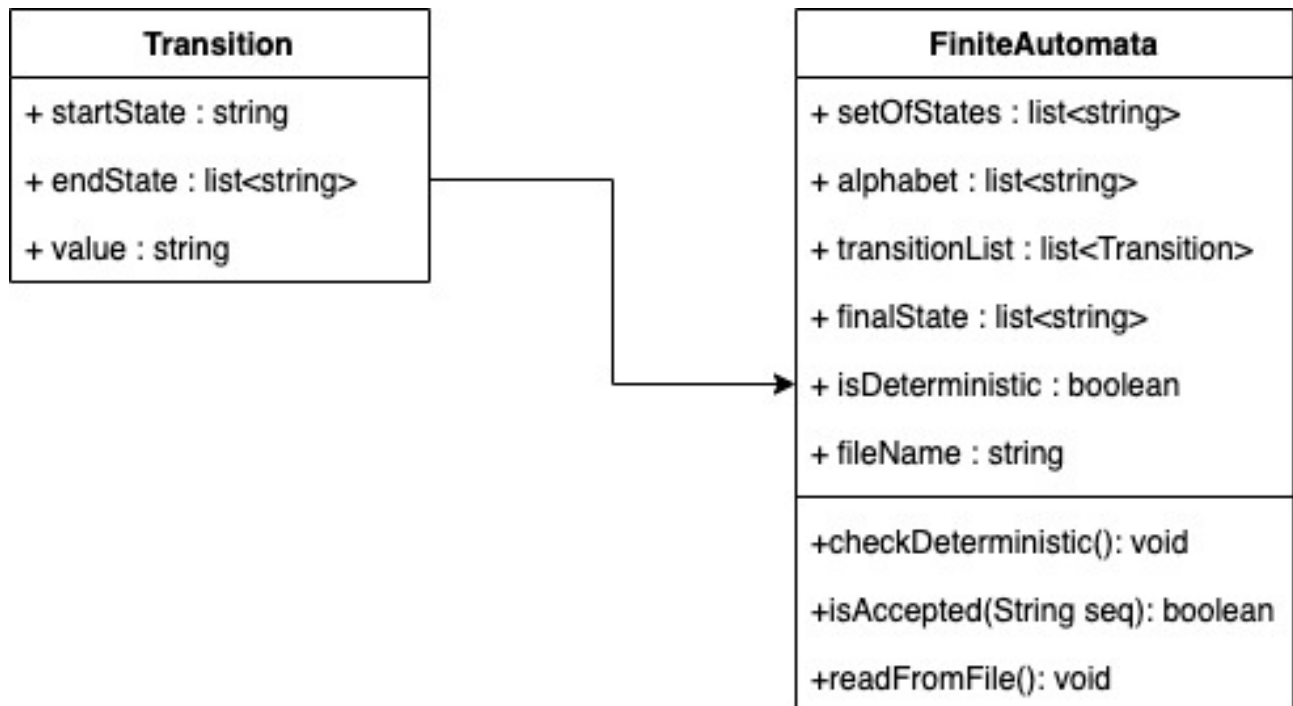


Documentation

Source code: <https://github.com/diana-dr/Formal-Languages-and-Compiler-Design/tree/master/Lab4>



FiniteAutomata

+ isAccepted(string sequence) - verifies if a given sequence is accepted or not by the FA

- input: string sequence
- output: true/false

+ isDeterministic() - verifies if the FA read from the file is deterministic or not

- if the FA is deterministic => isDeterministic = true, isDeterministic = false otherwise

+ readFromFile() - reads the data of the FA from the input file fa.txt

Transition

- startState : string
- value : string
- endState : List<String>

EBNF notation

input = stateSet "\n" alphabet "\n" transitions "\n" finalState

stateSet = state | state stateSet

state = (letter | digit | "_") | (letter | digit | "_") state

alphabet = character | character, alphabet

character = any UTF-8 character

transitions = transition | transition "\n" transitions

transition = state, character, state

finalState = state