

ajax.js

```
function ajaxObj(method, url) {  
    var x = new XMLHttpRequest();  
    x.open(method, url, true);  
    x.setRequestHeader("Content-type", "application/x-www-form-urlencoded");  
    return x;  
}  
  
function ajaxReturn(x){  
    if(x.readyState == 4 && x.status == 200){  
        return true;  
    }  
}
```

main.js (will probably changed to signup.js... mostly has sign up functions)

```
// js functions  
  
// grabs the element by the id in the  
function Id(x){  
    return document.getElementById(x);  
}  
  
/** sign up fns  
  
// sets restrictions for input fields, ensures proper input  
  
function restrict(elem){  
    var tf = Id(elem);  
    var regEx = new RegExp;  
    if(elem == "email"){  
        regEx = /^[ "]/gi;  
    } else if(elem == "username"){  
        regEx = /^[a-z0-9]/gi;
```

```

    }

    tf.value = tf.value.replace(regEx, "");
}

function emptyElement(x){
    Id(x).innerHTML = "";
}

// checks entered username with the database
function checkusername(){
    var uname = Id("username").value;
    if(uname != ""){
        Id("unamestatus").innerHTML = 'checking username...';
        var ajax = ajaxObj("POST", "signup.php");
        ajax.onreadystatechange = function(){
            if(ajaxReturn(ajax) == true){
                Id("unamestatus").innerHTML = ajax.responseText;
            }
        }
        ajax.send("checkusername="+uname);
    }
}

function displayTermsofUse(){
    Id("TermsofUse").style.display = "block";
    Id("TermsofUse").style.color = "white";
    emptyElement("status");
}

// actual signup fn unfinished

```

city.js

```

function carousel() {
    var i;

```

```
var x = document.getElementsByClassName("mySlides");  
for (i = 0; i < x.length; i++) {  
    x[i].style.display = "none";  
}
```

```
myIndex++;
```

```
if (myIndex > x.length) {myIndex = 1}  
x[myIndex-1].style.display = "flex";
```

```
setTimeout(carousel, 4000); // Change image every 4 seconds  
}
```

```
//weather
```

```
function getCurrentWeather(cityname){
```

```
    var openWeatherCurrentAPI = 'c41f983ab41ba45e3da75f49e0bbafc0'
```

```
    openWeatherURL = 'http://api.openweathermap.org/data/2.5/weather?q=' + cityname+'$APPID=' +  
    openWeatherCurrentAPI;
```

```
var forecast = new XMLHttpRequest();
```

```
forecast.open('GET', openWeatherURL, true);
```

```
console.log(forecast)
```

```
var html = ' ',
```

```
    cityName = forecast.name,
```

```
html = '<h2>' + cityName + ' weather</h2>'
```

```
html += '<h1>' + forecast.main.temp + '</h1>'
```

```
html += '<p>' + forecast.weather.main + '</p>'
```

```
html += '<p>' + forecast.icon + '</p>'
```

```

    $('#log').html(html)

    document.getElementById('weather').innerHTML = html;
}
/*
function getData(url, cityname, appId, units){
    var request = $.ajax({
        url: url,
        dataType: "jsonp",
        data: {q: cityname, appId: appId, units: units},
        type: "GET"
    }).fail(function(error){
        console.error(error)
        alert('Error sending request')
    })

}*/

/*
function fetchCurrentWeather(forecast){
    console.log(forecast)

    var html = ' ',
        cityName = forecast.name,
        country = forecast.sys.country

    html = '<h2>' + cityName + ' weather</h2>'
    html += '<h1>' + forecast.main.temp + '</h1>'
    html += '<p>' + forecast.weather.main + '</p>'
    html += '<p>' + forecast.icon + '</p>'

    $('#log').html(html)

    //document.getElementById('weather').innerHTML = html;

