

8. ADVANCED FEATURES

RegExes Summary

Simple Matching

Code	Description
.	Single Character Match
	Logical OR from a List
()	Grouping Content

Qualifications

Code	Description
?	Zero or one occurrences
*	Zero or more occurrences
+	One or more occurrences
{ }	{num} Appears exactly num times {min,} Appears at least min times {,max} Appears up to max times {min,max} between min and max

Symbol Slashes

Code	Description
\.	Matches the period
\\	Matches the vertical bar
\\(Matches the open round bracket
\\)	Matches the close round bracket
\\[Matches the open square bracket
\\]	Matches the close square bracket
\\?	Matches the question mark
*	Matches the wildcard star
\\+	Matches the plus symbol
\\/	Matches the front slash
\\{	Matches the open curly braces
\\}	Matches the close curly braces

Character Classes

Code	Description
[XY]	Matches X or Y
[a-z]	Matches any lowercase character
[A-Z]	Matches any uppercase character
[0-9]	Matches any number
[.]	Matches to period character (It is equivalent to \.)
[^X]	Matches everything except X
The non-Literal Characters are ^ -] \	

Character Slashes

Code	Description
\\d	Matches any of the digit characters (0-9)
\\D	Matches any character other than the digit ones (a-z, A-Z, @, \$, etc.)
\\w	Matches any of the word characters (a-z, A-Z, and “_”)
\\W	Matches any character other than the word ones (0-9, @, \$, etc.)
\\s	Matches any whitespace character (space, tab, newline, etc.).
\\S	Matches any character other than whitespace ones (a-z, A-Z, 0-9, etc)
\\t	Matches the tab character
\\r	Matches the return character
\\n	Matches the new line character

Boundaries

Code	Description
\\b	Matches the start or end of a word
\\B	Matches the middle of a word
^	Matches the start of a String
\$	Matches the end of a String

Assertions

Code	Description
X(?=Y)	Matches X if followed by Y
X(?!Y)	Matches X if not followed by Y
(?<=Y)X	Matches X if Y is preceding
(?<!Y)X	Matches X if Y not preceding

Groups and Backreferences

Code	Description
(X)	Remembers matches to X
(?:X)	Doesn't remember when matching with X
(?<Name>X)	Matches to X, and stores the match as Name
\\k<Name>	Remembers the last match to stored Name