

**[www.softwaretestinggenius.com](http://www.softwaretestinggenius.com)**

**A Storehouse of Vast Knowledge on  
Software Testing and Quality Assurance**

**Design Review**

**&**

**Software Testing**





















# Software *Testing* Genius

```

System.out.println(s4);
System.out.println("file found");
document.forms[0].reset();

file file2 = new File(file, marList[rowCount]);
if(file2.isDirectory())
{
    for(int i=0; i<marList[rowCount].length; i++)
    {
        System.out.println("OOPS!! "+ file1.getName() + " is a directory");
        String s5 = "null";
        if(marList[rowCount][i].length() > 0)
        {
            if(marList[rowCount][i].equals(s5))
            {
                continue;
            }
            randomaccessFile.writeBytes(marList[rowCount][i]);
            boolean flag2 = false;
            while((s8 = marbufferedReader.readLine()) != null)
            {
                if(s8.equals(s5))
                {
                    continue;
                }
                for (int j=0; j<s8.length(); j++)
                {
                    if(s8.indexOf("/") != -1)
                    {
                        continue;
                    }
                }
            }
        }
    }
}

```

A dedicated code review by the testing team should be an integral part of the software development life cycle. It has been observed that code review brings a 15 to 40% improvement in the quality of code. Reviews help remove extraneous code, ineffective logic, and inconsistencies against corporate standards.









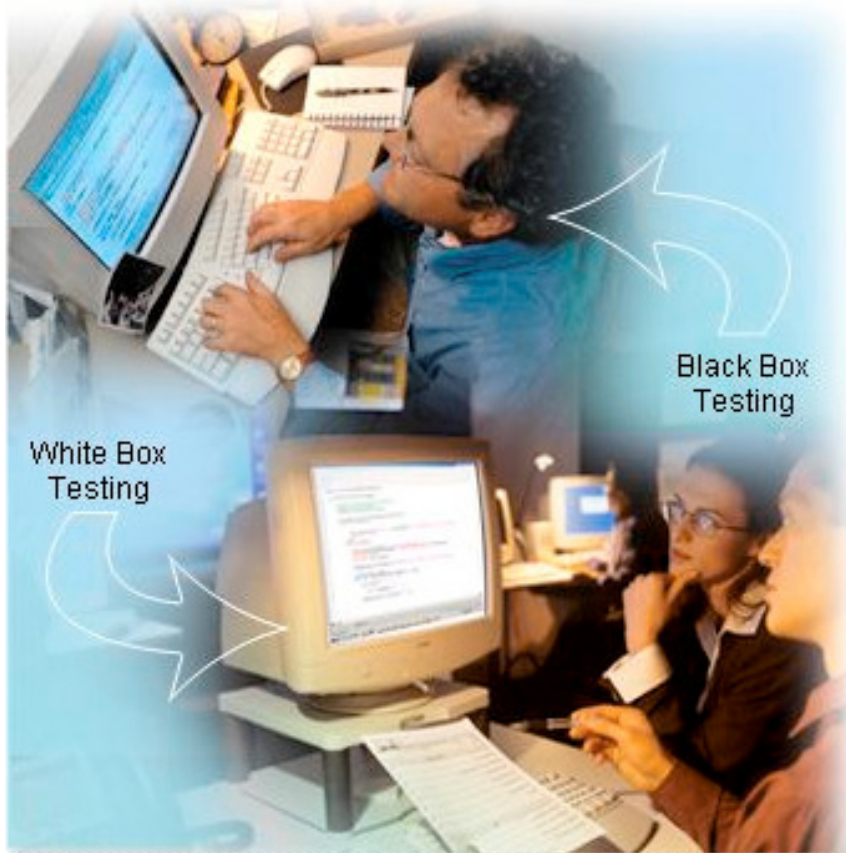






# Software *Testing* Genius

## Black Box and White Box Testing



After the code has been developed, its functionality and source code are tested. Functionality testing is known as Black Box testing and source code testing is known as White Box testing. Software testing is said to be complete only after these two tests have been conducted.

In both types of testing, the tester must be someone from outside the project team. In Black Box testing, however, the tester should neither have access to the design documents or source code, nor have any prior knowledge of the working of the system. The advantage of Black Box testing is that it is conducted from the user's point of view. Thus, possible end user complaints are identified.

In White Box testing, the tester can access the design documents and source code of the software. In addition, knowledge programming language used is needed. Essentially, White Box testing helps in a review of the source code. The inputs and suggestions of experienced programmers help improve the quality of the system.









# Software *Testing* Genius

>>>>>>>>>>>>>>>>> www.softwaretestinggenius.com <<<<<<<<<<<<<<<<<



## Testing Process

A unit is the smallest testable part of software applications. Under unit testing, each unit of the software source code is tested to verify that it works independently and generates the expected output. The objective of this test is to verify whether all units of the software function collectively to meet the objective of the software.



## Regression Test

It is possible that programs that functioned properly during previous tests malfunction after the software has been released. It has also been observed that bugs resurface after they have been fixed due to poor revision control. The objective of a regression test is to find such bugs and fix them.



# Software *Testing* Genius

## Recording Bugs

## OpenOffice Issue Tracker

Version

## Projects

## Issue List






## My Issues

Add an issue

[Set My Issues](#)

## Issues

Project Batch 2C for B2C : RT : ma7\_04\_05 with Active Sta

My Issue ▲▼	Type/Sequence ▲▼	No ▲▼	Short
<input type="checkbox"/>	Critical / 1	9	 <a href="#">51244</a>
<input type="checkbox"/>	Critical / 1	2	 <a href="#">51243</a>
<input type="checkbox"/>	Critical / 1	5	 <a href="#">51242</a>
<input type="checkbox"/>	Critical / 1	3	 <a href="#">51241</a>
<input type="checkbox"/>	Critical / 1	9	 <a href="#">51240</a>

Testing leads to the discovery of numerous bugs and each observation must be systematically recorded to avoid rework. To ensure that the development team knows exactly what to fix, the tester must record the details of the bugs, including:

- A detailed description of the location of the erroneous code or the steps that led to the bug, such as the name of the dialog box, the data entered, and the keys pressed
- A description of the erroneous outcome as compared to the expected outcome
- A reference to the error log generated by the software
- A screenshot of the error displayed by the software



















# Software *Testing* Genius

### Check Point

## Feedback

**Not quite. The correct matches are displayed on the screen.**

Design Review Component	Description
ERD and Table Design	Review of the rules for normalization, primary keys, and foreign keys
Program Specifications	Review to check the flow of the programs to meet user requirements
Code Review	Review to check that the code is meaningful and as minimum as possible
Input and Output Layouts	Review to check that forms map with the paper forms, forms have notes for the users, and forms are dated properly





# Design Review & Software Testing

*Software Testing Genius*

**Thank You**