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COURSE CODE & NAME : 2CSDE80, Software Quality And Testing Assurance

AIM: To study and perform sample tests using Test Link Testing tool

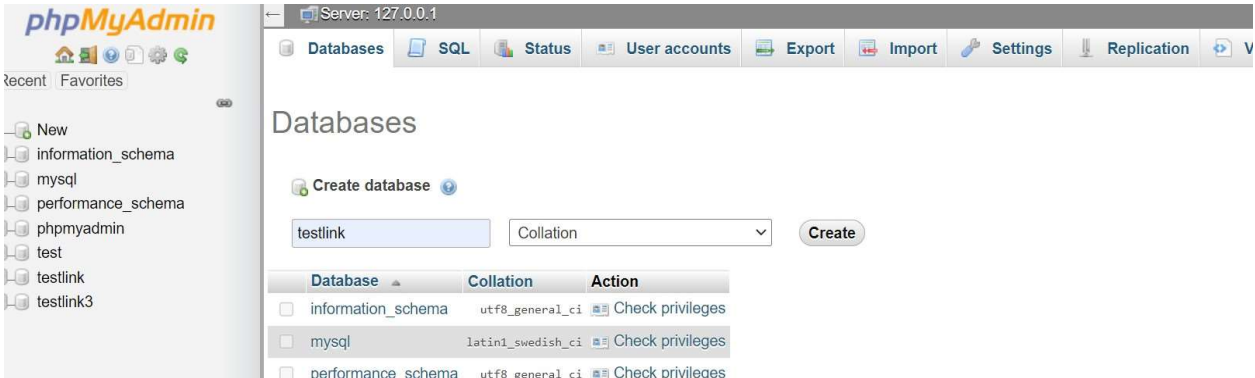
Task 1: TestLink Setup and Project Creation

1. Install and set up TestLink on your local machine or access the hostedTestLink service.

Ans. Install testlink from <https://sourceforge.net/projects/testlink/> and extract the zip file at <C:\xampp\htdocs\testlink-1.9.0>.

 dashboard	06-08-2024 11:20	File folder	
 img	06-08-2024 11:20	File folder	
 testlink-1.9.0	06-08-2024 12:11	File folder	
 webalizer	06-08-2024 11:20	File folder	
 xampp	06-08-2024 11:20	File folder	
 applications	27-02-2017 15:06	Chrome HTML Docu...	4 KB
 bitnami	27-02-2017 15:06	CSS Source File	1 KB
 favicon	16-07-2015 21:02	ICO File	31 KB
 index	16-07-2015 21:02	PHP Source File	1 KB

2. Create a Database 'testlink'.



3. Create a user named 'testlinkuser'.



4. Create a User In testlink.



5. Create a new project in TestLink, naming it "Sample Project."

The screenshot shows the 'Edit Sample_Project' form in TestLink. The form has several sections: 'Name' with a text input containing 'Sample_Project'; 'Prefix (used for Test case ID) *' with a text input containing 'TC001'; 'Project description' with a large text area and a rich text editor toolbar; 'Enhanced features' with four checkboxes: 'Enable Requirements feature', 'Enable Testing Priority', 'Enable Test Automation (API keys)', and 'Enable Inventory', all of which are unchecked; and 'Availability' with two checkboxes: 'Active' and 'Public', both of which are checked. At the bottom left are 'Save' and 'Cancel' buttons. A note at the bottom states '* Mandatory fields'.

Task 2: Test Plan Creation

1. Create a test plan for the Sample Project.

The screenshot shows the 'Edit Test Plan - SampleTestPlan' form in TestLink. The form has a 'Name' field with 'SampleTestPlan' and a 'Description' field with a large text area and a rich text editor toolbar. Below these fields are 'Active' and 'Public' checkboxes, both of which are checked. At the bottom left are 'Update' and 'Cancel' buttons. A detailed note at the bottom explains that test plans should encompass a set of clearly defined tasks with a timeframe and content, and that they can be deactivated.

