

Test plan

“JMeter”

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Introduction:

The following test plan is designed to indicates the test process of three endpoints using JMeter platform.

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Scope:

1. Verifies the ability of web to endure high number of users at once.
2. Verifies the ability of web to endure high number of users repletely.

Out of the scope:

1. The of the used APIs.
2. The architecture of the web.

Environment:

- Windows 11.
- JMeter.
- Testing environment.
- Production environment.

Timelines:

Test	Scheduled time
Web testing	3-2-2025 ➔ 4-2-2025

DOD:

1. If the requirements of the business team are applied and the workflow of the UI matches the requirements.
2. If the founded bugs are low in severity and accepted by the project manager.

Methodology:

The agile methodology will be used through the project, as well as the process will be tracked through Trello boards.

Non-functional test:

1. Load test:

Check the ability of the web to handle particular workload at the same time.

2. Performance testing:

Check the overall performance of the web.

3. Stress testing:

Check the ability of the web to withstand high number of requests without crashing or lagging.

Test responsibilities:

Developers:

- Design codes to satisfy the needs of the business team and the stack holder.
- Fix and handle bugs.

QA testers:

- Ensure the produced applications are designed based on business team requirements.
- Ensure the highest number of bugs are detected.
- Verifies and validates the produced products.

Business requirements:

1. Verifies the ability of web to endure high number of users at once.
2. Verifies the ability of web to endure high number of users repletely.