```

```
*/
```

dbconnect.php (script for connecting to the database)

```
<?php
$db_host = "localhost";
$db_username = "****";
$user_password = "****";
$db_name = "****";

$db_connect = mysqli_connect($db_host, $db_username, $user_password, $db_name);

// mysqli connection error check
if(mysqli_connect_errno()){
    echo mysqli_connect_error();
    exit();
} else {
    echo "Connected to db";
}

?>
```

signup.php (user registration page)

```
<?php
// called by the check username fn
if(isset($_POST["checkusername"])){
    include_once("php_includes/dbconnect.php");

    $uname = preg_replace('#[^a-z0-9]#i', '', $_POST['checkusername']);

    // sql query
    $sql = "SELECT id FROM users WHERE username='$uname' LIMIT 1";

    $query = mysqli_query($dbconnect, $sql);

    //check the db
```

```

$check = mysqli_num_rows($query);

if (strlen($uname) < 3 || strlen($uname) > 16) {

    echo '<strong style="color:red;"> username should have 3-16 characters </strong>';

    exit();

}

// might not use this next fn, but it's here if we want it

if (is_numeric($uname[0])) {

    echo '<strong style="color:red;">Usernames should begin with a letter</strong>';

    exit();

}

if ($check < 1) { // result of query

    echo '<strong style="color:green;">' . $uname . ' is available</strong>';

    exit();

} else {

    echo '<strong style="color:red;">' . $uname . ' is taken</strong>';

    exit();

}

}

?>

<!-- sign up php script will go here, unfinished-->

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width">

<meta name="description" content="An all in one travel app that helps you get out and explore.">

<meta name="keywords" content="travel, travel information, weather, local weather">

<meta name="author" content="4bits">

<title>New Member Sign Up</title>

<link rel="stylesheet" href="/css/style.css"> <!-- Link with style.css -->

<link rel="icon" href="favicon.ico" type="image/x-icon">

```

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"> <!-- For bootstrap icons -->
```

```
<style type="text/css">
```

```
#signupform{
```

```
    margin-top:24px;
```

```
}
```

```
#signupform > div {
```

```
    margin-top: 12px;
```

```
}
```

```
#signupform > input,select {
```

```
    width: 200px;
```

```
    padding: 3px;
```

```
    background: #F3F9DD;
```

```
}
```

```
#submit {
```

```
    font-size:18px;
```

```
    padding: 12px;
```

```
}
```

```
#TermsofUse {
```

```
    border:#CCC 1px solid;
```

```
    padding: 12px;
```

```
}
```

```
</style>
```

```
<script src="js/main.js"></script> <!-- js module -->
```

```
<script src="js/ajax.js"></script> <!-- ajax module -->
```

```
<script>
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<div id="main">
```

```

<h3 style="color:white;">New Member Sign Up</h3>

<form name="signupform" id="signupform" onsubmit="return false;">

  <div style="color:white;">Pick a username: </div>

  <!--onblur is when user clicks away to a different element on the page-->

  <!--onkeyup is when the user releases the key-->

  <input id="username" type="text" onblur="checkusername()" onkeyup="restrict('username')"
maxlength="16">

  <span id="unamestatus"></span> <!-- status of username input -->

  <div style="color:white;">Enter email address:</div>

  <input id="email" type="text" onfocus="emptyElement('status')" onkeyup="restrict('email')" maxlength="88" >

  <div style="color:white;">Create Password:</div>

  <input id="pass1" type="password" onfocus="emptyElement('status')" maxlength="16">

  <div style="color:white;">Confirm Password:</div>

  <input id="pass2" type="password" onfocus="emptyElement('status')" maxlength="16">

</div>

  <a href="#" onclick="return false" onmousedown="displayTermsOfUse()">

    View the What's There? Terms Of Use

  </a>

</div>

<div id="TermsOfUse" style="display:none;">

  <h3>Terms Of Use</h3>

  <p>The terms of use for</p>

  <p>registering will go here</p>

</div>

<br /><br />

<button id="submit" >Create Account</button> <!-- temp removed onclick="signup()" temp. -->

<span id="status"></span>

</form>

</div> <!-- end main -->

<!-- Nav Bar -->

```



```

<div class="aside">

  <a href="login.php"><i class="glyphicon glyphicon-off"></i></a> <!-- login box -->

  <a href="index.html"><i class="glyphicon glyphicon-road"></i></a> <!-- cities box -->

  <a href="#"><i class="glyphicon glyphicon-usd"></i></a> <!-- trip calculator box -->

  <a href="#"><i class="glyphicon glyphicon-calendar"></i></a> <!-- calendar box -->

  <a href="notifications.html"><i class="glyphicon glyphicon-exclamation-sign"></i></a> <!-- notices -->

