



UNIVERSIDAD  
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Curso: Ingeniería de Software 1 (2016701)

## EDIT C++ SOURCE CODE

### ACTORS

- Final User
- C++ Editor Module

### REQUIREMENT

FR\_10: The system must allow editing C++ source code within the editor.

### DESCRIPTION

The system allows the users to write and modify C++ code directly within the editor environment. The system provides standard editing capabilities such as typing, deleting, cut/copy/paste, and undo/redo operations.

### PRE-CONDITIONS

- A non-read file must be opened.

### NORMAL FLOW

1. The user opens a writable source file in the editor.
2. The user begins typing or modifying the code.
3. The editor applies syntax rules and formatting as the user types.
4. Changes are tracked in memory, and the file is marked as modified.

### POST-CONDITIONS

- A change history is maintained for undo/redo operations.

### NOTES

- Large files should be handled efficiently with minimal lag.
- Auto-indentation and brace matching should be implemented.