

STL2G

CNC MILL PROJECT

Fadi Hanna Al-Kass

Deliverables

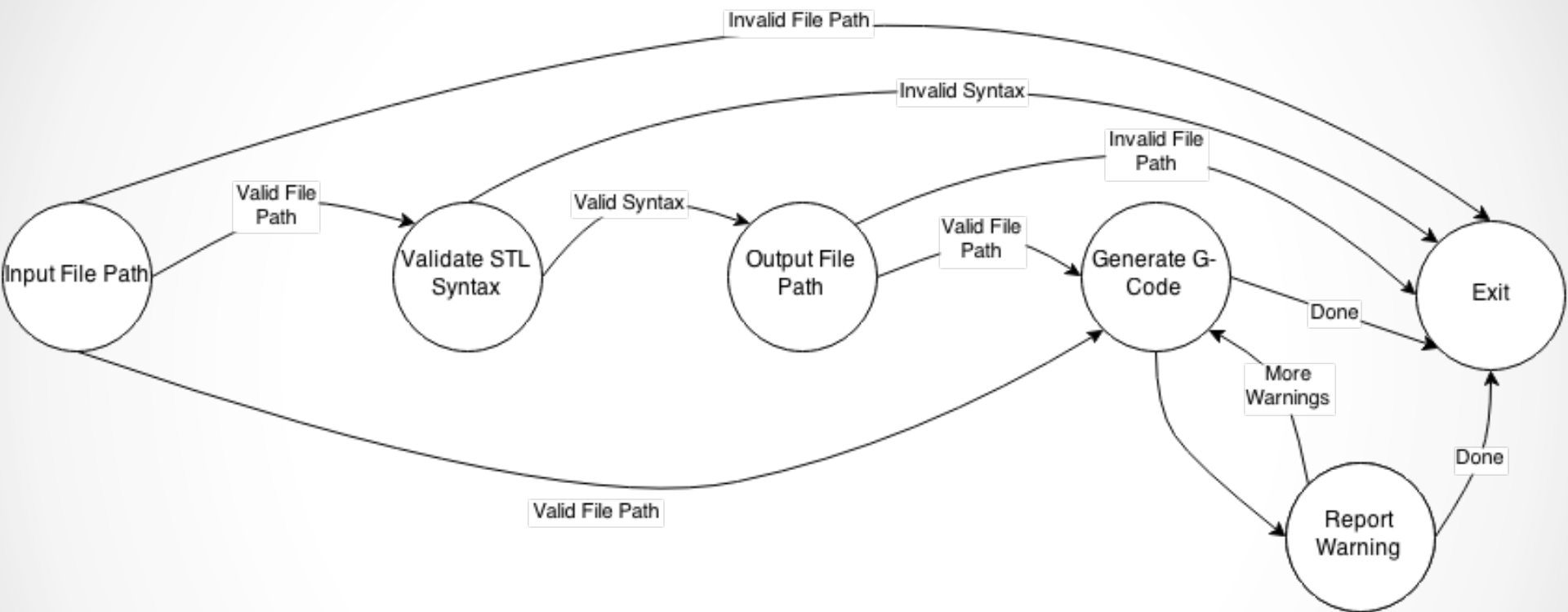
- *STL Syntax Validator.
- *STL to G-Code Converter.

