UNIVERSIDAD NACIONAL DE COLOMBIA

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Curso: Ingeniería de Software 1 (2016701)

DISPLAY PROGRAM OUTPUT	
ACTORS ● User ● Output Display Module	**REQUIREMENT** FR_14 – The system must display program standard output in a dedicated output panel.
DESCRIPTION This use case describes how the system shows the standard output generated by the compiled and executed C++ program. The output is displayed in a dedicated panel that allows users to view the results of their code execution in real-time or immediately after execution.	
PRE-CONDITIONS ● A C++ file must have been successfully compiled and executed.	
NORMAL FLOW 1. The user executes a compiled program from the editor. 2. The system launches the executable in the background. 3. The system captures the standard output (stdout) of the program. 4. The system displays the captured output in a dedicated output panel. 5. The user can scroll through and inspect the output.	
ALTERNATIVE FLOW 1. If the program generates a runtime error or crashes: 1.1. The system still captures any output before the crash. 1.2. The system displays the partial output along with an error message in the output panel.	
POST-CONDITIONS ● The output of the executed program is visible to the user. ● Any error messages are also shown in the same panel, clearly distinguished.	
NOTES ● The output panel must support copy functionality. ● The panel may automatically clear previous output upon new executions to avoid confusion.	