  <a href="about.html"><i class="glyphicon glyphicon-cloud"></i></a> <!-- contact and about -->

</div>


<div class="footer">

  <p>The 4 Bits, Copyright &copy; 2017</p>

</div>


</body>

</html>

```

index.html (home page)

```

<!DOCTYPE html>

<html>

  <!-- Page meta data -->

    <head>

      <meta charset="utf-8">

      <meta name="viewport" content="width=device-width">

      <meta name="description" content="An all in one travel app that helps you get out and
explore.">

      <meta name="keywords" content="travel, travel information, weather, local weather">

      <meta name="author" content="Garrett Brumley">

      <title>What's There?</title>

      <link rel="stylesheet" href="/css/style.css"> <!-- Link with style.css -->

      <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"> <!-- For bootstrap icons -->

```

```

        <script src="js/main.js"></script>
    </head>
    <body>
        <!-- Nav Bar -->
        <div class="aside">
            <a href="login.php"><i class="glyphicon glyphicon-off"></i></a> <!-- login box -->

            <div class="dropdown">
                <a href="index.html"><i class="glyphicon glyphicon-road"></i>
                    <div class="dropdown-content">
                        <a href="dallas.html">Dallas</a>
                        <a href="austin.html">Austin</a>
                        <a href="#">Houston</a>
                    </div>
                </div>
            </div>

            <a href="#"><i class="glyphicon glyphicon-usd"></i></a> <!-- trip calculator box -->
            <a href="#"><i class="glyphicon glyphicon-calendar"></i></a> <!-- calendar box -->
            <a href="notifications.html"><i class="glyphicon glyphicon-exclamation-sign"></i></a>
        <!-- notices -->

        <a href="about.html"><i class="glyphicon glyphicon-cloud"></i></a> <!-- contact and
        about -->
    </div>

    <!-- Search Bar -->
    <div class="main">
        <h1>What's There?</h1>
        <div class="search">
            <input type="text" name="search" placeholder="Search..">
        </div>
    </div>

    <!-- Footer -->

```

```
<div class="footer">

    <p>The 4 Bits, Copyright &copy; 2017</p>

</div>

</body>

</html>
```

dallas.html (one of the city pages)

```
<!DOCTYPE html>

<html>

<!-- Page meta data -->

    <head>

        <meta charset="utf-8">

        <meta name="viewport" content="width=device-width">

        <meta name="description" content="An all in one travel app that helps you get out and
explore.">

        <meta name="keywords" content="travel, travel information, weather, local weather">

        <meta name="author" content="Garrett Brumley">

        <!-- to use Bootstrap 3-->

        <link rel="stylesheet"
href="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css">

        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

        <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"></script>

        <title>Dallas</title>

        <link rel="stylesheet" href="/css/styleCity.css"> <!-- Link with style.css -->

        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"> <!-- For bootstrap icons -->

        <script src="/js/city.js"></script>

        <script src="https://s3-us-west-2.amazonaws.com/reallysimpleweather/reallysimpleweather-
1.1.0.min.js"></script> <!-- https://a12k.io/reallysimpleweather-->
```

```

<script src="js/main.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

</head>

<body>

    <!-- Nav Bar -->

    <div class="aside">

        <a href="login.php"><i class="glyphicon glyphicon-off"></i></a> <!-- login box -->

        <div class="dropdown">

            <a href="index.html"><i class="glyphicon glyphicon-road"></i>

                <div class="dropdown-content">

                    <a href="dallas.html">Dallas</a>

                    <a href="austin.html">Austin</a>

                    <a href="#">Houston</a>

                </div>

            </div>

            <a href="#"><i class="glyphicon glyphicon-usd"></i></a> <!-- trip calculator box -->

            <a href="#"><i class="glyphicon glyphicon-calendar"></i></a> <!-- calendar box -->

            <a href="notifications.html"><i class="glyphicon glyphicon-exclamation-sign"></i></a>

        <!-- notices -->

        <a href="about.html"><i class="glyphicon glyphicon-cloud"></i></a> <!-- contact and
        about -->

    </div>

    <!-- Slideshow -->

    <div class="main1">

        <h1>Dallas</h1>

        <div class="w3-content w3-section">

            

