php for WordPress
Speaking the language of WordPress
2018

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https://github.com/sketchings/wp-random-quote-playground

PART 1: Basics of PHP

Variables

Conditionals

Functions

PART 2: Build A Plugin

Minimum Viable Plugin (MVP)

Interacting with WordPress

Adding a Shortcode

Basics of PHP

Cany Arrays

```php
$mm1 = [
    'orange','orange','orange','red','yellow','yellow',
    'yellow','green', 'green', 'green', 'blue', 'blue'
];

var_dump(array_count_values($mm1));
$mm2 = [
    'yellow', 'green', 'green', 'green', 'blue', 'blue',
    'orange', 'orange', 'orange', 'red', 'red', 'blue'
];

$bag = [$mm1, $mm2];
```

Variables: scalar (boolean, integer, float, string)

```
$workday = false; // boolean
$hour = 6; // integer
$price = 15.25; // float
$quote = "Your future is created by what you do today,"
. " not tomorrow."; // string
$quote .= " – Robert Kiyosaki"; // concatenation
define( 'FORCE_SSL_ADMIN', true); // doesn't change
```

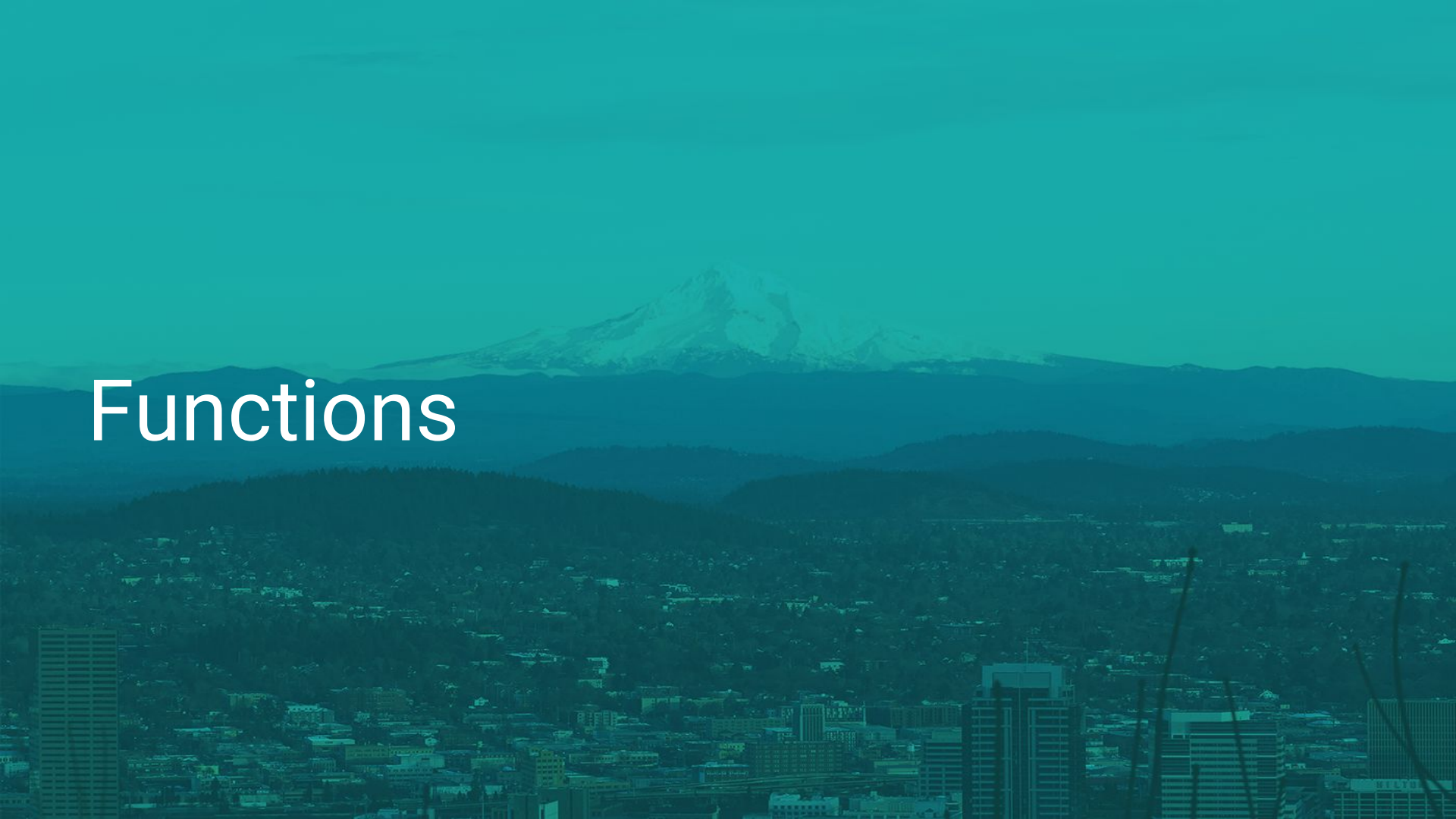
PHP Basics

```php
<?php
/*
Multi Line Comment
Used for documentation
*/
$total = (6*3) + (12/4) - 2.5;// math 18.5
echo "This will display $total value on page.";// 18.5
echo 'This will display $total name on page.';// $total
var_dump($total, FORCE_SSL_ADMIN);
// float(18.5) bool(true)
// leave off the closing tag if ending a file
?>
```

