

01. Test Cases Design of Python language only "Introduction to Python"
 Test Design Techniques using Decision Table Testing
 Test Case = T_____1
 Vaild= yes, invaild=No

	T01	T02	T03	T04	T05	T06	TC-07	TC-08	TC-09
Course : Name	Yes	Yes	Yes	Yes	No	No	Yes	No	No
.Lesson : Name	Yes	Yes	Yes	Yes	No	No	Yes	No	No
submitted the following quiz	Yes	Yes	Yes	No	Yes	No	No	Yes	No
if the quiz answer is valid , Display the Best Wishes random message	Yes	Yes	Yes	Yes	No	Yes	No	No	No
if the quiz answer is invalid, Display the message and try again	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
using point , get the answer	Yes	Yes	Yes	No	No	Yes	No	No	No
after the question has been answered, may submit comments.	Yes	Yes	Yes	Yes	No	No	Yes		No
if answer not correct heart point will be minus	Yes	Yes	Yes	No	Yes	No	No	Yes	No

02.You need to validate test case Success/Failed.

Answer:

Test Case ID	Test Case Description	Test Data	Expected Results	Actual Results	Pass/Fail
ID-01	Validate the course enrollment functionality for a specific course (Introduction to Python).	specific course(Name).	The user should be successfully enrolled in the course and have access to course materials .	As Expected	Pass
ID-02	Check to see if you got permission to start the course's quiz.	particular lesson	The user should successfully have access to the quiz	As Expected	Pass
ID-03	in the quiz If wrong answer is submitted, check whether the answer is accepted	specific quiz	the answer should not is accepted & Display the message try again	As Expected	Pass
ID-04	in the quiz If answer is submitted, check whether the answer is accepted	specific quiz	the answer should accepted & Display the Best Wishes random message	As Expected	Pass
ID-05	utilizing 20 points to check that get the answer	20 points	The user should be successfully get the answer	As Expected	Pass
ID-06	if answer not correct heart point will be minus	heart point	the user submitted by wrong answer heart point will be minus.	As Expected	
ID-07	Verify the functionality of adding comments to a quiz	comments	The comment should be successfully submitted	As Expected	Fail

03.You need to write a procedure on how you prepared these test cases.

Answer:

Prepared these test cases using black box testing approach based on Equivalence partitioning, Decision table and Experience-based technique.

Box Technique:

- The Tester looks the test object as a Black Box.
- internal structure of the test object is irrelevant or unknown.
- Testing of input/ output behavior.
- Black box testing is also called functional testing or specification oriented testing.

Equivalence class (EC) partitioning:

The range of defined values is grouped into equivalence classes: invalid EC and valid EC.

Decision Table Testing:

Equivalence class partitioning and boundary analysis deal with isolated input conditions.

Experience based techniques:

Practice of creating test cases without a clear

Methodical approach, based on the experience of the tester intuition and

Test cases are based on intuition and experience Where have errors accumulated in the Where does software often fail.

04.You need to provide your decision/Improvement.

a .What types of things do you not like about their app as a tester, and why?

Answer:

- 1.The email activation process is not user-friendly to me because when I open my new ID, there is no link in the email, therefore I can't post comments.
- 2.The hint text in the edit summary should be removed,This is not significant.

b.Give some suggestions on how they can improve their app

Answer: improve their app key points :

- 1.App exit permission must be added.
- 2.sololearn apps splash screen loading huge time taken.
- 3.need to include a phone number.
- 4.in the change password -> need to include password icons in the password and retype Password field.
- 5.need to Include Bangla language.
- 6.need to add quiz duration time

c.What types of tools and language do we need if we want to go for automation testing?

Answer:using mobile automation testing tool Appium & Java programming languages.

Appium is an open-source automation testing tool specifically designed for mobile applications. It allows you to automate testing on both Android and iOS platforms, making it a versatile choice for mobile application testing. Here are some key features and benefits of using Appium:

Cross-Platform Support -> Native and Hybrid App Testing -> Multiple Programming Languages-> WebDriver Protocol ->

Real Devices and Emulators/Simulators -> Robust Community Support -> Integration with Continuous Integration (CI) Tools.
Appium simplifies the automation testing process for mobile applications, providing a platform-agnostic solution

and allowing testers to write tests using Java programming languages. Its wide range of features and strong community support make it a valuable tool for mobile automation testing.

d. Give some suggestions about this.

Answer: most important recommendations for this software.

User-Friendly Interface : User-friendly interface ensures smooth navigation, clear instructions, and interactive elements for engaging learners.

Multimedia content: Multimedia content includes videos, presentations, interactive quizzes, and downloadable resources for online and offline access.

Social Media Advertising: Provide training on social media advertising platforms such as Facebook Ads, Instagram Ads, Twitter Ads, and LinkedIn Ads.

Continuous Learning Resources: Encourage continuous learning and professional development in marketing through various resources.