Performance Analyzer

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Abstract:

This endeavor improves the software quality assurance (QA) process of a digital health service provider. In the context of the pervasive use of digital health services, reliability, security, and performance are paramount. Applications capturing sensitive and regulated patient health data require the highest standards of security and performance, as well as ease of use.

The goal of this work is to construct a QA subsystem which guarantees high quality software while automating, continuously integrating, and performing AI-based tests as well as performance monitoring to accelerate the overall process. As a result, the overall testing effort is minimized, which translates into faster development cycles and a product of the highest quality. The superior quality approach builds user trust, decreases costs, and uninterrupted and industry compliant healthcare services.

Keywords:

Performance Testing, Healthcare Compliance, Defect Management, Scalability.