ACME PROJECT

26.05.2022 - 07.06.2022

TEST RESULT REPORT, PROJECT STAGE

Project Documentation

Background	Information needed to assess the effectiveness of the testing process and the current state of the project.
Purpose	To provide the key information about the testing process and testing results.
Scope	Testing process description, test results, metrics, timetable, recommendations.
Audience	Management staff, QA team, project team.

CONTENTS

SUMMARY

In the period from May 26 to July 7, the following work was performed as part of the EPAM DATA LAB training project:
- Consistent and recurring business requirements
- Data profiling done
- Actively participated in the restoration of missing customer data
- Tested data on all layers (LND, 3NF, DM)
- Conducted functional and non-functional testing of dashboards
- Tested Dashboard Data (DPI) vs. DM layer data
- Testing of incremental data loading (end-to-end testing)
- Jenkins, JMeter, Git, Selenium were used for the survey.
- Prepared reporting documentation

551 test cases were created, 100% of business requirements was covered. 62% of tests were automated. Totally on all layers 96% of tests passed.

1 TEST TEAM

Name	Role	Responsibilities
Hanna Yaruk	Tester	Documentation creation (checklists, test result report, bug report), test-cases execution, requirements testing, code review, tests automation
Larisa ******	Tester	Documentation creation (checklists, test strategy, test result report, bug report), test-cases execution, requirements testing, code review, tests automation
Maxim ******	Tester	Restoring of data (orders), documentation creation (checklists, bug report), test-cases execution, requirements testing, code review, tests automation
Mikita ******	Tester	Documentation creation (checklists, bug report), test-cases execution, requirements testing, code review, tests automation
Vitali ******	Tester	Restoring of data (orders), documentation creation (test strategy, checklists, bug report), test-cases execution, requirements testing, code review, tests automation

2 TESTING PROCESS DESCRIPTION

ACME Project was tested under Windows 10 HomeEdition x64 in the dev and prod environments. The requirements for testing were provided in the documents "Business requirements.docx" and "Data mapping.xls" documents where information on data loading, the naming convention, and metadata information is contained. The tests on table existence, metadata checks, row by row tests, count/sum tests and duplicates checks were performed automatically. Regression testing is in the scope of the next sprint.
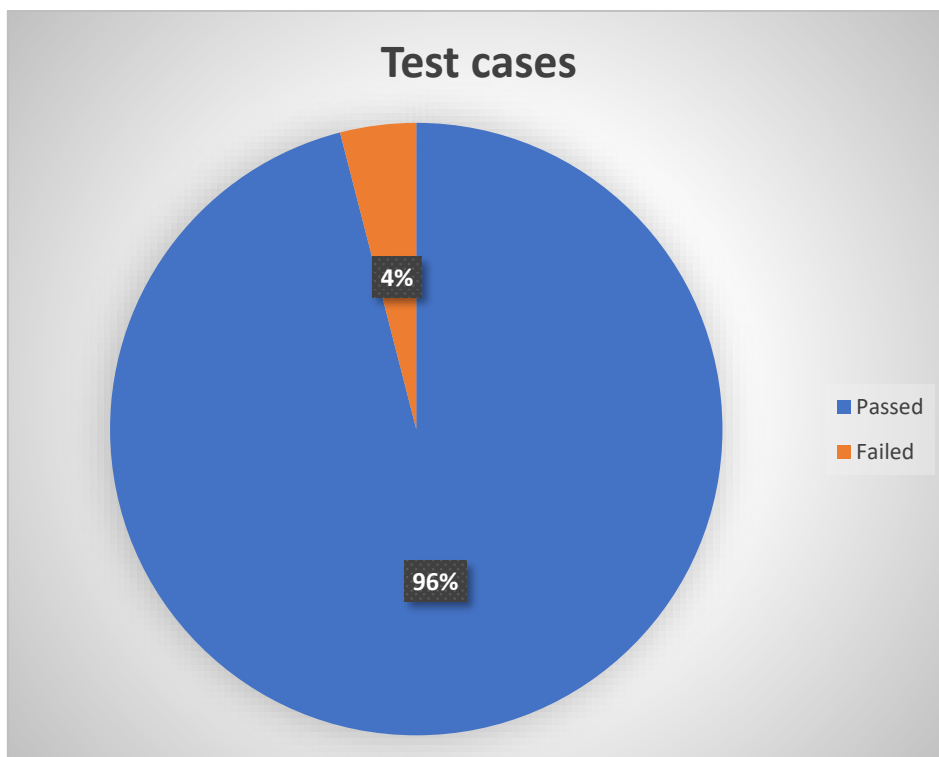
3 NEW BUGS STATISTICS

