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# Documentation test

# Test documentation

In line with the program development processes and methodologies, test artifacts (documents, models, etc.) are created and used during testing.

•Test Strategy •Test Plan

•Check List

•Bug Report

•Test Case •Test Suite

•Test Report

# Test Plan

The Test Plan is the main document that describes the scope of

work, starting with the description of the facility, strategy, layout, criteria

start and end of tests, to mandatory in the process

operation of the equipment, special knowledge and risk assessment z

solution variants. It can be low-level and

high level.

Role responsible for creating the document:

QA Lead or Senior Tester.

# Test plan

**What needs to be tested?** – Description of the test object: systems, add-ons, equipment, list function and description of the test system and its components separately.

**How will you test?** – approach to testing, i.e. types of tests, order of their application in relation to the test object.

**When will you test?** – the order in which the work is carried out: Test Preparation, Testing, Test Result Analysis across the planned phases of product development.

**Criteria for the start of testing (DoR)** - readiness of the test platform (test stand), completion of the development of the necessary functionality, presence of all necessary documentation.

**Test Completion Criteria (DoD) -** test results that meet product quality criteria.

# Test case

Test Case is a document that describes all the steps, specific conditions and parameters necessary to check the implementation of a function or its part.

## What is a test case needed for?

1. Describes exactly HOW we will test the feature.

2. For a specialist who is not familiar with the requirements.

3. For reports.

# Test case attributes

• Number (ÿ) - unique identifier of the test case; •

Name - a short description of the essence of

checking; • Preconditions - description of actions to be taken

perform;

• Steps - description of actions necessary to

perform the check; • Expected

result - what should we get after completing the steps; • Priority - check

priority; • Status -

check result; • Designer - author of TC; • Date

of creation (Created) - creation of the TC.

# Case test: an example

**C1** Autoryzacja przy pomocy poczty elektronicznej

Main

| Type | Priority | Estimate | References |
|---|---|---|---|
| Functional | Medium | None | None |

**Automation Type**
None

**Preconditions**

URL https://rozetka.com.ua/ otwarty w przeglądarce

**Steps**

1. Nacisnąć na burger menu w lewym górnym rogu ekranu
2. Nacisnąć „Wejście"
3. W pop-upie autoryzacji wprowadzić poprawne dane: adres poczty elektronicznej i hasło
4. Nacisnąć przycisk „Wejść"

**Expected Result**

1. Pop-up autoryzacji jest zamknięty
2. Strona główna jest otwarta
3. Po kliknięciu na burger menu w lewym górnym rogu zobaczymy dane użytkowników

In section Main.

Details

Tests & Results

Defects

History

**People & Dates**

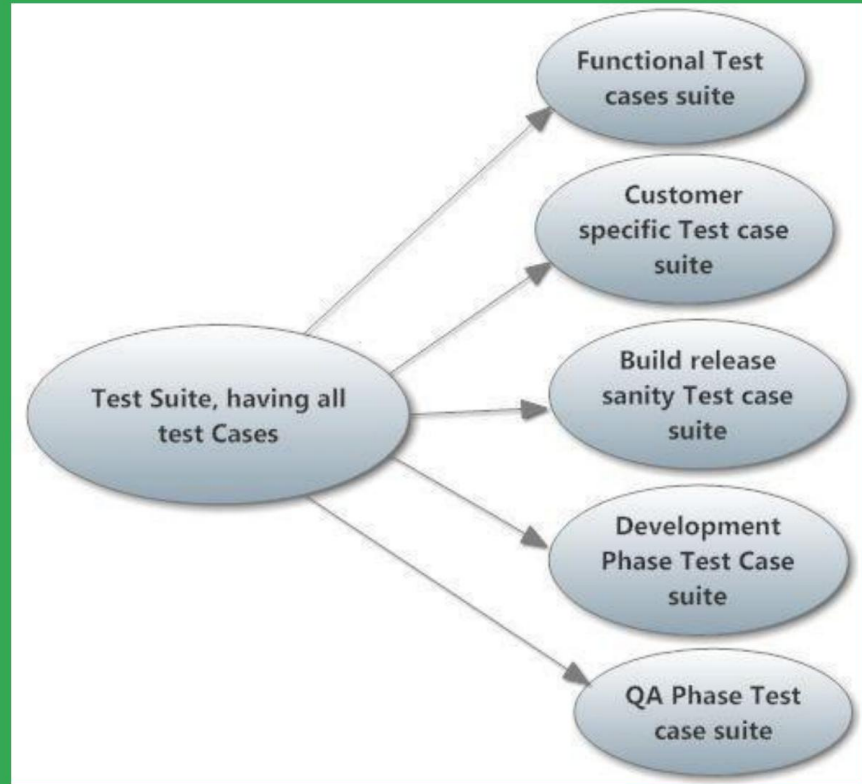| Created | Oleg Lomazhuk |
|---|---|
| | 5/19/2022 5:57 AM |
| Updated | Oleg Lomazhuk |
| | 5/23/2022 6:39 AM |

# Test Suite

A test suite is a set of test cases that are connected by the fact that they refer to one tested module, functionality, priority or one type of testing.

