orlov	Environment	System and Device Specification	Туре	Manual execution		
Executed by	Sergei Orlov						
Issues	-						

**Test Script** 

		Status	PASS			
		Details	Navigate to the GTMetrix website.			
		Test Data	https://gtmetrix.com/			
	1	Expected Result	The website is accessible.			
		Actual Result	Result as expected.			
		Issues	-			
Ī		Status	PASS			
		Details	Enter the URL "https://api.nasa.gov/" in the provided input field.			
	2	Test Data	-			
	2	Expected Result	The entered URL is visible in the input field.			
		Actual Result	Result as expected.			
		Issues	-			
		Status	PASS			
		Details	Initiate the performance test.			
	3	Test Data	-			
	3	<b>Expected Result</b>	The test is running.			
		Actual Result	Result as expected.			
		Issues	-			
	4	Status	PASS			
		Details	Observe the performance indicators.			
		Test Data	-			
			"Performance Score" is 80% or above it;			
			"First Contentful Paint" is 0.9s or less;			
			"Speed Index" is 1.3s or less;			
		<b>Expected Result</b>	"Largest Contentful Paint" is 1.2s or less;			
			"Time to Interactive" is 2.5s or less;			
			"Total Blocking Time" is 150ms or less;			
			"Cumulative Layout Shift" score is 0.1 or less.			
		Actual Result	Performance Score = 85%			
			• First Contentful Paint = 11ms			
			• Speed Index = 626ms			
			• Largest Contentful Paint = 759ms			
			• Time to Interactive = 1.3s			
			<ul> <li>Total Blocking Time = 29ms</li> <li>Cumulative Layout Shift = 0.29 &gt; 0.1.</li> </ul>			
			• Cumulative Layout Shift = 0.29 > 0.1.			



Issues