

Software Quality and Testing

TURKCELL TECHNOLOGY
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COURSE CONTENT

1 – Test Library

Creating test case library and rules to be followed in preparing the test case

2 – Test Lab

Scenario sets which will be held for the test

3 – Test Issue

Error notification

4 – Dashboard

Reporting of test data

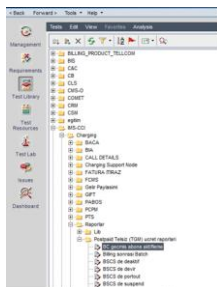


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TEST LIBRARY



Test library;
Quality Center module
that we write our test
cases

WHAT IS A TEST CASE?

A test case in software engineering is a set of conditions or variables under which a tester will determine whether an application or software system is working correctly or not.



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TEST LIBRARY BENEFITS

- Security
- Easy accessibility
- Reusability
- Reporting



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TEST CASE STANDARDS

- The purpose of the test case must have been written
- Test data should contain sufficient information
- Steps should be enough and understandable.
- Test results of the control method must be specified



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TEST TYPES

- | | |
|-------------------------|-------------------------------|
| • Unit Testing | • Security Testting |
| • Functional Testing | • Performans / Stress Testing |
| • Integration Testing | • End-To-End Testing |
| • Interface Testing | • Adhoc Testing |
| • Destructive Testing | • User Acceptance Testing |
| • Boundary Testing | |
| • Documentation Testing | |



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TEST CASE PRIORITIZATION

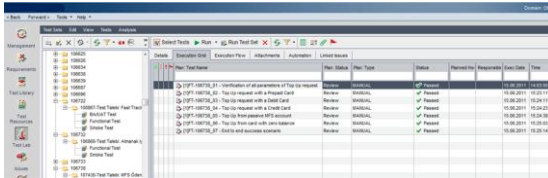
- Stands all the tests if scenario is not realized
- If test case is one of the basic scenario of product or service.
- Affects only a specific part of the product or service
- If the scenario has no functional effect (cosmetic scenarios).



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TEST LAB

- The module containing the test case sets in order to test a particular product or service



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TEST SET TİPLERİ

- Unit Test
- Pre Int Test
- Smoke Test
- Business Analyst Test
- UAT Test
- Post Deployment Test



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TEST SET STANDARTLARI

- Must be associated with the test request
- Choose the correct type of test phase
- Smoke Testing must be done.
- Fonksiyonel Testing must be done.
- Negative test should be done.
- Performans test must be done.
- Regression test set must be established
- Security test must be done



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TEST ISSUE

- Topic is considered as the test issue If application or service produce an incorrect, unexpected results or present performance or security breaches



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TEST ISSUE TYPES

- Code Defect
- Compiling Defect
- Label Defect
- Migration Defect
- Performans Defect
- Vendor Defect



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TEST ISSUE STANDARDS

- Test data used must be specified
- Screenshot of the error must be attached
- Detailed logs should be given
- Error analysis of the scenario should be told



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DASHBOARD

- In the Dashboard module, you create view and manage graphs, standard reports, and Excel reports for analyzing Quality Center data. You also create dashboard pages that display multiple graphs side-by-side.



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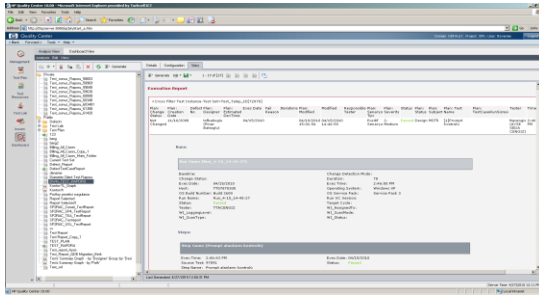
ABOUT THE DASHBOARD MODULE

- The **Analysis View** tab contains a tree in which you organize all of your analysis items. Analysis items can be any of the following analysis types: graphs, standard reports, and Excel reports.
- The **Dashboard View** tab contains a tree in which you organize dashboard pages. In **Dashboard pages** you arrange multiple graphs that you created in the analysis tree, and display them in a single view.



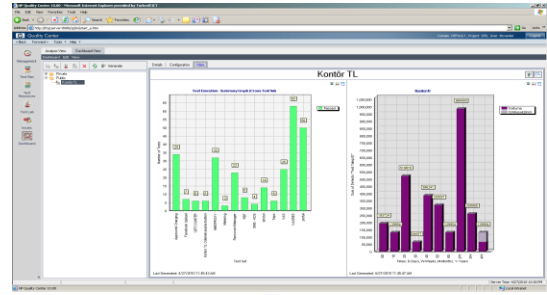
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EXAMPLE OF REPORT OUTPUT



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EXAMPLE OF DASHBOARD OUTPUT



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