

Mini-Project 2: Performance Testing on a Landing Page

Duration: 2 hours

Objective

To assess the performance of an e-commerce website's landing page under load.

Task Breakdown

1. Create a Performance Test Plan

Objective: Outline the goals and parameters of the performance test.

Task ID	Task Description	Owner	Status	Notes
1	Define performance objectives	Tester	Pending	Example: Page load time under X number of users

2. Simulate Multiple Users

Objective: Use a performance testing tool to simulate multiple users accessing the landing page simultaneously.

Tools: Consider using free or trial versions of tools like JMeter, LoadRunner, or Locust.

Task ID	Task Description	Owner	Status	Notes
2	Select performance testing tool	Tester	Pending	Example: Apache JMeter
2.1	Configure the tool for multiple users	Tester	Pending	Define number of simulated users

3. Record and Analyze Performance Data

Objective: Collect performance data and analyze it against the performance objectives.

Task ID	Task Description	Owner	Status	Notes
3	Execute performance test	Tester	Pending	Run the test and gather data
3.1	Record performance metrics	Tester	Pending	Metrics such as load time, response time
3.2	Analyze performance data	Tester	Pending	Compare against objectives

4. Document Performance Issues in JIRA

Objective: Report any performance issues found during testing, including relevant screenshots and data.

Task ID	Task Description	Owner	Status	Notes
4	Log performance issues in JIRA	Tester	Pending	Include screenshots and data
4.1	Tag issues appropriately	Tester	Pending	Severity, priority
4.2	Assign issues to the developer role	Tester	Pending	Assign relevant developers

