

Implementation documentation for
the first task of IPP project 2024

PARSER IPPCODE24

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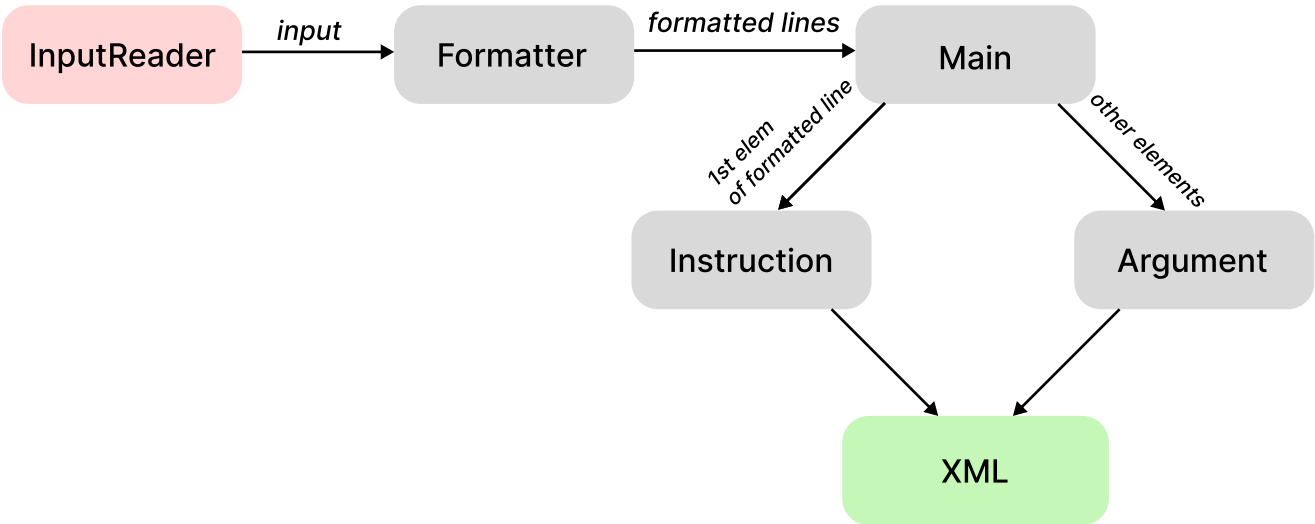
4.03.2024

The main aim

The IPPcode24 parser is designed to process instructions written in the IPPcode24 language and generate an XML representation of these instructions.

Classes

- 1. “Formatter” - Formats input line(removing comments and empty lines).
- 2. “InputReader” - Reads input lines from standard input, formats them using the Formatter, and provides them to the parser.
- 3. “Instruction” - Represents an IPPcode24 instruction. Parses the instruction, validates it against predefined patterns and generates the corresponding XML element.
- 4. “Argument” - Represents an argument of an IPPcode24 instruction. Parses the argument, determines its type and generates the corresponding XML element.



The parser performs error checking to ensure the validity of input instructions and handles any unexpected conditions by displaying a specific error codes.