

Practical 3
Software Testing and Quality Assurance
2CSDE80

Mistry Unnat
20BCE515

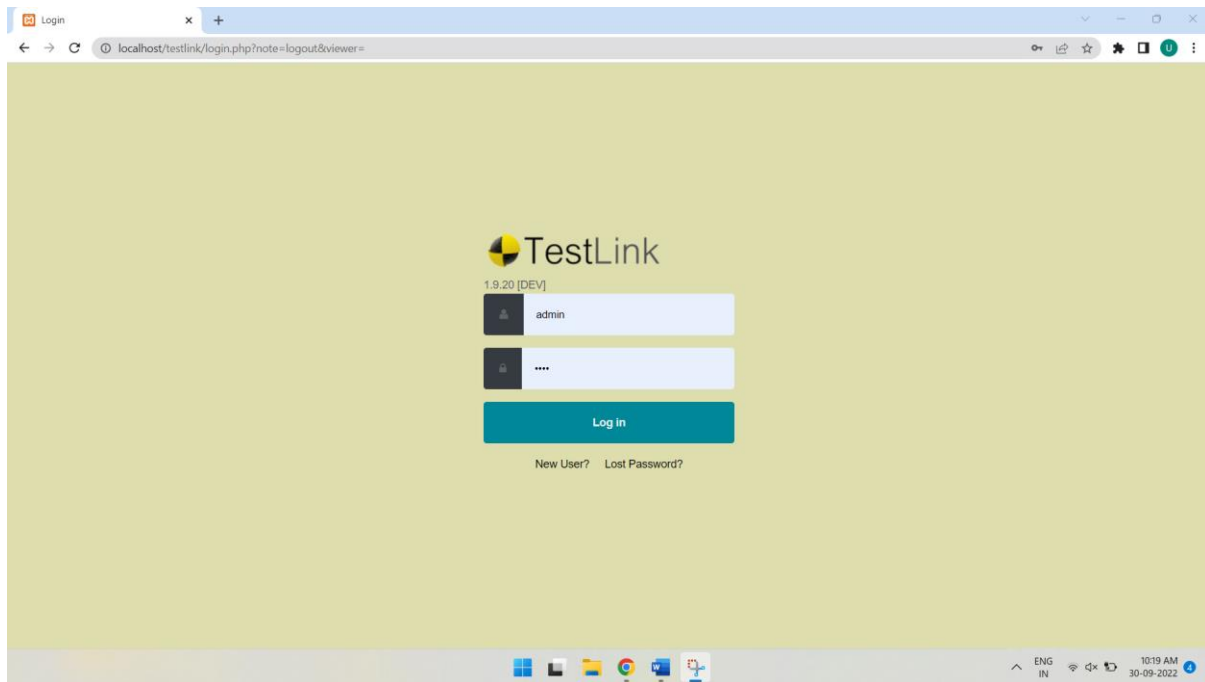


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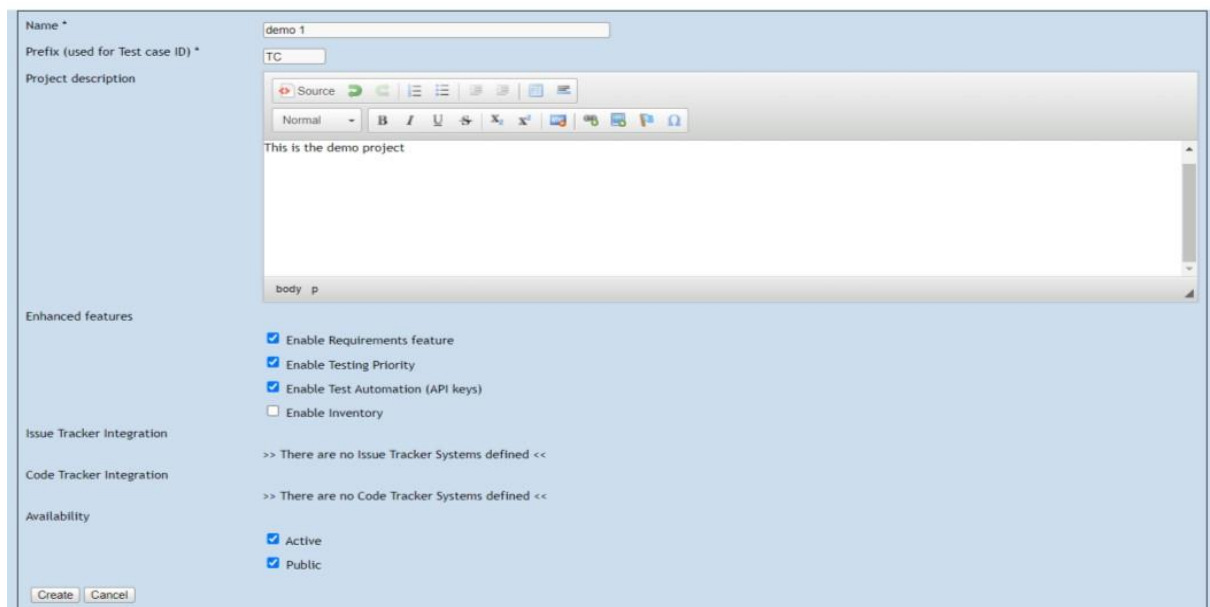
AIM :