Example JIRA Entries

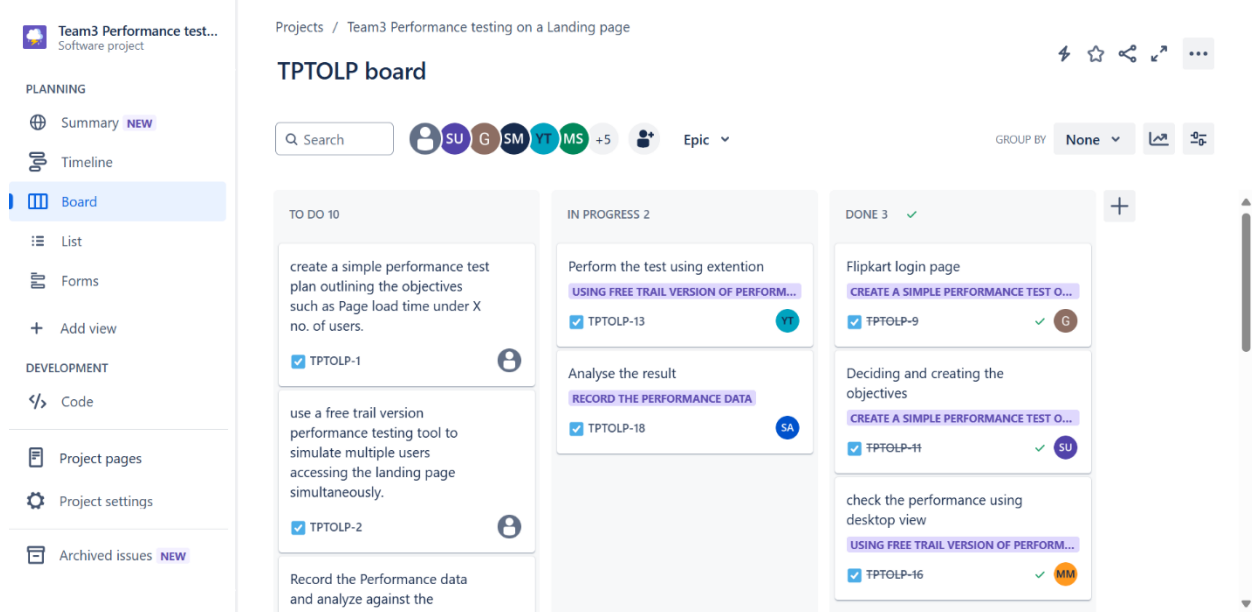
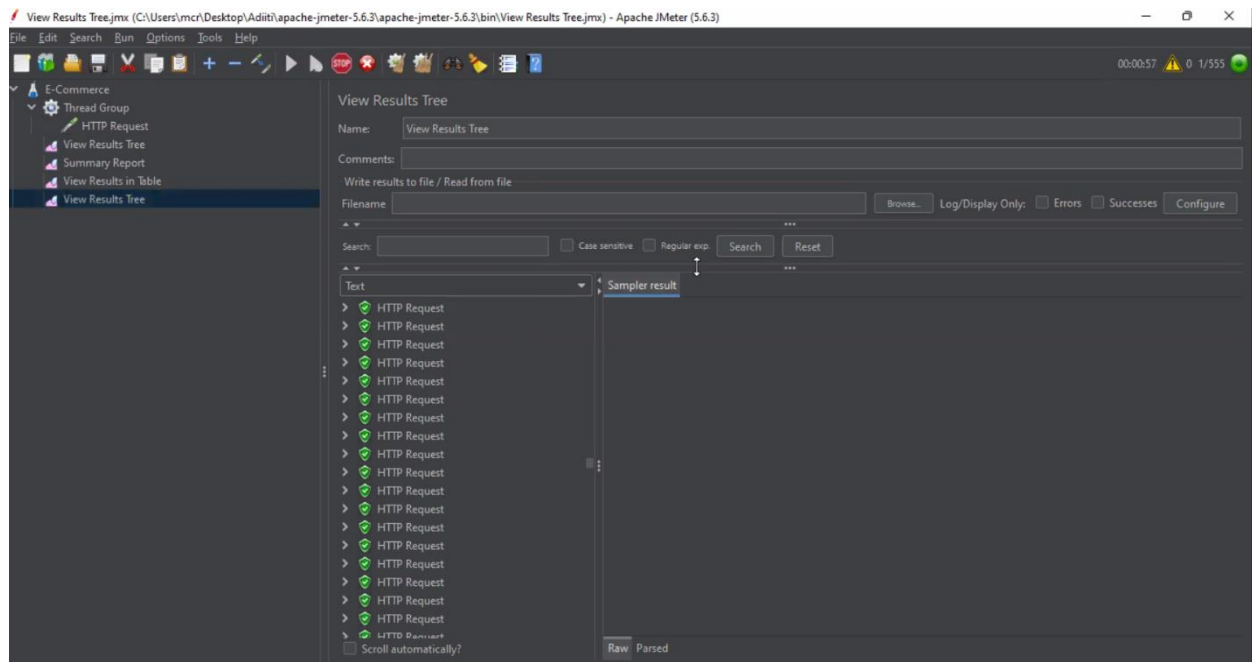
Performance Issue Example

- **Summary:** High Page Load Time Under Load
- **Description:** The landing page load time exceeds acceptable limits under 100 users.
- **Steps to Reproduce:**
 1. Simulate 100 users accessing the landing page simultaneously.
 2. Measure the page load time.
- **Expected Result:** Page load time should be under 2 seconds.
- **Actual Result:** Page load time is 5 seconds.
- **Severity:** High
- **Assignee:** DeveloperName
- **Tags:** Performance, LoadTesting

Summary

This structured plan should help you efficiently complete your performance testing mini-project on the e-commerce website's landing page. If you have any further questions or need additional assistance, feel free to ask!

J meter: Results and JIRA



Team3 Performance test...
Software project

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Summary NEW

Timeline

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Project settings

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Timeline

Give feedback

Share

Export

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Q Search tim...

