DISQO TASK TEST STRATEGY

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Author | Description |
| Now | 1.0 | QA | Initial Test Strategy |
|  |  |  |  |

Contents

[1. Scope 1](#_Toc75518700)

[2. Test Approach 2](#_Toc75518701)

[3. Test Environment 2](#_Toc75518702)

[4. Testing Tools 3](#_Toc75518703)

[5. Release Control 3](#_Toc75518704)

[6. Risk Analysis 3](#_Toc75518705)

[7. Review and Approval 3](#_Toc75518706)

# Scope

Document should be reviewed by:

* QA
* Dev
* PM

Document should be approved by:

* QA
* PM

Main activities will be:

1. Requirements review
2. Testing documentation preparation
3. System design review
4. Automation tools selection
5. Automated tests creation + Manual testing
6. Load testing
7. Security testing

# Test Approach

Testing process:

1. Feature analysis
2. Do/not do automation
3. Manual testing
4. Automated test creation

Testing levels used

* Unit
* Integration
* API
* E2E

Roles:

* QA – Manual and automated testing (Integration, API, E2E)
* Dev – Unit and Integration

Testing types used:

* Unit testing
* Integration testing
* API testing
* ETL (DB) testing
* Functional testing
* Load testing
* Security testing

# Test Environment

**QA** – Will be used for QA manual and automated testing. Should mimic production configuration with lower resources.

**UAT** – Will be used by QA and PM for manual testing. . Should mimic production configuration with lower resources.

**Staging** – Will be used for Load testing. Should be production equivalent.

# Testing Tools

Automation tools used:

* Custom Java + TestNG + RESTAssured + JDBC automation framework – API and ETL testing.
* JMeter – Load testing.
* Security – SonarQube for static security testing from code perspective. And etc…

# Release Control

Release management plan is:

1. Release scope preparation,
2. Scope analysis,
3. Automation of some part of scope,
4. Full regression run,
5. Found defect analysis,
6. Go/not from all team members,
7. Deployment to production.

# Risk Analysis

Risks:

* Only one automation QA on the project
* Missing Staging environment for Load testing
* Short dead line
* Governmental personal data regulations
* Etc…

# Review and Approval

No review done for 1.0 version.