To study and perform sample tests using Test Link Testing tool.

Login to TestLink :



Step 1: To create TestLink Project



Define Custom Fields	Test Plan Management
Issue Tracker Management	
Code Tracker Management	Powered by TestLink 1.9.20 [DEV]
Test Project Management	
Assign User Roles	
Assign Custom Fields	
Keyword Management	
Platform Management	
Inventory management	
Requirement Specification	
Requirement Overview	
Generate Requirement Specification Document	
Search Requirements	
Search Requirement Specifications	
Assign Requirements	
Requirement Monitoring Overview	
Test Specification	
Test Cases created per User	

To create a new project :

Test Project Management (1 Test Projects)

Search will be done on NAME in LIKE '%value%' [Search/Filter](#) [Reset Filter](#) [Create](#)

Show entries

Name	Description	Prefix	Issue Tracker	Code Tracker	Requirement Feature	Active	Public	delete
demo 1	This is the demo project	TC						

Showing 1 to 1 of 1 entries

Previous **1** Next

Navigator - Requirement Specifications

Settings
Update tree after every operation ☒

Filters

Document ID
 Title
 Status
 Requirement Type
 Req. Spec. Type
 Expected no. of testcases
 Has relation of type
 Test Case ID

[Apply](#) [Reset Filters](#) [Advanced Filters](#)

[Expand tree](#) [Collapse tree](#)

demo 1 (0)

Test Project : demo 1 : Requirement Specifications

[Create](#) [Export All Requirement Specifications](#) [Import](#)

Step 2: Creating Requirements

Req. Spec. : [REQ1] :: Registration Functionality

Requirement Specification Operations
[Create](#) [Edit](#) [Delete](#) [Import](#) [Export](#) [Freeze all Requirements](#) [Create a new revision](#) [Print view](#)

Requirement Operations
[Create](#) [Import](#) [Export](#) [Create From Issues \(XML\)](#)

Req. Spec. : [REQ1] :: Registration Functionality

revision :
 Type : User Requirement Specification
 Scope

Registration Functionality

Requirement Overview - Number of Requirements: 2

Generated by TestLink on 09/17/2021 09:35:51
☐ Show all versions of each requirement

Requirements

Expand Collapse Groups Show all Columns % Reset to Default State Refresh Reset Filters Multiselect /

Title	Version	Created	Last modified	Frozen	Coverage %	Type	Status	# Related Req
Req. Spec.: Registration Functionality (2 items)								
Req1: Register with google account	V1(1)	09/17/2021 08:20:23 (akt...)	09/17/2021 14:26:23 ()	No	0% (0/5)	Use Case	Draft	0
Req2: Register with facebook account	V1(1)	09/17/2021 08:38:19 (akt...)	09/17/2021 14:26:19 ()	No	0% (0/1)	Use Case	Draft	0

This Overview shows all requirements (last or all versions) and all the related attributes. In addition all defined custom fields for requirements will be shown in a separate column.

Coverage:
 A value of e.g. "40% (8/20)" means that 20 Test Cases have to be created for this Requirement to test it completely. 8 of those have already been created and linked to this Requirement, which makes a coverage of 40 percent.

Navigator - Requirement Specifications

Settings
 Update tree after every operation ☒

Filters

Document ID:

Title:

Status: [Any] ▼

Requirement Type: [Any] ▼

Req. Spec. Type: [Any] ▼

Expected no. of testcases:

Has relation of type: [Any] ▼

Test Case ID: TC-

Apply Reset Filters Advanced Filters

Requirement: Register with google account

Req1: Register with google account

Version 1 revision 1

Status: Draft

Type: Use Case

Number of test cases needed: 5

Scope

Register with google account

Coverage

Navigator - Requirement Specifications

Settings
 Update tree after every operation ☒

Filters

Document ID:

Title:

Status: [Any] ▼

Requirement Type: [Any] ▼

Req. Spec. Type: [Any] ▼

Expected no. of testcases:

