REGEX CHEAT SHEET

Python, PHP, and Perl Supported Metacharacters

Metacharacters	Meaning
\a	Alert
\b	Backspace
\n	Newline
\r	Carriage return
\f	Form feed
\t	Horizontal tab
\octal	Character specified by a three-digit octal code
[...]	Range
[^...]	Not in range
.	Any character except newline
\w	Word character [a-zA-Z0-9_]
\W	Nonword character [^a-zA-Z0-9_]
\d	Digit character [0-9]
\D	Nondigit character [^0-9]
\s	Whitespace character [\n\r\f\t]
\S	Nonwhitespace character [^\n\r\f\t]
^	Start of string
\A	Start of search string, in all match modes
$	End of string
\Z	End of string, or the point before a string-ending newline, in any match mode
\b	Word boundary
\B	Not-word-boundary
(?=...)	Positive lookahead
(?!...)	Negative lookahead
(?<=...)	Positive lookbehind
(?<!...)	Negative lookbehind
i	Case-insensitive matching
m	^ and $ match next to embedded \n
s	Dot (.) matches newline
x	Ignore whitespace, and allow comments (#) in pattern
(?mode)	Turn list modes on fot the rest of the subexpression
(?#...)	Treat substring as a comment
#...	Rest of the line is treated as a comment in x mode
(...)	Group subpattern and capture submatch into \1, \2, ..
\n	Contains the result of nth earlier submatch from a parentheses capture group, or a named capture group
(?:...)	Groups subpattern, but does not capture submatch
...|...	Try subpatterns in alternation
*	Match 0 or more times
+	Match 1 or more times
?	Match 1 or 0 times
{n}	Match exactly n times
{x,y}	Match at least x times, but no more than y times
*?	Match 0 or more times, but a few times as possible
+?	Match 1 or more times, but a few times as possible
??	Match 0 or 1 times, but as few times as possible
{x,y}?	Match at least x times, no more than y times, and as few times as possible