Universidad Nacional de Colombia - sede Bogotá
Facultad de Ingeniería
Departamento de Sistemas e Industrial
Curso: Ingeniería de Software 1 (2016701)

CHECK TEST CASE OUTPUT	
ACTORS ● User ● Test Case Validation Module	**REQUIREMENT** FR_18 – The system should support entering example test cases and checking output correctness, by comparing the correct output with the one generated by the running program.

DESCRIPTION
This use case supports competitive programming by letting users input sample test cases and expected output, run the program, and compare actual vs. expected results.

PRE-CONDITIONS
● The file must be compiled and executable.
● At least one test case and expected output must be defined.

NORMAL FLOW
1. The user inputs test cases and expected output.
2. The user runs the program using the test input.
3. The system captures and compares actual output.
4. The system displays whether each test case passed or failed.
5. If failed, both expected and actual outputs are pointed out.

ALTERNATIVE FLOW
1. If expected output is not provided:
   1.1. The system runs the test but skips validation and only shows output.

POST-CONDITIONS
● The user is informed of which test cases passed or failed.

NOTES
● Output comparison may ignore whitespace depending on user settings.
● This feature only works with non-checkable problems.