

Quiz 13: Software testing exercises

Your name and ID:

Exercise #1: Finding defects

As a software tester, what do you do? Of course, testing the software, you would say.....Okay, can you find out defects on the page shown below?

The screenshot shows a web form titled "New Registratio" (partially cut off). The form has the following fields and elements:

- Choose User Id:** A text input field containing "T\$1Dw_5&". To its right is the label "Enter User ID".
- Password:** A text input field containing "*****". To its right is the label "Enter Password".
- Confirm Password:** A text input field containing "hello123".
- Name:** A text input field containing "Tester1.1 and Tester 1.2".
- Email:** An empty text input field. To its right is the text "(Requires verification. Will not be published.)".
- Country:** A dropdown menu with "India" selected.
- Captcha:** A small image showing the number "4" with green checkmarks. Below it is the text "Please enter the verification number exactly as shown in left." and a text input field containing "r".
- Register Button:** A button labeled "Register" located at the bottom right of the form.

Here is how you can judge yourself:

If you find:

0 – 4 defects => Poor

5 – 6 defects => Average

7 – 8 defects => Good

9 – 10 defects => Excellent

10+ defects => Best tester!

(Mind well, you are the judge and you need to count on valid defects)

Here is one example defect as a hint:

– Confirm password field does not show content in encrypted mode.

List all other in comments below.

Answers:

Defects:

1. *The user Id field accepts special characters.*
2. *Confirm password field does not show content in encrypted mode.*
3. *The name field does not seem to have any validation for number of characters.*
4. *Captcha is not at all readable.*
5. *There is no way user can reload the captcha.*
6. *Register button should be at bottom rather than on side.*
7. *Register button's label has "r" instead of "R".*
8. *There is no cancel button available if user wants to cancel the procedure.*
9. *There is no close button available if user wants to close the page.*
10. *The page title show wrong spelling of Registration.*
11. *Password selection guideline should be provided like the password should be alpha numeric or password strength factor should be present.*
12. *Page title should be New User Registration rather than New Registration.*
13. *Field length and labels should be same for the whole page / form.*
14. *The country field should by default show "Select" rather than selecting a value default.*

Exercise #2: Writing test scenarios

We do not only test, we develop test scenarios too. There is a real life scenario and you need to write test ideas for the same.

Again, we do not want step-by-step procedure; we want ideas with brief description.

Write test ideas for this Scenario: You are at Grocery store's checkout counter. You have bought five items (x, y, z, a, and b). You make payment and move to EXIT door.

Example Test ideas as a hint:

1. *If the checkout counter is human less, scan all the five items, scan your card and make payment.*
2. *The scanners should scan proper relevant information.*

List all possible test scenarios in comments below.

Answers:

Test ideas/scenarios:

1. *If the checkout counter is human less, scan all the five items, scan your card and make payment.*
2. *The scanners should scan proper relevant information.*
3. *If the checkout counter is human processed, a person to help should be available.*
4. *All the items bought should have barcode so that they are scan able.*
5. *All the items should have MRP printed and scan able so that the software can read it*
6. *The relevant software and printers should be in working condition*
7. *Once all items scanned, a bill should be generated and given to the customer.*
8. *For payment multiple options should be allowed, cash, card (credit card, debit card), coupons (meal passes) etc.*
9. *If payment is done by card, the transactions should be secured.*
10. *If payment is done by cash, counter person must have enough cash to balance the bill.*
11. *If any of the item bought is not scannable, the counter person should be able to help customer.*
12. *Customer should be able to see the EXIT sign easily*
13. *At EXIT, there should be some check that customer carries only the bought and billed items.*