

Test Specification Assignment

Produce test specifications for the following component interfaces using Template 1:

1. `int Component.add(int a, int b)`: where the method produces the sum of a and b
2. `int Component.fibonacci (int n)`: where the method produces the *nth* number in the Fibonacci sequence
3. `real Component.sqrt (int n)`: where the method produces the square root of n
4. `real Component.kelvin (real n, char t)`: where the method produces the temperature in degrees Kelvin that corresponds to the input temperature value n and the temperature scale t. t is either C or F for Celsius and Fahrenheit respectively. Remember, 0 K is as low as you can go.

Template 1: Template for component interfaces

Name		
Summary		
Input Type	Input Value	Expected Result

5. This problem focuses on a use case description. Please use Template 2 to fill in the test case specifications. The narrative is:

The user sits down at a new computer (hence, no cookies) and fires up a browser. She then goes to <http://facebook.com> where she logs in with her user name and password. Consider **two cases**:

- i. One where the login is successful
- ii. One where the login fails. You need not consider past the point where the user is told the username and password combination is bad.

Project Name: <project>

Test Case Template

Test Case ID: <ID>

Test Designed by: <Name>

Test Priority (Low/Medium/High): <priority>

Test Designed date: <Date>

Module Name: <module>

Test Executed by: <Name>

Test Title: <title>

Test Execution date: <Date>

Description: <description>

Pre-conditions: <preconditions>

Dependencies: <postconditions>

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1						
2						

Post-conditions: