Jflex Scanner SDD

The design of my Jflex scanner is as follows: the jflex file Scanner.jflex contains several regex patterns that the generated scanner will parse for. It also contains the instructions for what the scanner will do upon finding each pattern. There is a Token class, which has the attributes lexeme and tokentype. The lexeme is the literal string that is parsed, while the tokentype is another object, created by the TokenType class. TokenType is simply an enum of all necessary types of tokens for this assignment. Finally, there is a LookupTable class. The LookupTable is a hashmap that is used for all the symbol and keyword tokens. When the scanner picks up a symbol or keyword token, it sends it as a key to the LookupTable to get back the value associated with it, and assigns that value as its TokenType.