

LegendOfBluespec

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October 2021

1 11 / 1 / 2021

I found a bug in bluespec reference guide Official pdf On page 30 method proto has `[(methodProtoFormals)]` and it should have `[(methodProtoFormals)]` otherwise you can't declare method without any round brackets like it's done in IntStack example below as theirs nontaion assume [] as zero or more.

1.1 Lark grammar

I implemented grammar for parsing interfaces declatations written in bluespec (without support for subinteraces) and parsing for Interfaces results of command Bluetcl type full *Nameofinterface*

2 11/ 2 / 2021

I added grammar for parsing functions creating modules this way one can read what modules can be created how they need to be initiazlied and what interfaces they have.

3 11 / 3 / 2021

I added more text to main.tex about toolchains and a more detailed plan for structure of the library. I also added a openALL.bat file, that is for me to make opening useful pdfs easier.

4 11/ 3-10 /2021

I worked on grammar and now grammar is capable of parsing almost all features of bluespec that are exposed trough defs type and defs funcs

5 11/ 11 / 2021

I'm capable of paring Interfaces (without subinterfaces), types and few other things like enums, there are some things left that I'm currently not parsing but I decided to move them for later as they are not currently needed and I'm not sure if I'll need them, I will prioritize for now support for JSON and generating bluespec.

6 11/ 17 / 2021

I added simple bluespec generation and worked on integrating it with the toolchain. First bsv file was produced.

7 11 / 27 / 2021

Work has been done on checking typeclass membership, there are some bugs to iron out but for simple typeclasses like toPut and toGet it should work.

8 12 / 20 / 2021

I added demos for both AXI and normal busses those demos create compliabe code

9 12 / 29 / 2021

Adding connections is now possible in more general manner not only when things are members of get put.