Regex reference

Unix shell file selection wildcards:

- * matches zero or more characters
- matches exactly one character
- [] matches a character from a list or range of contained options
- [!] matches a character NOT in a list or range of contained options
- { } expands to produce forms of all listed contained options

Extended Regular Expression Syntax:

- acts as an OR between options
- () allows grouping, e.g. for OR modifier, with quantifiers, etc..
- [] matches a character from a list or range of contained options
- [^] matches a character NOT in a list or range of contained options
- at the start of a regex means match at start of line
- \$ at the end of a regex means match at end of line
- is the match-all (any single character) wildcard
- ? quantifies previous character or group as occurring zero or one time
- * quantifies previous character or group as occurring zero or more times
- + quantifies previous character or group as occurring one or more times
- {n,m} quantifies previous character or group as occurring between n and m times
- Quantifiers are greedy- will always match longest possible fit.
- [:alpha:] [:alnum:] [:digit:] [:upper:] [:lower:] [:punct:] [:space:]
- W: Word character [a-zA-Z0-9] OR a _ (underscore)
- \w : [^\w] Inverse of \w, any non-word character
- \s : Spaces, tabs, in some contexts new-lines
- \S: [^\s] Inverse of \s, any non-space character
- \b : Boundary between adjacent word and space, 0-length anchor
- \B: [^\b] In the middle of a word or multiple spaces, 0-length anchor
- \scrimt : Boundary at start of word between word and space, 0-length anchor
- \>: Boundary at end of word between word and space, 0-length anchor
- \1, \2, etc.. : Back-reference- refer back to an exact copy of a matched (group)