

BLACK-BOX TECHNIQUES

Equivalence partitioning and Boundary value analysis

Design the test cases for a function that returns a grade according to the Australian grading scale (see exercise 3 from the class notes), then do the following:

1. Implement the function in the language of your preference.
2. Implement and execute the test cases in a different file.
3. In the same test cases file, generate the results on runtime and save them as a separate **report** file.

EXAMPLE

my_library.h	test_cases.cpp	report.txt									
// Definition of your function	<pre>#include <iostream> #include "my_library.h" int main(){ // Execute test cases // Generate report on a different file }</pre>	<table><tr><th>Test data</th><th>Expected result</th><th>...</th></tr><tr><td></td><td></td><td>...</td></tr><tr><td colspan="3">-----</td></tr></table>	Test data	Expected result	-----		
Test data	Expected result	...									
		...									

Deliverables:

- 1) Source code of the function, 2) Source code of the tests , 3) Report