

TURKCELL **AKADĖMİ**

Testing in SDLC



Part 1 - COURSE CONTENT

1 – What is Life Cycle?

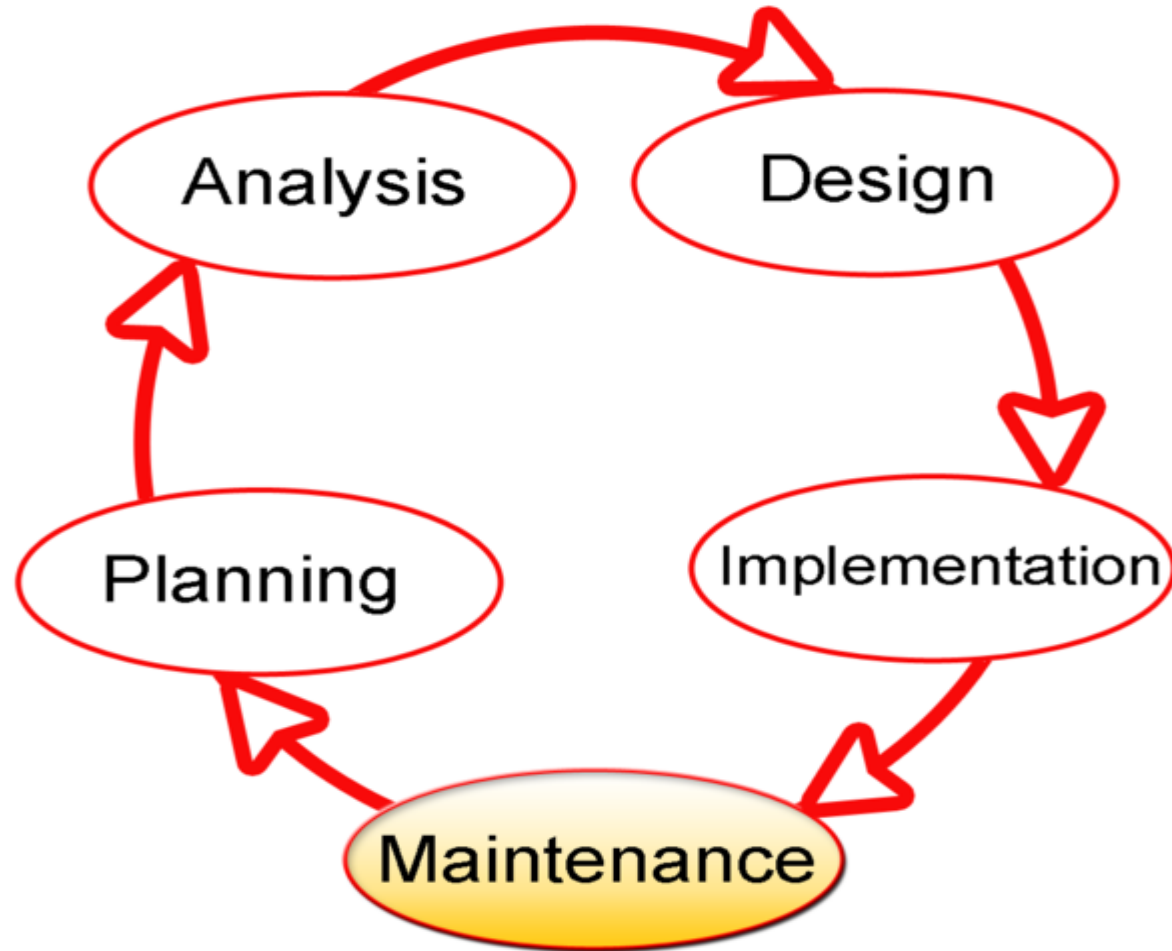
2 –Software Development Life Cycle (SDLC)