SU

SA

SA

PP

MM

+5

Status category

Epic

TPTOLP-5 Create a simple performance test on a loading page

✓

TPTOLP-9 Flipkart login page

DONE

✓

TPTOLP-11 Deciding and creating the objectives

DONE

✓

TPTOLP-12 Deciding and creating the objectives

TO DO

TPTOLP-6 Using Free trail version of performance testing

+

...

✓

TPTOLP-13 Perform the test using extention

IN PROGRESS

✓

TPTOLP-14 check performance is successful or not

TO DO

✓

TPTOLP-15 check the performance using mobile view

TO DO

✓

TPTOLP-16 check the performance using desktop view

DONE

TPTOLP-7 Record the Performance data

+

...

TPTOLP-8 Performance issues in jira

+

...

Today

Weeks

Months

Quarters

1

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TPTOLP-5 Create a simple performance test on a loading page

+

...

TPTOLP-6 Using Free trail version of performance testing

+

...

TPTOLP-7 Record the Performance data

+

...

TPTOLP-8 Performance issues in jira

+

...

TPTOLP-10 git

+

...

+

Create Epic

Today

Weeks

Months

Quarters

1

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SU G MM MS +6

Share Filter Group Format More

<input type="checkbox"/>	Type	# Key	Summary	Status	Assignee	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	TPTOLP-1	create a simple performance test plan outlining the objective...	TO DO		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	TPTOLP-2	use a free trail version performance testing tool to simulate ...	TO DO		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	TPTOLP-3	Record the Performance data and analyze against the perfor...	TO DO		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TPTOLP-4	Document any performance issues in JIRA, including Screens...	TO DO		
<input type="checkbox"/>	> +	TPTOLP-5	Create a simple performance test on a loading page	TO DO		
<input type="checkbox"/>	> +	TPTOLP-6	Using Free trail version of performance testing	TO DO		
<input type="checkbox"/>	> +	TPTOLP-7	Record the Performance data	TO DO		
<input type="checkbox"/>	> +	TPTOLP-8	Performance issues in jira	TO DO		
<input type="checkbox"/>	> +	TPTOLP-10	git	TO DO		

+ Create

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Summary

3 completed
in the last 7 days

20 updated
in the last 7 days

20 created
in the last 7 days

2 due
in the next 7 days

Status overview

Get a snapshot of the status of your issues. [View all issues](#)

20
Total issues

To Do (15)

In Progress (2)

Done (3)

Recent activity

Stay up to date with what's happening across the project.

Today

SU

sravan ulasala changed the status to Done on ☒ TPTOLP-11 - Deciding and creating the objectives with a resolution of 'Done' about 4 hours ago

MM

Maresh More changed the status to Done on ☒ TPTOLP-16 - check the performance using desktop view with a resolution of 'Done' about 4 hours ago

S&H

AGRAWAL changed the status to In Progress on ☐

Priority breakdown

Get a holistic view of how work is being prioritized. [See what your team's been focusing on](#)

Types of work

Get a breakdown of issues by their types. [View all items](#)

Type

Distribution

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Type

Distribution

Task

71%

Epic

29%

Subtask

Team workload

Monitor the capacity of your team. Reassign issues to get the right balance

Assignee

Work distribution

Unassigned

53%

MS

Manish Kum...

PP

PRAVIN PATIL

SA

SAHIL AGRA...

Epic progress

See how your epics are progressing at a glance. View all epics

Done

In progress

To do

TPTOLP-6 Using Free trail version of performance testing

25%

25%

50%

TPTOLP-5 Create a simple performance test on a loading page

67%

33%

TPTOLP-7 Record the Performance data

29 days left

Search

?

SU

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team's been focusing on

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PRAVIN PATIL

SA

SAHIL AGRA...

SA

Saijad Akhtar

Epic progress

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Done

In progress

To do

TPTOLP-6 Using Free trail version of performance testing

25%

25%

50%

TPTOLP-5 Create a simple performance test on a loading page

67%

33%

TPTOLP-7 Record the Performance data

50%

50%