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### **Practical No: - 7**

**Aim:** - Write test cases for Black box testing.

**Title:** - Active Chat Monitoring and suspicious chat detection over internet

**Lab Outcome:** - CSL501.3 Use computer-aided software engineering (CASE) tools.

### **THEORY:**

#### Types of Black Box Testing

There are many different types of Black Box Testing, some of them are given below:

Functional testing – This is a type of black box testing which is related to the functional requirements of a system; Functional testing is concerned only with the functional requirements of a system and covers how well the system executes its functions.

Non-functional testing – This black box testing type is not related to testing of specific functionality, Non-functional testing is concerned with the non-functional requirements and is designed specifically to evaluate the readiness of a system according to the various criteria which are not covered by functional testing.

Regression testing – Regression Testing is performed after code fixes, upgrades or any other system maintenance to check the new changes has not affected any existing functionality.

**TEST CASES FOR Active Chat Monitoring and Suspicious chat detection over internet: -**

**TEST CASE 1: - LOGIN FORM**

SR NO	TEST CASES	EXPECTED RESULT	TEST RESULT
1	Enter valid username  and password and click on login button	Software should display main window	Successful
2	Enter invalid	Software should not	Successful

	credentials	display main window	
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## **TEST CASE 2: Chatting Interface**

<b>SR NO</b>	<b>TEST CASES</b>	<b>EXPECTED RESULT</b>	<b>TEST RESULT</b>
1	On the click of “Send” button	The message must be sent to the opposition user.	Successful
2	On the click of “Report” button	The opposite user is flagged for further investigation.	Successful
3	On the click of “Start Chat” button	A chat with an user is initiated.	Successful
4	On the click of	Ends the chat	Successful

	“End Chat” Button		
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**Cocclusion:** - Here, we successfully understand and create the test cases for black box testing.