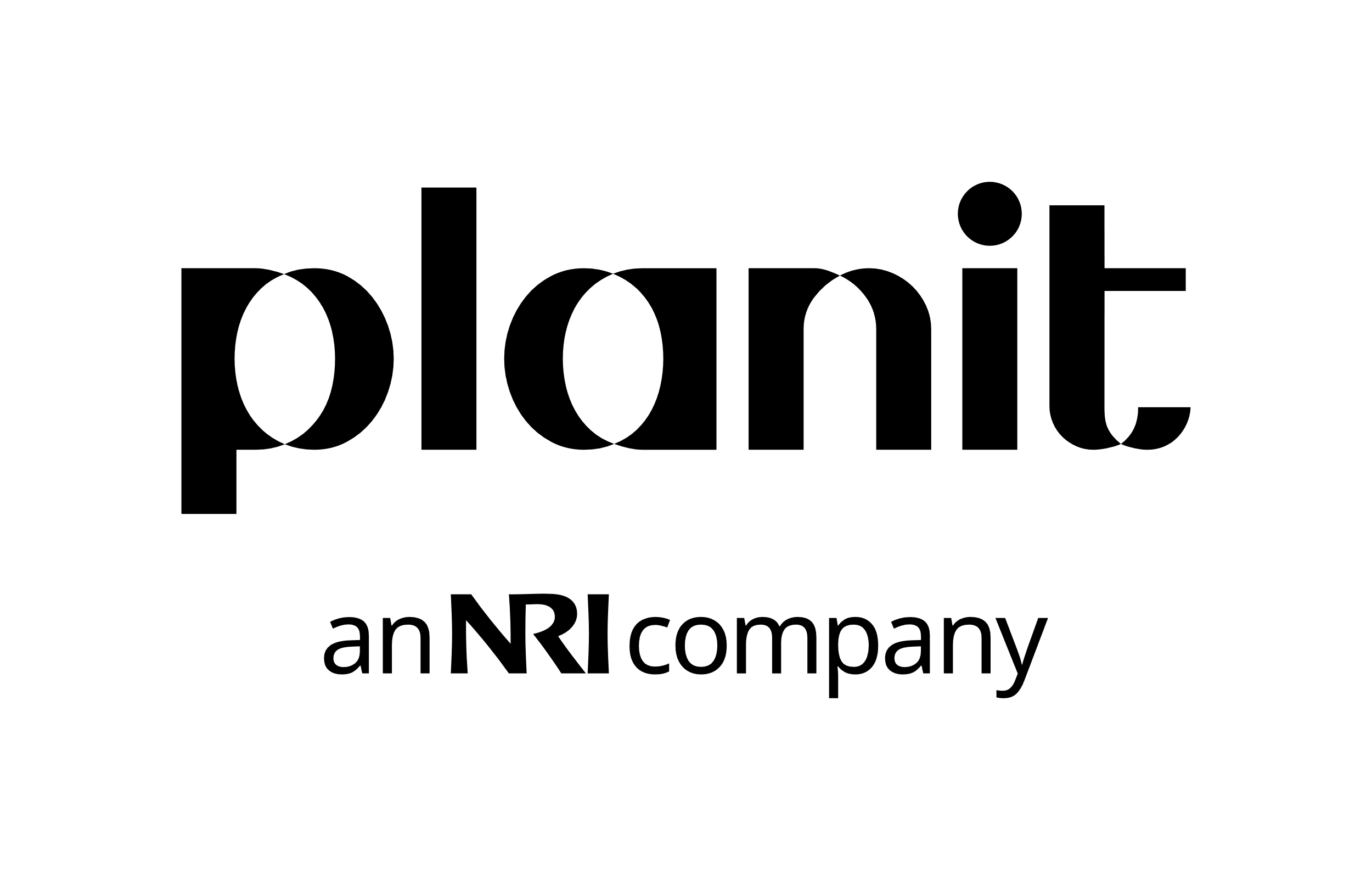
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**Module 2 - Assessment**

Performance Testing Phases

# Overview

Please complete the below assessment as promptly as possible.

Submissions must be in a private Github repository name matching your name. For example, *github\_username/john.smith*

Please provide access to the below email accounts (Settings > Manage Access > Invite Collaborator): [gojeah@planittesting.com](mailto:gojeah@planittesting.com) ; [jwhittaker@planittesting.com](mailto:jwhittaker@planittesting.com) ; << INSERT ADDITIONAL REVIEWERS >>

We will review your response and respond with feedback within 5 days.

# Questionnaire

1. Who might you speak to / work with to develop performance requirements for a system?

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| --- |
| 1.Business Stakeholders  2.End Users or Customers  3.Technical Architects and Engineers  4.Quality Assurance (QA) Team |

1. Names some test tools you may use to execute / evaluate performance testing?

|  |
| --- |
| 1.Apache JMeter  2.NeoLoad  3.BlazeMeter  4.K6  5.Artillery  6.Fiddler |

1. Identify some (or all) of the performance testing steps

|  |
| --- |
| 1.Identify Performance Objectives  2.Define Performance Requirements  3.Plan Performance Test Strategy  4.Design Test Scenarios  5.Prepare Test Data  6.Configure Test Environment  7.Execute Performance Tests  8.Monitor System Metrics  9.Analyze Test Results  10.Optimize and Tune  11.Document Findings and Recommendations |

1. Identify some of the parts of a performance test plan

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| --- |
| Introduction: Provides an overview of the performance test plan, including its purpose, scope, and objectives. It may also include a brief description of the system under test and its key performance requirements.  Scope: Defines the scope of the performance testing effort, including the features, functionalities, and components of the system to be tested.  Objectives: Clearly states the objectives and goals of the performance testing effort. Objectives may include assessing response time, throughput, scalability, reliability, and resource utilization under various conditions.  Test Approach: Describes the overall approach and methodology for conducting performance testing. It outlines the types of performance tests to be executed (e.g., load testing, stress testing, scalability testing), the test scenarios to be used, and the testing techniques employed.  Test Environment: Details the test environment setup, including hardware, software, network configurations, and infrastructure components  Test Scenarios: Identifies the test scenarios and workload models to be used during performance testing.  Test Data: Specifies the test data requirements and sources for generating or acquiring representative test data.  Test Execution Plan: Outlines the sequence of activities and tasks involved in executing performance tests.  Roles and Responsibilities: Specifies the roles and responsibilities of team members involved in the performance testing effort.  Reporting and Communication: Describes the reporting and communication processes for documenting and sharing test results, findings, and recommendations.  Approval and Sign-off: Establishes the criteria and process for obtaining approval and sign-off on the performance test plan from relevant stakeholders. |

1. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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