

Task: Performance Testing with Locust, Poetry, and Docker

Objective

This task is designed to evaluate your ability to quickly learn and apply new tools in a modern Python environment. You will use [Locust](#) for performance testing, [Poetry](#) for dependency management, and [Docker](#) for containerization.

Task Description

1. Set up a Poetry project using Python 3.10+ and add Locust as a dependency.
2. Write a simple Locust test that performs GET requests to <https://www.google.com>. Or any other public API. Select at least one endpoint; it could be more.
3. Create a Dockerfile that installs dependencies and is capable of running the Locust test.
4. Provide build and run commands to execute the test in Docker, and generate an HTML report saved to the host machine. (You may use Locust's --html option to generate a report and mount a volume to save it to the host machine).

How to Submit

- Preferred: Share a link to a public Git repository (e.g., GitHub, GitLab, Bitbucket) containing all deliverables. The project should also include a README file that describes its purpose and functionality.
- Alternatively: Submit a ZIP archive of your project.
- We expect to receive the completed task results not later than 7 days after submission

Disclaimer: After reviewing your submission, we will schedule a final interview call, during which we may ask additional questions related to this task. This will help us better understand your approach, decision-making, and familiarity with the tools used.