3 – SDLC in IT Projects

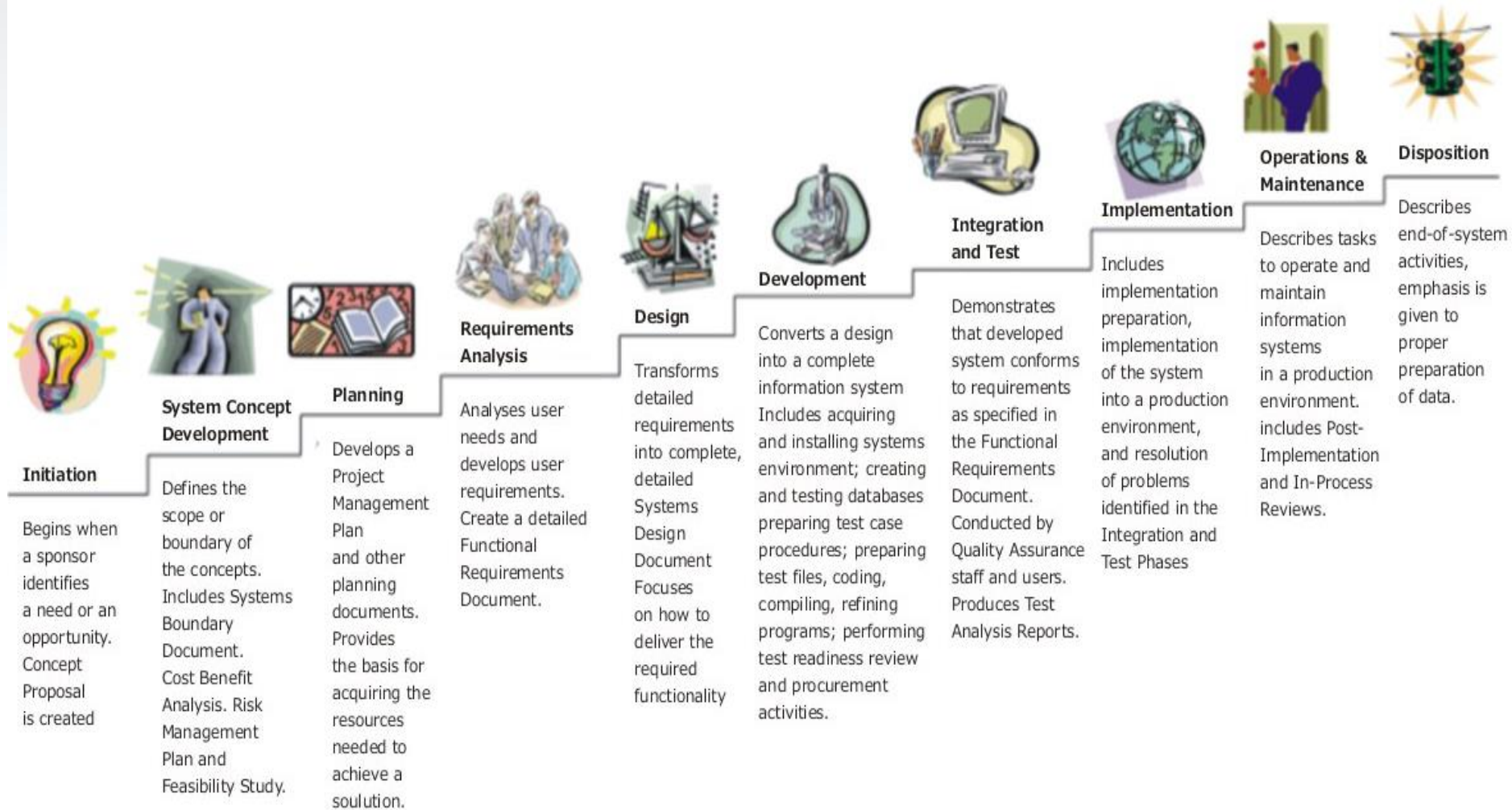
4 – Examples



What is Life Cycle ?



Software Development Life Cycle (SDLC)



