№	Unit	Detailed info	Comments
1	*Document profile*	Performance test strategy (next - Strategy)	
		v 1.0	
		Creation date: 03/14/2019	
		Target audience: Strategy creator and performance testing course lecturers.	
		System: Simple e-commerce system. **Author**: Yevhen Vavilov (skype: yevgen.vavilov)	
2	*System description*	System contain three simple dockerized python apps: Authentification service; Product service; Cart service.	
		Acceptance criteria: Defined services should return responces with correct data. Product and cart services should have possibility to user Authentification service outputs.	
		Risks: Shutting down all of three services will provide huge loses for the customer.	
3	*Performance test objectives*	**Intended audience:** Course lecturers; Srategy's author.	
		Expectetaion: Perform home work in good shape and match to lecturers expectations.	
		Success criteria: Strategy will be accepted to define Performance results.	
4	*Expected outputs*	Directory with all testing results data.	
		Test results collected and performed as tables,diagrams and graphs.	
		Result analysis report.	
5	*KPIs*	Response Time for URIs, for each service.	
		Throughput including user sessions, performing similar requests at the parallel.	
		Resource utilization both server (CPU, Memory, Disk) and Network (bandwidth, throughput).	
		Reliability measurements.	
6	*Usage Model*		

7	*Test Environment*	Test and production environments will be setted up on the same machine with next technical specfication: **OS**: macOS Mojave 10.14.4 **CPU**: 2.2 GHz Intel Core i7 **RAM**: 16GB 1600 MHz DDR3 **Storage**: 256 SSD **Graphics**: Intel Iris Pro 1536 MB **Internet**: WiFi network up to 100 Mbit	
8	*Configuration management*	Test artifacts should be stored on the companies Google Drive. Needed folder named Performance_Testing. Directory hierarchy will collect folders by the KPIs name, which will be performed, or Preparation in case of gathering first, root information about the system.	
		As mentioned above artifacts will be stored in folders depends on KPIs performed. File naming should be in format: %KPI_name%_%date_perfomed%_%version(started from 00)%, e.g. ResponseTime_031419_01.	Do I need to explain the reasons for that kind of naming?
		After gathering full cycle of results they should be also copied to backup drive, e.g. iCloud drive.	
9	*Third party systems*	There are no any 3party dependencies at the moment of writing Strategy.	
10	*Prerequisite*	By accepting this Strategy we assume that development of current modules are finished, and all functional test were executed and passed.	
11	*Test schedule*	One performance engineer will be required for this project.	
		Preparing phase will take 1 business take from the day of accepting the Strategy.	
		Next activities will be executed every monday (for executing and maintaining test execution) and half of Tuesday (to analyze results) - totally 14 hours each two weeks.	
12	*Exit criteria*	Runs will be performed till the client won't stop pay for us.	
		When it reaches the required number of virtual users.	
		When the performance measurement matrix is satisfied.	
13	*Constraints*	ATM no constraints from the Performance engineer.	
		System will be released at the April 30.	
14	*Risk Factors*	Main risk which can be met by the Strategy performing - is lack of time because of Engineer load.	