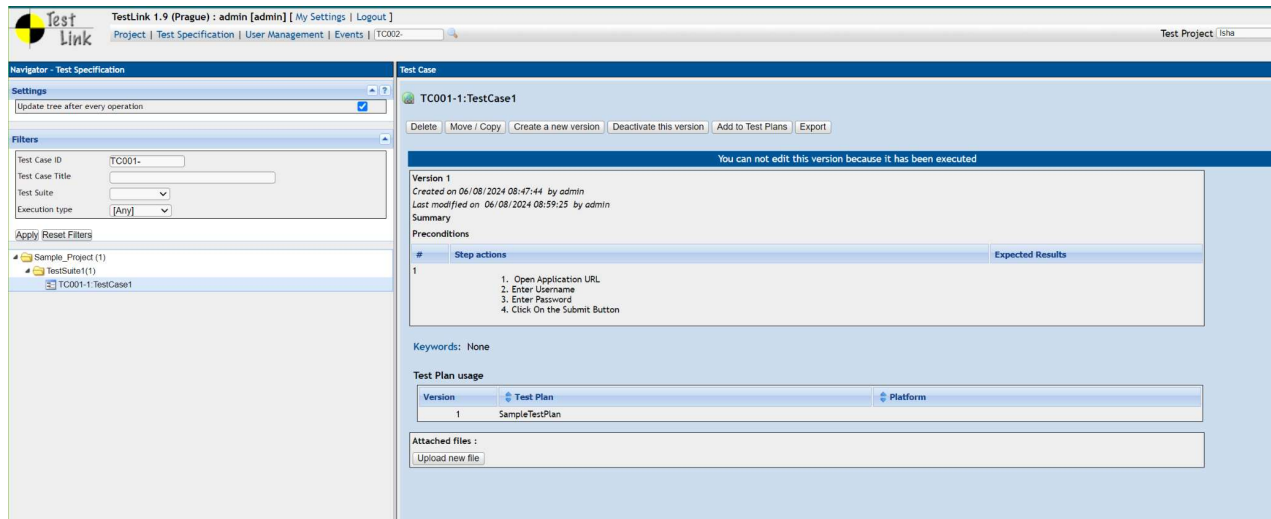
Task 3: Test Suite Creation

1. Create at least two test suites within the test plan.
2. Name the test suites "Functionality Testing" and "User Interface Testing."

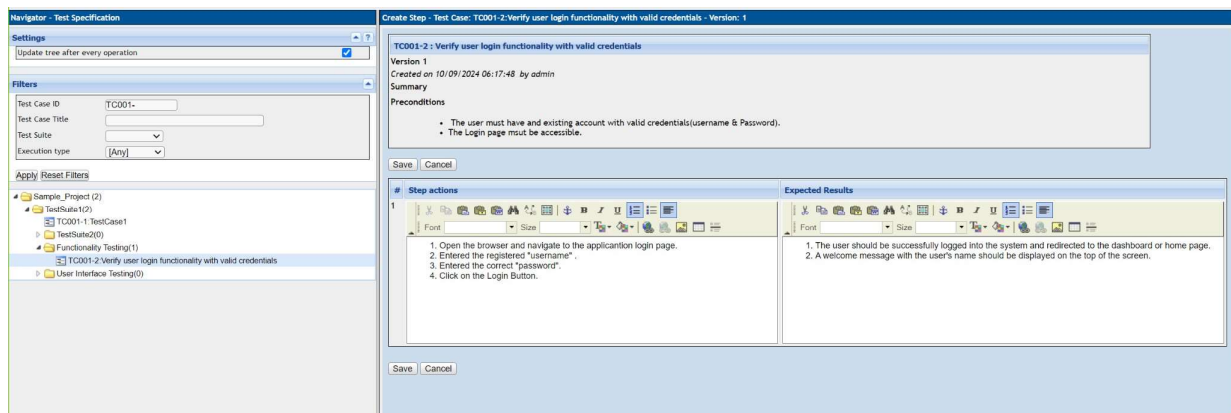
The screenshot shows the 'Test Suite - TestSuite1' form in TestLink. The form has a 'Test Suite Name' field with 'User Interface Testing' and a 'Create Test Suite' button. Below this is a 'Details' section with a large text area and a rich text editor toolbar. The text area contains the text 'This is the test Suite for User Interface testing.' On the left side, there is a 'Navigator - Test Specification' panel showing a tree view of the project structure, including 'Sample_Project (1)', 'TestSuite(1)', and 'Functionality Testing(0)'.