Variables: array

```php
$motivation = array(
  "You don’t have to be great to start...",
  "Set a goal that makes you want to jump...",
  "You’ll never change your life until...",
  "This is not just another day, this is...",
  "Leave your ego at the door every morning...",
);
$motivation[] = $quote;
echo $motivation[0];
```

Functions



Functions: Build-In

string substr – Return part of a string

int strlen – Get string length

string trim – Strip whitespace (or other characters) from the beginning and end of a string (also rtrim & ltrim)

int strpos – Find position of first occurrence of substring in string

string strtolower – Make a string lowercase (also strtoupper)

mixed str_replace – Replace all occurrences of the search string with the replacement string

Array Functions

array array_merge – Merge one or more arrays

bool in_array – Checks if a value exists in an array

array array_keys – Return all the keys (or subset) of an array

Functions: User Defined

```
function sketchings_quotes ( $category = null )
{
    $motivation = array(...);
    $encouragement = array(...);

    if ( in_array(strtolower(trim($category)),
      array('motivation', 'motivated', 'motivate')) ) {
        return $motivation;
    }
    if ( in_array(strtolower(trim($category)),
      array('encouragement','encourage','encouraging')) ) {
        return $encouragement;
    }
    return array_merge($motivation, $encouragement);
}
```

Conditionals

```
function sketchings_random_quote ( $category = null )
{
    $hour = date('H');
    if (!empty($category)) {
        $quotes = sketchings_quotes($category);
    } elseif ($hour > 4 && $hour < 17) {
        $quotes = sketchings_quotes('motivation');
    } else {
        $quotes = sketchings_quotes('encouragement');
    }
    $index = array_rand($quotes);
    return $quotes[$index];
}
```

Loops

for – loops through a block of code a specified number of times.

while – loops through a block of code if and as long as a specified condition is true.

do...while – loops through a block of code once, and then repeats the loop as long as a special condition is true.

foreach – loops through a block of code for each element in an array.

Loops: foreach

```
function sketchings_tooltip($content) {
    $search = array(' motivation',' encouragement', '...');
    foreach ($search as $word) {
        $content = str_ireplace(
            $word,
            ' <span class="tooltip">' . $word
             . '<span class="tooltiptext">'
             . sketchings_random_quote($word)
             . '</span></span>',
             $content
        );
    }
    return $content;
}
```

Build a Plugin

Minimum Viable Plugin (MVP)

File: sketchings-random-quote-playground.php

```
<?php
/*
Plugin Name:  WP Random Quote Playground
*/
```

Interacting with WordPress

Themes Look and feel of the site

Plugins Added functionality of the site

Hooks Themes and Plugins “Hook” into Core using “Actions” and “Filters”

Actions Add or Remove Functionality

Filters Change Data

Actions: Add or Remove Functionality

```
function sketchings_random_quote_styles() {
    wp_register_style(
        'quote-styles',
        plugin_dir_url( __FILE__ ) . 'css/styles.css'
    );
    wp_enqueue_style( 'quote-styles' );
}
add_action( 'wp_head', 'sketchings_random_quote_styles' );
```

Filters: Change Data

```
function sketchings_tooltip($content) {
    $search = array(' motivation',' encouragement', '...');
    foreach ($search as $word) {
        $content = str_ireplace(
            $word,
            ' <span class="tooltip">' . trim($word)
             . '<span class="tooltiptext">'
             . sketchings_random_quote($word)
             . '</span></span>',
            $content
        );
    }
    return $content;
}
add_filter ('the_content', 'sketchings_tooltip');
```

Shortcode: Add to post or widgets

```
function sketchings_random_quote_shortcode( $atts ) {
    return sketchings_random_quote( $atts['category'] );
}
add_shortcode(
'random-quote',
'Sketchings_random_quote_shortcode'
);

// to use in page or widget
[random-quote category = "motivation"]
```

Resources

PHP

DOCS: php.net

phptherightway.com

teamtreehouse.com

Local Server: MAMP

WordPress

DOCS: codex.wordpress.org

wpmudev.org

wpshout.com

SmashingMagazine.com

Where to find Alena:

TeamTreehouse.com

Meetup.com: PDX-PHP

Sketchings.com

Twitter: @sketchings

GitHub: sketchings

https://github.com/sketchings/wp-random-quote-playground