Telstra Health new Address Geocoding Solution

Address Geocoding API

Geocoding Request

Set
fuzzLevel = suburbFuzzLevel = 1

fuzzLevel

Identify address elements
(addressLine, suburb,
postcode, state)

Sets validState, validPostcode and the validSuburbs list
addressLine is the remaining text that needs to be processed

suburbFuzzLevel

Set
returnState = validState
returnPostcode = validPostcode
returnSuburb = null

returnState

returnPostcode

returnSuburb

Check for
P.O. Box address
(Rule 3)

not P.O. Box address   **is P.O. Box address**

Find
street name/street type
(Rule 5)

no street name/street type

Process address
as per Business
Rules 1 and 2

pass

Return
Rule 2
meta data

street name/street type

fail

Expand
validSuburbs
[suburbFuzzLevel]

Validate address
as per Business
Rules 1 and 2

fail

Return
"invalid address"

Increment
suburbFuzzLevel

pass

suburbFuzzLevel < maxSuburbFuzzLevel

Create list of
validStreets

Validate
street
[fuzzLevel]
(Rules 4 and 5)

invalid street

Expand
validSuburbs/
validStreets
[fuzzLevel]

valid street

Return
Rule 6
meta data

Check
house number
exists in
subsetValidStreets
(Rule 7)

number exits

Return
Rule 7
meta data

fuzzLevel < maxFuzzLevel

true

false

Increment
fuzzLevel

no such number

> 0
subsetValidStreets