Aim: Write tests cases to validate requirements of problem statement from SRS document.

Software testing is known as a process for validating and verifying the working of a software/application. It makes sure that the software is working without any errors, bugs, or any other issues and gives the expected output to the user. The software testing process isn't limited to finding faults in the present software but also finding measures to upgrade the software in various factors such as efficiency, usability, and accuracy. So, to test software the software testing provides a particular format called a **Test Case**.

What is a Test Case?

A test case is a defined format for software testing required to check if a particular application/software is working or not. A test case consists of a certain set of conditions that need to be checked to test an application or software i.e. in more simple terms when conditions are checked it checks if the resultant output meets with the expected output or not. A test case consists of various parameters such as ID, condition, steps, input, expected result, result, status, and remarks.

Parameters of a Test Case:

- **Module Name:** Subject or title that defines the functionality of the test.

- **Test Case Id:** A unique identifier assigned to every single condition in a test case.

- **Tester Name:** The name of the person who would be carrying out the test.

- **Test scenario: The test** scenario provides a brief description to the tester, as in providing a small overview to know about what needs to be performed and the small features, and components of the test.

- **Test Case Description:** The condition required to be checked for a given software. for eg. Check if only numbers validation is working or not for an age input box.

- **Test Steps:** Steps to be performed for the checking of the condition.

- **Prerequisite:** The conditions required to be fulfilled before the start of the test process.

- **Test Priority:** As the name suggests gives priority to the test cases that had to be performed first, or are more important and that could be performed later.

- **Test Data:** The inputs to be taken while checking for the conditions.

- **Test Expected Result:** The output which should be expected at the end of the test.

- **Test parameters:** Parameters assigned to a particular test case.

- **Actual Result:** The output that is displayed at the end.

- **Environment Information:** The environment in which the test is being performed, such as the operating system, security information, the software name, software version, etc.

- **Status:** The status of tests such as pass, fail, NA, etc.
- **Comments:** Remarks on the test regarding the test for the betterment of the software.

Note: Write minimum 20 testcase related to your problem statement