# Test Suite: example

# Check List

The Check List is a document that describes what is to be tested.

### A checklist is needed to:

• Reminder of needed tests

• Check prioritization

• Storage of reports and test results

### The checklist should include:

• Checklist (with necessary detailing system) • Priority •

Program version • Environment (browser, OC, device and others)

• Tester • Checking status (after checking)

# Checklist: example

| Verification | Result | | |
| --- | --- | --- | --- |
| | win 7 | Win 8 | Windows 10 |
| **File operations** | | | |
| File creation | OK | OK | OK |
| Saving the file | OK | OK | OK |
| Opening a file | OK | OK | OK |
| Printing | OK | OK | OK |
| **Editing a file** | | | |
| Copying | OK | OK | OK |
| Cutting | fail | fail | fail |
| Pasting | OK | OK | OK |
| Removal | OK | OK | OK |
| Search | OK | OK | OK |

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# bug report

**Bug report (report about**

**finding an error)** –

detailed step-by-step instructions

step to reproduce the error

| ID | QBR-1 | | | |
|---|---|---|---|---|
| **Reporter** | Oleg Lomazhuk **Assignee** <Developer> **Status** | | | New |
| **Type** | functional **Severity** Major | | **priority** | high |
| **Browser** | Google Chrome 101.0 | **AXIS** | Windows **OS Version** | 10 |
| **Summary** | Error in the authorization of the registered user | | | |
| **Description** | | | | |
| **Preconditions** A new user has registered on site X | | | | |
| **Steps to reproduce** | 1. Open the authorization form by clicking "Login" <br> 2. Enter a valid email address and password for the new registered user (Preconditions) <br> 3. Click the "Login" button | | | |
| **Current result** | New registered user getting error 404 during authorization **Expected** | | | |
| **result** New registered user can login successfully | | | | |
| **attachments** | <link to screenshots> | | | |
| **Additional info** | | | | |

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# Basic report bug attributes

• ID - number of the report in the
system • Summary - a short description of the problem that indicates the
cause of the error • Preconditions - conditions that must be met to reproduce the error

• Project - name of the tested project •

Component - name of the part or function of the product that is being tested •
Version - the version of the product in which the bug was found
• Severity - an indicator that shows the impact of the defect on the ability to work

    program

• Priority - an indicator that determines the order of work (more tools for

    manager)

• Status - the general status of
the bug • Author (reporter) - the creator of
the bug report • Assigned to - the collaborator who is currently working
on the bug • Environment - the environment where the bug was found, OC,
   browser name and version and

others • Steps to reproduce - steps to reproduce
• Actual result - actual result obtained after the reproduction
   steps

• Expected result - the expected result •
Attachments - attachments that help reproduce the bug and explain
   the situation

# Recommendations for writing a bug report

**• The summary is to be written according to the What? Where? When?** • Also the steps to be reproduced should have specific actions:

pass, press, open, etc., and the actual and expected result

should contain specifics (NOT "Add-on is not working properly",

"The form of the print is incorrect", and so on)

# Test Report

Test Summary Report – a document that gives a summary of tasks and test results.

| Overall statistics of passed test cases | | |
|---|---|---|
| | | 165 |
| Result | Quantity | Percentage |
| Passed | 157 | 95 |
| failed | 3 | 2 |
| skipped | 2 | 1 |
| Blocked | 3 | 2 |

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# Test Report: example

| Overall progress of the QA cycle (Ontime, delayed, Stopped | On time |
|---|---|
| Total number of tests | 207 |
| Number of testers | 1 |
| Test cycle duration | 1 day |

| Overall status | | |
|---|---|---|
| | Number of tests planned | 207 |
| | Number of tests executed | 207 |
| | Number of tests passed | 117 |
| | Number of tests failed | 90 |
| | Critical defects percentage | 0% |

| Conclusion | Consadering the hight percentage of functional defects, the product can not be recommended for use |
|---|---|



- 🔵 Number of tests passed
- 🔴 Number of tests failed