```
┌─────────────────────────────────┐
│              FA                  │
├─────────────────────────────────┤
│          -states: list           │
│         -alphabet: list          │
│      -initialState: integer      │
│        -finalStates: list        │
│        -transitions: list        │
├─────────────────────────────────┤
│          getStates()             │
│         getAlphabet()            │
│        getInitialState()         │
│        getFinalStates()          │
│        getTransitions()          │
│            isDFA()               │
│      isAccepted(sequence)        │
└─────────────────────────────────┘
```
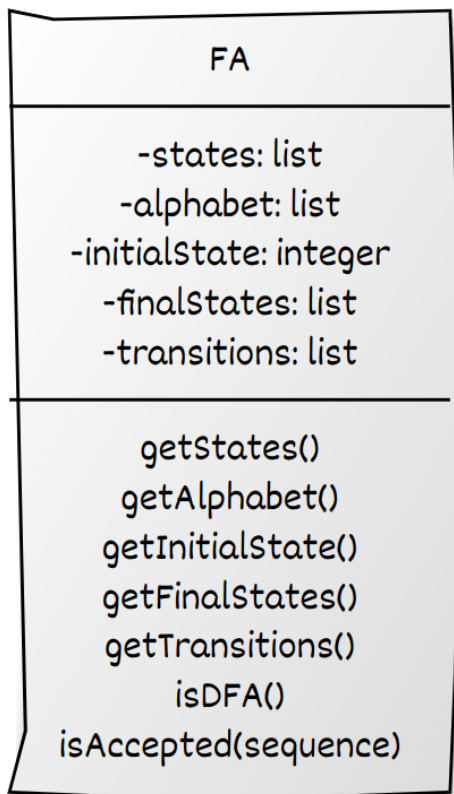
EBNF:
file = states alphabet initialState finalStates transitions
nonzerodigit = "1" | "2" | ... | "9"
digit = "0" | nonzerodigit
number = "0" | nonzerodigit{digit}
state = "q" number
states = state | state "," states
alphabet = step | step "," alphabet
step = number
initialState = state
finalStates = state | state "," finalStates
transitions = transition | transition transitions
transition = state "," step "->" state