



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

C++		SYNTAX	HIGHLIGHTING
ACTORS Code editor		REQUIREMENTS FR_11: The system must provide C++ syntax highlighting.	
DESCRIPTION The system applies syntax highlighting to C++ source files. The highlighting improves code readability by visually distinguishing elements such as keywords, variables, strings, comments, and operators.			
PRECONDITIONS <ul style="list-style-type: none">A file with the .cpp extension must be opened in the editor.			
NORMAL FLOW <ol style="list-style-type: none">The user opens a C++ source file in the editor.The system detects the file type based on its extension.The system parses the file contents in real time.The syntax highlighter identifies keywords, comments, and other syntax elements.The system applies color and style formatting to the text based on token types.The user sees the colorized and formatted code displayed in the editor.			
POSTCONDITIONS <ul style="list-style-type: none">The syntax-highlighted view of the code is rendered in the editor.The highlighting updates dynamically as the user edits the file.			
NOTES <ul style="list-style-type: none">Highlighting performance should remain efficient for large files.Syntax themes should be customizable (light/dark modes).			