Part 2 - 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

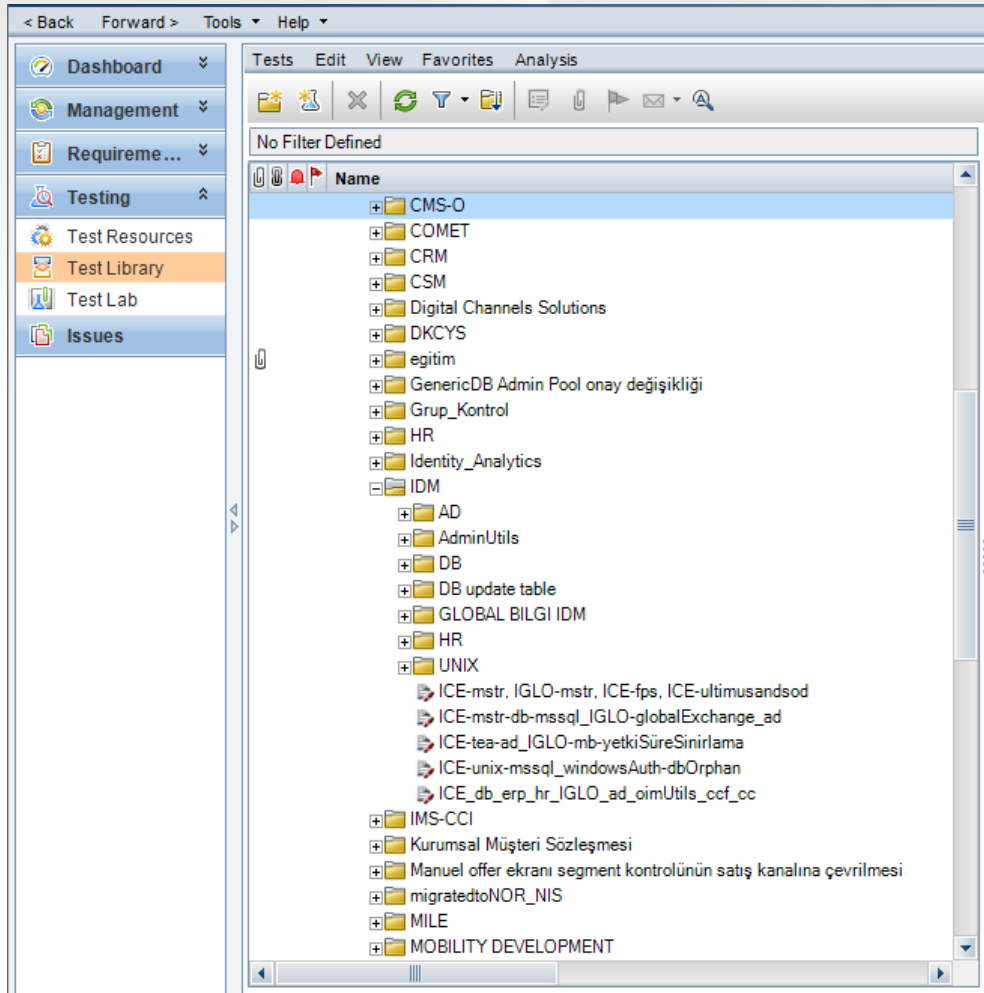
Error notification

4 – Dashboard

Reporting of test data



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.



TEST LIBRARY BENEFITS

- Security
- Easy accessibility
- Reusability
- Reporting



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

TEST TYPES

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

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).



TEST LAB

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

The screenshot displays the Test Lab interface. On the left, a sidebar contains navigation links: Dashboard, Management, Requirements, Testing, Test Resources, Test Library, Test Lab (highlighted), and Issues. The main area is divided into two panes. The left pane, titled 'Test Sets', shows a tree view of test sets with IDs ranging from 97286 to 98798, and a summary for '101051-Test Talebi: TTECH - 101865-Test Talebi: TTECH - 101865-Test Talebi: TTECH'. The right pane, titled 'Test Runs', shows a table of test results.

Name	Status
[1]Duzeltme Checkboxi isaretiliyken Tarife Degisikligi	Passed
[1]Evrak Aldim Isaretlemeden Tarife Degisikligi	Passed
[1]Evrak Yazdir isaretlemeden Tarife Degisikligi	Passed
[1]Evrakli Tarifeden Evrakli Tarifeye Gecis	Passed
[1]Evraksiz Tarifeden Evrakli Tarife Degisikligi	Passed



TEST SET TYPES

- Unit Test
- Smoke Test
- Functional Test
- Business Analyst Test
- UAT Test
- Post Deployment Test



TEST SET STANDARDS

- 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



TEST ISSUE

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



TEST ISSUE TYPES

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



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

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.



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.

