**JS Regex Cheat Sheet**

**Basics**

**.** *Any char except newline*

**a** *The character a*

**ab** *The string ab*

**a|b** *a or b*

**a\*** *0 or more a’s*

**\** *Escapes a special character*

**Quantifiers**

**\*** *0 or more*

**+** *1 or more*

**?** *0 or 1*

**{2}** *exactly 2*

**{2,5}** *between 2 and 5*

**{2,}** *2 or more*

Groups

**(…)** *Capture a group*

**(?:…)** *non-capturing group*

**\Y** *match the y’th captured group*

**Character classes**

**[ab-d]** *one char of a,b,c,d*

**[^ab-d]** *one char except a,b,c,d*

**[\b]** *backspace character*

**\d** *one digit*

**\D**  *one non-digit*

**\s** *one whitespace*

**\S** *one non-whitespace*

**\w** *one word character*

**\W**  *one non-word character*

**Assertions**

**^** *start of string*

**$** *end of string*

**\b** *word boundary*

**\B** *non-word boundary*

**(?=…)** *positive lookahead*

**(?!...)** *negative lookahead*

**Flags**

**g** *global match*

**i** *ignore case*

**m** *^ and $ match start/end of line*

**Special Characters**

**\n** *newline*

**\t** *tab*

**\0** *null character*

**\YYY** *octal character YYY*

**\xYY** *hexadecimal char YY*

**\xYYYY** *hexadecimal char YYYY*

**\cY** *control character Y*

**Replacement**

**$$** *inserts $*

**$&** *inserts entire match*

**$`** *inserts preceding string*

**$’** *inserts following string*

**$** *insert Yth captured group*

**Regex Methods in JS**

exec 🡪 **/[a-d]/i**.exec(“stringtosearch”);

match 🡪 “stringtosearch”.match(**/[a-d]/i**);

test 🡪 **/t/i**.test(“stringtosearch”) 🡪 true

search 🡪 “stringtosearch”.search(**/t/i**); 🡪 1

replace 🡪 “apple banana”.replace(/apple/,”orange”)

split 🡪 “stringtosearch”.split(/n/)

**Declaring a Regex variable**

**Using a literal** 🡪 var re = /ab+c/;

**Constructor func** 🡪 var re = new RegExp(‘ab+c’);

**Characters that need escaping (\)**

. \ + \* ? [ ^ ] $ ( ) { } = ! < > | : -