

# Test Reports

## Data Analytics Platform



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## Document overview

This document is the software test report of the Final testing phase of the Analytica software development project. It contains the results of tests, which were executed during the final testing phase.

## Abbreviations and Glossary

### Abbreviations

Pass: Testing has given expected results.  
PPass: Testing has given partial expected results.  
NRun: While testing, Expected things haven't run.  
NCompleted: While one of the component test flag comes to NRun Testing state is marked as NCompleted.  
SCompleted: While all of the component test are Passed we mark Testing has completed.

### Glossary

Pass, PPass, NRun, NCompleted, SCompleted.

## Testers

In the final testing phase all the people has tested his component of the software which he has made.

Testers where:

- Kamal Tulsiyani
- Meet Mungra
- Bhavya Solanki
- Gautam Ajugiya
- Shyam Butani
- Vin Patel

## Rationale for decision

After executing a test, the decision is defined according to the following rules:

- **OK:** The test sheet is set to "OK" state when all steps are in "OK" state. The real result is compliant to the expected result.
- **NOK:** The test sheet is set to "NOK" state when all steps of the test are set to "NOK" state or when the result of a step differs from the expected result.
- **Partial OK:** The test sheet is set to "Partial OK" state when at least one step of the test is set to "NOK" state or when the result of a step is partially compliant to the expected result. Keep it or remove. Source of inconsistencies: criteria to set if result is Partial OK may be qualitative
- **NOT RUN:** Default state of a test sheet not yet executed.
- **NOT COMPLETED:** The test sheet is set to "Not Completed" state when at least one step of the test is set "Not Run" state. Overall assessment of tests

Every Component of the software was giving OK flag during Final testing phase.

Statistics about Front-end tests:

- 96% of tests of Frontend were OK(Due to different size of screen sizes),
- 1% of tests NOK
- 3% of tests POK
- 0% of tests NR
- 0% of tests NC

Statistics about Back-end tests:

- 95% of tests of Backend were OK (Django library of python was sometimes giving unexpected results),
- 1% of tests NOK
- 4% of tests POK
- 0% of tests NR
- 0% of tests NC

### Statistics about DBMS tests:

- 100% of tests of DBMS were OK,
- 0% of tests NOK
- 0% of tests POK
- 0% of test NC
- 0% of test NR

### Statistics about Overall tests:

- 99% of tests of Overall were OK,
- 0% of tests NOK
- 1% of tests POK
- 0% of test NC
- 0% of test NR

### Give also statistics about bugs and enhancements:

- Total number 3
- Number of Critical 0
- Number of Major 1
- Number of minor 2
- Number of enhancements 3

## Impact of test environment

During every test of every component we have analyzed the impact of the test environment every time. Testing environment is the key element that is impacting all the small modules which together make the whole software. Like we noticed that the Django framework of the python and python language itself was working well under the linux based environment while in Windows based environment both were sometimes giving Unexpected results. About the Front-end of the software while tested under different environments like different size of devices and different browsers, the front-end was sometimes lagging. Overall Linux based environment was somehow little better than Windows based environment. Overall our Software is working well in all the environments and all the different size of the devices and all the different browsers.