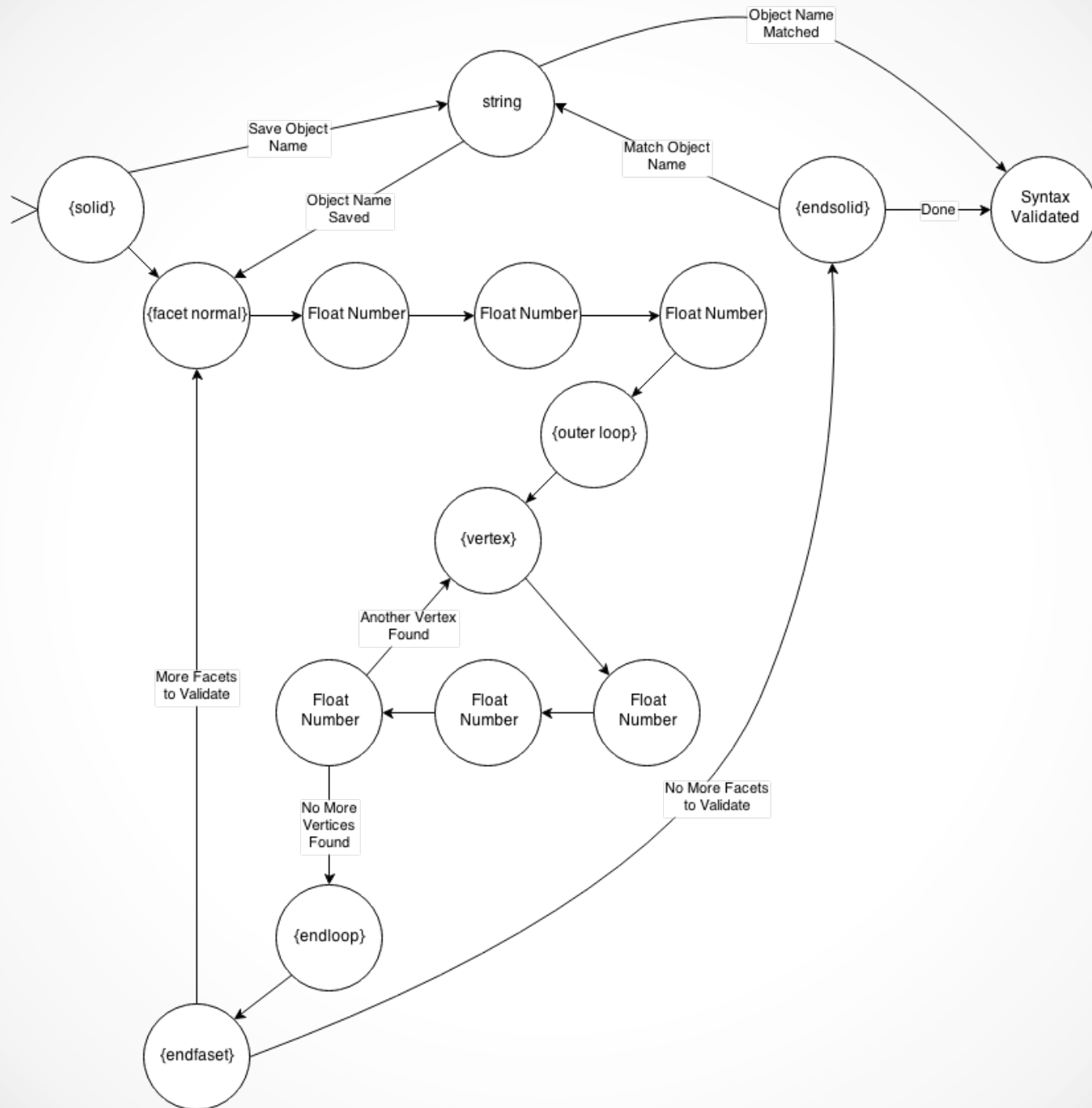
Languages Used

- C Programming Language:
 - used to implement the STL syntax validation tool.
- Perl
 - Used to implement Slic3r.
- Python
 - Used to execute the syntax validator and Slic3r in order.
 - All I/O is handled at this level.

Tools Used

- Lexical Analyzer:
 - Tool used is lex (<http://dinosaur.compilertools.net/lex>).
 - Was used to tokenize the numerical values and keywords used in STL files.
- Parser Generator:
 - Tool used is yacc (<http://dinosaur.compilertools.net/yacc/>).
 - Was used to create the grammar rules which the syntax of the STL file was checked against.





Version Control

All work done as well as work in progress
can be accessed at

<http://github.com/alkass/CNC-MILL>