		Severity			
Status	Quantity	Low	Medium	High	Critical
Submitted	0	0	0	0	0
Fixed	20	1	8	9	2
Verified	0	0	0	0	0
Reopened	0	0	0	0	0
Declined	2	1	0	1	0

4 NEW BUGS LIST

ID	Severity	Summary
1	Low	Row-by-row check is failed
2	Low	Filters size check is failed
3	Low	Row-by-row check is failed
4	Medium	Russian language on dashboard
5	High	Constrains check is failed
6	High	Row-by-row check is failed
7	High	Duplicates check is failed
8	High	Row-by-row check is failed
9	High	Constrains check is failed
10	High	KPI calculation check is failed
11	Critical	Wrong metadata

5 ATTACHMENTS

2. Bug distribution by severity:

Bugs by Severity

- Low — 9%
- Medium — 36%
- High — 46%
- Critical — 9%
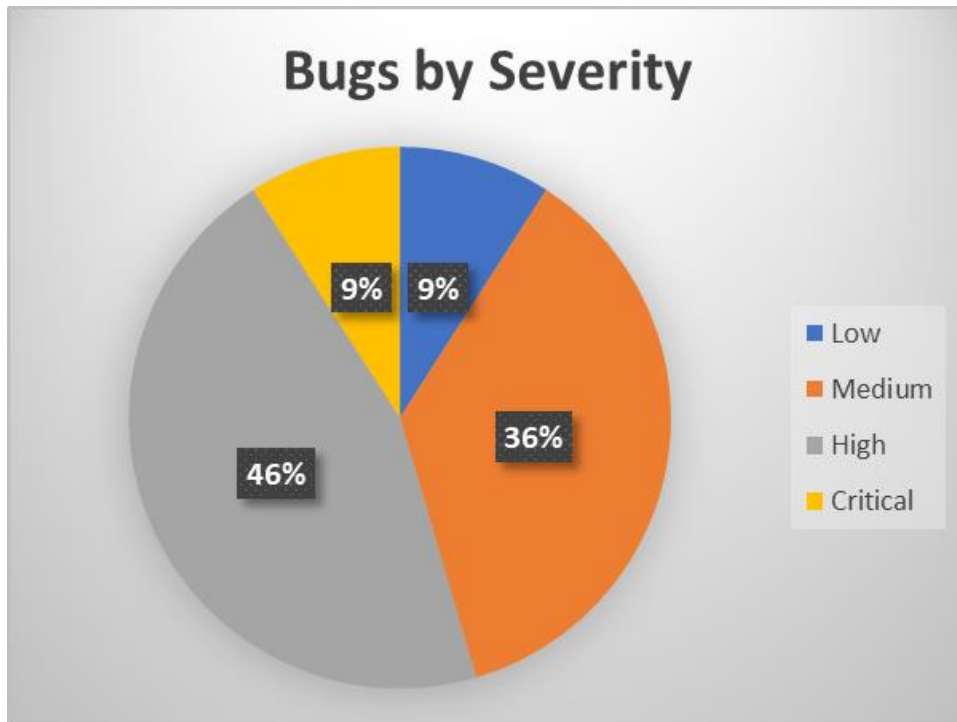
3. Bug distribution by test type:

Bugs by Test Type

- Table exists
- Metadata — 9%
- Constraints — 19%
- Count/sum
- Duplicates — 5%
- Row by Row — 48%
- Tableau tests — 19%