EXAMPLE OF REPORT OUTPUT

< Back Forward > Tools Help

Dashboard Analysis View Dashboard View Management Requireme... Testing Test Resources Test Library Test Lab Issues

Analysis Edit View

Details Configuration View

Generate 1 - 1 of [1]

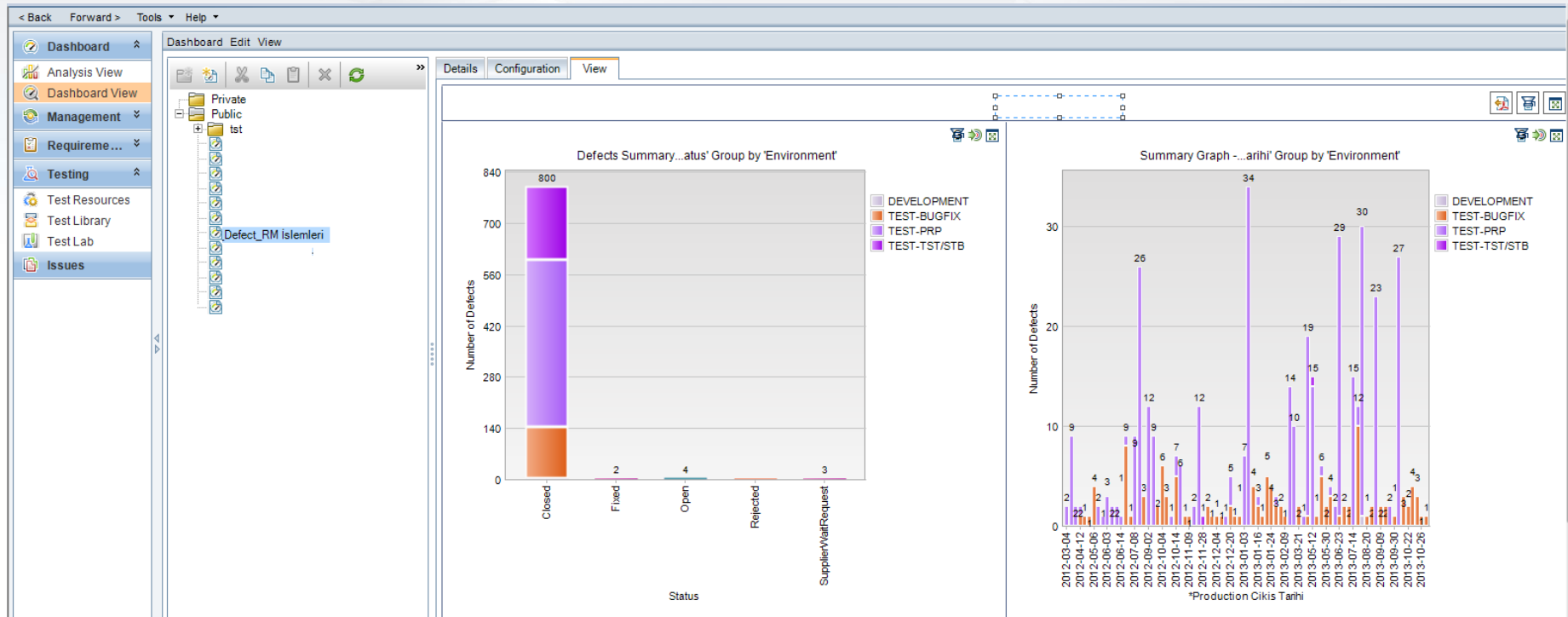
Planning Report

Filter: Test ID[378675]

Test ID (378675) - ICE_db_erp_hr_IGLO_ad_oimUtils_ccf_cc

01-Test datasi için yeterli bilgi var mı?:	02-Steplerin yeterli sayıda ve anlaşılır mı?:
03-Test sonuçlarının yeri ve kontrol yöntemleri:	04-Description kısmında amac tanımlı mı?:
Automated By:	Change Status:
Estimated DevTime:	Creation Date: 04.10.2013
Modified: 04.10.2013 13:21:46	Designer:
Protocol Type:	Execution Status: Passed
Review Score:	Path:
Senaryo Tipi: Interface Test	Review Date:
Status: Design	Reviewed By:
TAG:	Severity: 3,Medium
Test ID: 378675	Subject: IDM
TestCaseRunSüresi:	Template:
Type: MANUAL	Test Name: ICE_db_erp_hr_IGLO_ad_oimUtils_ccf_cc
	Testing Mode:
	Working Mode:

EXAMPLE OF DASHBOARD OUTPUT



TURKCELL
AKADĒMİ

Teşekkürler...