Has relation of type: [Any] ▼

Test Case ID: TC-

Apply Reset Filters Advanced Filters

Expand tree Collapse tree

demo 1 (2)

REQ1 Registration Functionality (2)

Req1 Register with google account

Req2 Register with facebook account

Step 3: Creating Test Suites

Test Project: demo 1

Create Test Suite

Save Cancel

Test Suite Name
 Registration Test Suit

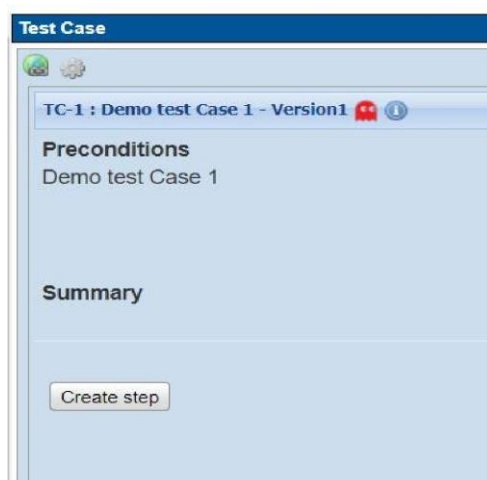
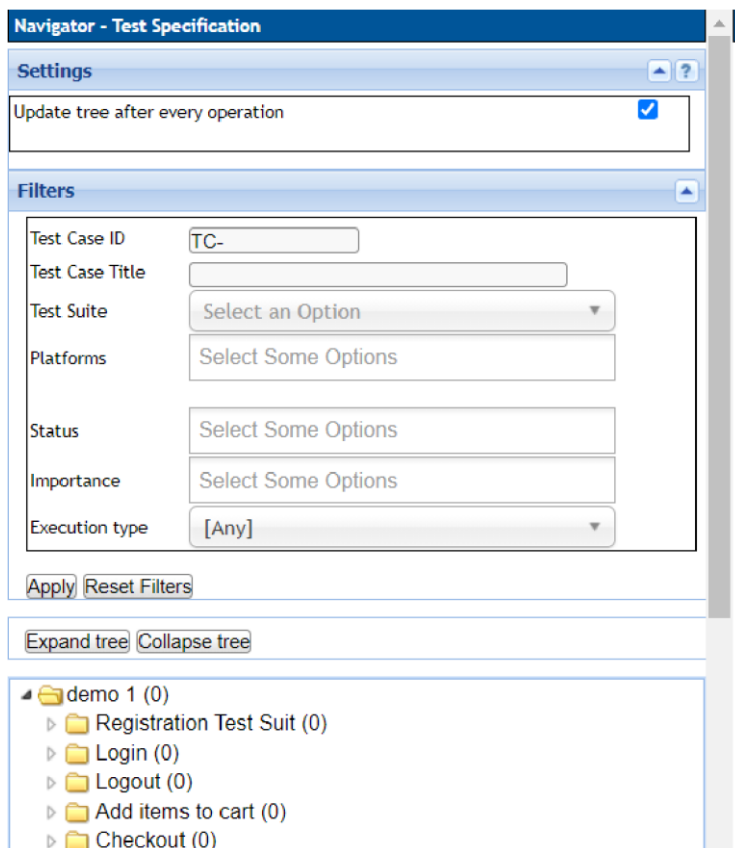
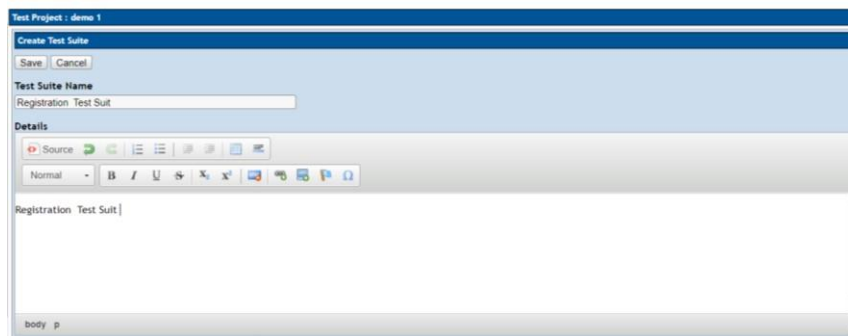
Details

Source

Normal B I U X₂ X₁ [Icons]

Registration Test Suit |

body



Test Project : Registration Test Suit

Move/Copy Test Cases

Choose a target: Registration Test Suit

☒ Copy keywords

☒ Copy Requirement Assignments

Show 25 entries

Search:

Test Case	Summary	Status	Importance	Execution type
<input checked="" type="checkbox"/> TC-1 : Demo test Case		Draft	Medium	Manual

Showing 1 to 1 of 1 entries

Previous 1 Next

Linking the test cases :

TestLink - Google Chrome

127.0.0.1/testlink/lib/requirements/reqTcAssign.php?edit=testcase&showCloseButton=1&callback=a&id=13

Test Case : Demo test Case 1 [v1]

Assign Requirements to Test Case : Demo test Case 1 [v1]

Requirements Specification Document: REQ1 - Registration Functionality

Assigned Requirements

Document ID	Requirement	Scope
<input checked="" type="checkbox"/> Req1	Register with google account [v1]	Register with google...

