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| Software Compis Company |  |

Compiler System (v3.0.0)

Week 3 Binary Operators (Final demo, June 7th)

***Requirements (v1.0)***

# The specific requirements

## Functional requirements

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| --- | --- | --- |
| **ID** | **Name** | **Description** |
| FR\_0 | Executable Program | The compiler generates an executable program from a source code |
| FR\_1 | UNIX instructions | Compiler instructions will comply with unix standards |
| FR\_2 | Instruction flag | This version only carries an entry flag. |
| FR\_3 | Executable name | -o will be the flag that will edit the name of the executable |
| FR\_4 | Assembler flag | -s or -- assembler will be the flag that will return only the assembly code. NO EXECUTABLE |
| FR\_5 | Tokens flag | -t or --tokens will be the flag that will return only the list of tokens. NO EXECUTABLE |
| FR\_6 | AST flag | -a or –ast will be the flag that will return the AST. NO EXECUTABLE |
| FR\_7 | Help flag | -h or -help will be the flag that will return the instructions to use and run the compiler. NO EXECUTABLE |

## Non-functional requirements

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| --- | --- | --- |
| **ID** | **Name** | **Description** |
| NFR\_0 | Execution | Execution of the compiler by command line |
| NFR\_1 | UNIX S.O. | The compiler will only be executed in Unix OS |

# Annexes

## Directory

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