Load Testing
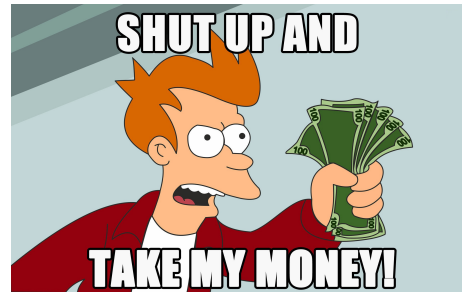
Surviving Under Stress

A Survey on Load Testing of Large Scale Software Systems
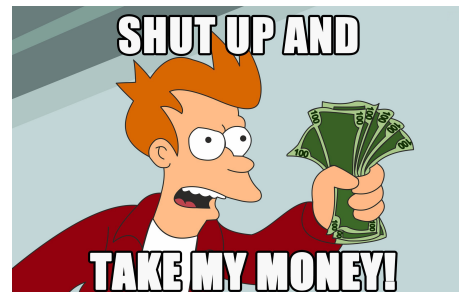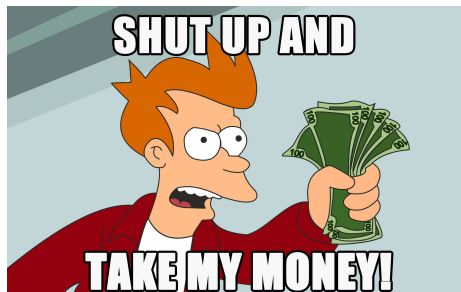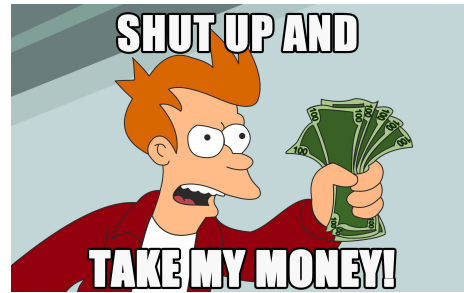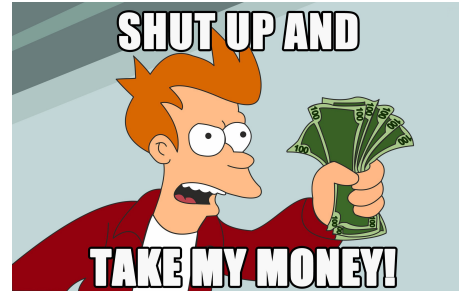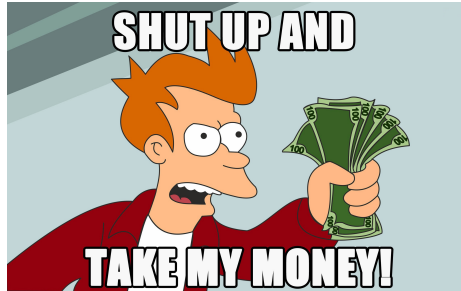
Authors: Zhen Ming Jiang, Member, IEEE, Ahmed E. Hassan, Member, IEEE

Free PDF available on Campus through IEEE

Why Load testing?

Why Load testing?

Why Load testing?

What is Load testing?

Load testing is the process of assessing the **behavior** of a system under load in order to detect **load-related problems**[1].

How can I design a load test?

Realistic Load [1]
Fault Inducing Load [1]

How can I Execute a load test?

Live **users** [1]

Load **Drivers** [1]

Deploying and Executing on a special **platform** [1]

How can I Analyze a load test?

Verify against **Service Level Agreements** [1]
Look for **common problems** (memory leakage) [1]
Look for **weird** behavior [1]

Exercise

Load test soccer server

References

[1] Jiang, Zhen Ming, and Ahmed Hassan. "A Survey on Load Testing of Large-Scale Software Systems."