Available Requirements

Document ID	Requirement	Scope
<input checked="" type="checkbox"/> Req2	Register with facebook account [v1]	Register with facebook...

TC-2 : Demo test Case 2 - Version1

Preconditions

Summary

#	Step actions	Expected Results	Execution
1	Step 1 - Test Step	Step 1 - Test Result	Manual
2	Step 2 - Test Step	Step 2 - Test Step	Manual
3	Step 1 - Test Step	Step 1 - Test Step	Manual
4	Step 4 - Test Step	Step 4 - Test Step	Manual
5	<div> <input type="button" value="List"/> <input type="button" value="Text"/> <input type="button" value="B"/> <input type="button" value="I"/> <input type="button" value="Link"/> <input type="button" value="Image"/> <input type="button" value="Table"/> </div>		Manual

Test Case

TC-2 : Demo test Case 2 - Version1

Preconditions

Summary

#	Step actions	Expected Results	Execution
1	Step 1 - Test Step	Step 1 - Test Result	Manual
2	Step 2 - Test Step	Step 2 - Test Step	Manual
3	Step 1 - Test Step	Step 1 - Test Step	Manual
4	Step 4 - Test Step	Step 4 - Test Step	Manual

Create step Resequence Steps

Status : Draft Importance : Medium Execution type : Manual ☐ Apply To All Steps

Estimated exec. (min) : Save

Building Test Plan :

Test Plan Management - Test Project demo 1

Name: Create Test Plan 1

Description: Simple Test plan 1

Active: ☒

Public: ☒

Create Cancel

Test plans should encompass a (set of) clearly defined tasks with a timeframe and content. They can be created for everything from simple change requests to new product versions. It is recommended that the description field be used to document links to project plans and related documentation, lists of features to be tested, risks, etc. You can create a new test plan from an existing one. The items that are copied include: builds, test cases, priorities, milestones, and user roles. Test plans can be deactivated (i.e., editing and changing of results change are not allowed). Deactivated test plans are visible only via 'Reporting' and this page.

Test Plan Management - Test Project demo 1

Show 20 entries Search:

Name	Description	Test Case #	Build #	Active	Public
Create Test Plan 1	Simple Test plan 1	0	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Showing 1 to 1 of 1 entries Previous 1 Next

Create

Assigning TestCases to user :

Test Plan : Create Test Plan 1 - Add/Remove Test Cases to/from Test Plan

Assign to user on add: sakshi on build: version 0.1 ☐ Send mail notification to tester

Check/uncheck all Test cases for: adding removal Add / Remove selected Save order

Test cases with Latest Version with status with one of these values (Obsolete,Future) will not be displayed in this screen

Registration Test Suit

Test Case	Version	Status	Importance	Count	Created
TC-1 : Demo test Case 1	1	Draft	Medium	10000	09/17/2021

Test Plan Management - Test Project demo 1

Show 20 entries

Search:

Name	Description	Test Case #	Build #	Active	Public
Create Test Plan 1	Simple Test plan 1	1	1		

Showing 1 to 1 of 1 entries

Previous 1 Next

Create

Executing Test Cases:

Build management - Test Plan : Create Test Plan 1

Create a new Build

Title: version 0.1

Description:

Active: ☒

Open: ☒

Release date: 09/30/2021

commit id:

tag:

branch:

release candidate:

A build is identified by its title. Each build is related to the active Test Plan.
Description should include: list of delivered packages, fixes or features, approvals, status, etc.
A build has two attributes:
Active / Inactive - defines whether the build can be used. Inactive builds are not listed on the execution and reports pages.
Open / Closed - Only for open builds, test results can be modified.

Create Cancel

Test Plan Management - Test Project demo 1

Title	Description	Release date	Active	Open	delete
version 0.1		09/30/2021			

Create

A build is identified by its title. Each build is related to the active Test Plan.
Description should include: list of delivered packages, fixes or features, approvals, status, etc.
A build has two attributes:
Active / Inactive - defines whether the build can be used. Inactive builds are not listed on the execution and reports pages.
Open / Closed - Only for open builds, test results can be modified.

END