

Graded Rubric

Rubric	Poor	OK	Good	Great
Code Style	Few comments, bad names (0)	Some good naming, some necessary comments (3)	Mostly good naming, most necessary comments (6)	Good naming, non-trivial methods well commented, static only, when necessary, private members (10)
Unit Tests	Don't exist (0)	At least one (3)	Missing tests (6)	All functionality tested (10)
Main	Doesn't exist.	At least one of: Exists, reads file with GetAllBytes, calls lex, prints tokens (3)	Three of: Exists, reads file with GetAllBytes, calls lex, prints tokens (6)	Exists, reads file with GetAllBytes, calls lex, prints tokens (10)
Token class	Doesn't exist (0)		Has enum and string members (3)	Has enum, string members, line number and start position (5)
Token constructors	Don't exist (0)		One is correct (3)	Both exist and are correct (5)
Token ToString	Doesn't exist (0)			Exists and outputs type and value members clearly (5)
Token members	Don't exist (0)	Wrong types (1)	All correct, but not private(3)	All four are correct and private (5)
String Handler	Doesn't exist (0)	Exists and holds string and index (3)	Exists, members correct, constructor correct (6)	All methods, members, constructor correct (10)
Lex class	Doesn't exist (0)		Exists and holds StringHandler (3)	Exists, holds StringHandler, line number and position (5)
Lexer – constructor	Doesn't exist (0)		Instantiates StringHandler (3)	Instantiates StringHandler and sets line number and position (5)
Lexer – lex	Doesn't exist (0)	Exists and loops over the string (3)	Exists, loops over the string, returns a LinkedList of tokens (6)	Skips appropriate values, calls ProcessWord and ProcessNumber and adds their return values to the list (10)
Lexer – ProcessWord	Doesn't exist (0)	One of: Accepts required characters, creates a token, doesn't accept characters it shouldn't (3)	Two of: Accepts required characters, creates a token, doesn't accept characters it shouldn't (6)	Accepts required characters, creates a token, doesn't accept characters it shouldn't (10)
Lexer – ProcessNumber	Doesn't exist (0)	One of: Accepts required characters, creates a token, doesn't accept characters it shouldn't (3)	Two of: Accepts required characters, creates a token, doesn't accept characters it shouldn't (6)	Accepts required characters, creates a token, doesn't accept characters it shouldn't (10)