Software Development

Guided Exercise 3

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FUNCTIONALITY 1

Evaluation of Group 15's test cases

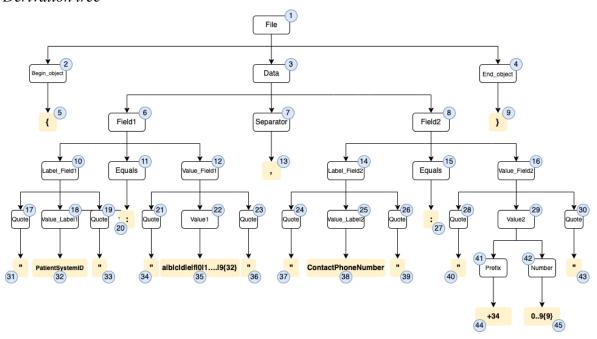
- (+) Description successfully explains the nature of each test case.
- (+) Invalid input is highlighted in red which makes it very easy to distinguish the error handled.
- (+) The rest of the input is consistently held constant in each test case.
- (+) I/O correctly displayed.
- (+) Thorough test cases analyzing all possible downfalls.
- (-) Four ID tests grouped together in the first row for no clear reason.
- (-) The criteria column is a replica of the description. The statement criteria that each case is testing, therefore, missing.
- => Overall good report.

FUNCTIONALITY 2

Definition of grammar:

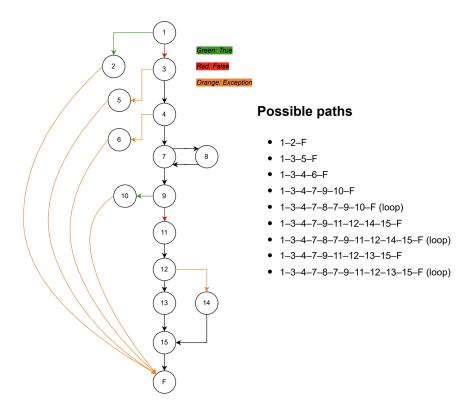
- File:= Begin object, Data, End object
- Begin object:= {
- End object:= }
- Data:= Field1, Separator, Field2
- Field1:= Label Field1, Equals, Value Field1
- Separator:=,
- Field2:= Label Field2, Equals, Value Field2
- **Equals**:= :
- Label Field1:= Quote, Value Label1, Quote
- Quote:= "
- Value Label1:= PatientSystemID
- Value Field1:= Quote, Value1, Quote
- Value1:= $a|b|c|d|e|f|0|1....|9{32}$
- Label Field2:= Quote, Value Label2, Quote
- Value Label2:= ContactPhoneNumber
- Value Field2:= Quote, Value2, Quote
- Value2:= Prefix, Number
- Prefix:= +34
- Number:= $0..9\{9\}$

Derivation tree



FUNCTIONALITY 3

Control flow graph



Corresponding code