Task 4: Test Case Creation

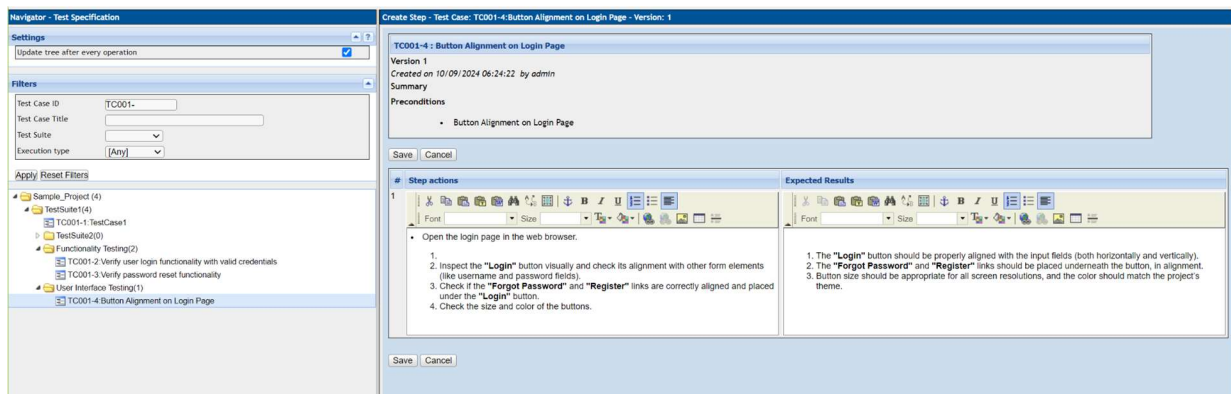
1. Create test cases for each test suite with relevant test steps and expected results.



2. For the "Functionality Testing" suite, create test cases to cover different functionalities of the project.



3. For the "User Interface Testing" suite, create test cases to validate the project's user interface components.



Task 5: Test Execution

1. Execute the test cases within the respective test suites.

The screenshot displays the TestLink interface for Test Case ID TC001-2. The left sidebar shows the test plan hierarchy: Sample_Project / SampleTestPlan (4/0, 3, 1, 0) / TestSuite1 (4/0, 3, 1, 0) / TC001-1 TestCase1 / Functionality Testing (2/0, 2, 0, 0) / TC001-2 Verify user login functionality with valid credentials. The main panel shows the test case details for TC001-2, including preconditions, execution type (Manual), and step actions. The execution results table shows a single run on 10/09/2024 at 06:32:27, tested by admin, with a status of Passed. The summary section shows the test case passed.

Date	Build	Tested by	Status	Test Case Version	attachments	Run mode
10/09/2024 06:32:27	TestBuild	admin	Passed	1		

2. Mark the test cases as "pass" or "fail" based on the test results.

The screenshot displays the TestLink interface for Test Case ID TC001-4. The left sidebar shows the test plan hierarchy: Sample_Project / SampleTestPlan (4/0, 3, 1, 0) / TestSuite1 (4/0, 3, 1, 0) / TC001-4 TestCase1 / User Interface Testing (1/0, 0, 1, 0) / TC001-4 Button Alignment on Login Page. The main panel shows the test case details for TC001-4, including preconditions, execution type (Manual), and step actions. The execution results table shows a single run on 10/09/2024 at 06:32:55, tested by admin, with a status of Failed. The summary section shows the test case failed.

Date	Build	Tested by	Status	Test Case Version	attachments	Run mode
10/09/2024 06:32:55	TestBuild	admin	Failed	1		

Task 6: TestLink Reports

1. Generate a test execution report for the test plan.

Test Suite : TestSuite1

Test Case TC001-1: TestCase1
Test Suite : Functionality Testing
Test Case TC001-2: Verify user login functionality with valid credentials
Test Case TC001-3: Verify password reset functionality
Test Suite : User Interface Testing
Test Case TC001-4: Button Alignment on Login Page

Test Suite : TestSuite1

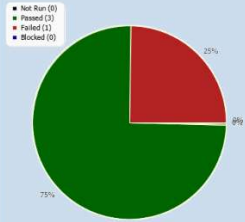
Test Case TC001-1: TestCase1	
Last Result:	Passed
Build	TestBuild
Tester	admin
Test Suite : Functionality Testing	
Test Case TC001-2: Verify user login functionality with valid credentials	
Last Result:	Passed
Build	TestBuild
Tester	admin
Test Case TC001-3: Verify password reset functionality	
Last Result:	Passed
Build	TestBuild
Tester	admin
Test Suite : User Interface Testing	
Test Case TC001-4: Button Alignment on Login Page	
Last Result:	Failed
Build	TestBuild
Tester	admin

2. Include details of test cases executed

Graphical Reports

Test Project : Sample_Project
Test Plan : SampleTestPlan

Overall Metrics



Results by Keyword

Results by Keyword: No data available

Results by Tester



Results for Top Level Suites