            

```

936591_1920.jpg">

<div id="weather"></div>

Weather</button>

<button data-toggle="collapse" data-target="#Weather">The

<h4>Weather</h4>

<div class="collapse">

<script>

// https://a12k.io/reallysimpleweather

// getCurrentWeather('Dallas');

reallySimpleWeather.weather({

wunderkey: "", // leave blank for Yahoo

location: 'Dallas, TX', //your location

woeid: "", // "Where on Earth ID"

unit: 'c', // 'f' also works

success: function(weather) {

```

        html = '<h2>'+weather.temp+'°'+weather.units.temp+'</h2>';

        html += '<ul><li>'+weather.city+', '+weather.region+'</li>';

        html += '<li>'+weather.currently+'</li>';

        html += '<li>'+weather.wind.direction+' '+weather.wind.speed+'
'+weather.units.speed+'</li></ul>';

        document.getElementById('weather').innerHTML = html;

    },

    error: function(error) {

        document.getElementById('weather').innerHTML =

'<p>'+error+'</p>';

    }

    });

</script>

</div>

</div>

<!-- Footer -->

<div class="main2">

    <!--<div class="geo"><button class="geobutton">Geography and
Environment</button></div>-->

    <button type="button" class="btn geobutton" data-toggle="modal" data-
target="#geoModal">

        Geography and Environment</button>

    <!--<div class="attraction"><button
class="attractionbutton">Attractions</button></div>-->

    <button type="button" class="btn btn-info" data-toggle="modal" data-
target="#attractionsModal">

        Attractions</button>

    <!--<div class="hotel"><button class="hotelbutton">Hotels</button></div>-->

    <button type="button" class="btn btn-default" data-toggle="modal" data-
target="#hotelsModal">

        Hotels</button>

    <!--<div class="restaurant"><button
class="restaurantbutton">Restaurants</button></div>-->

```

```

        <button type="button" class="btn btn-warning" data-toggle="modal" data-
target="#restaurantsModal">
    Restaurants</button>

    <!--<div class="traffic"><button class="trafficbutton">Traffic</button></div-->

    <button type="button" class="btn btn-danger" data-toggle="modal" data-
target="#trafficModal">
    Traffic</button>

    <!--<div class="transport"><button class="transportbutton">Public
Transport</button></div-->

    <button type="button" class="btn btn-primary" data-toggle="modal" data-
target="#transportModal">
    Public Transport</button>

</div>

<!--modals-->

<!--geo-->

<div class="modal fade" id="geoModal" tabindex="-1" role="dialog" aria-
labelledby="geoModalLabel" aria-hidden="true">
<div class="modal-dialog" role="document">
    <div class="modal-content">
        <div class="modal-header">
            <h5 class="modal-title" id="geoModalLabel">Dallas geo</h5>
            <button type="button" class="close" data-dismiss="modal" aria-label="Close">
                <span aria-hidden="true">&times;</span>
            </button>
        </div>
        <div class="modal-body">
            I'm geoModal
        </div>
        <div class="modal-footer">
            <button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>
        </div>
    </div>
</div>

```

```
</div>

</div>

</div>

<!--attractions-->

<div class="modal fade" id="attractionsModal" tabindex="-1" role="dialog" aria-
labelledby="attractionsModalLabel" aria-hidden="true">

<div class="modal-dialog" role="document">

<div class="modal-content">

    <div class="modal-header">

        <h5 class="modal-title" id="attractionsModalLabel">Dallas attractions</h5>

        <button type="button" class="close" data-dismiss="modal" aria-label="Close">

            <span aria-hidden="true">&times;</span>

        </button>

    </div>

    <div class="modal-body">

        I'm attractionsModal

    </div>

    <div class="modal-footer">

        <button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>

    </div>

</div>

</div>

</div>

</div>

<!--hotels-->

<div class="modal fade" id="hotelsModal" tabindex="-1" role="dialog" aria-labelledby="hotelsModalLabel" aria-
hidden="true">

<div class="modal-dialog" role="document">

<div class="modal-content">

    <div class="modal-header">
```



```

        <h5 class="modal-title" id="hotelsModalLabel">Dallas hotels</h5>

        <button type="button" class="close" data-dismiss="modal" aria-label="Close">
            <span aria-hidden="true">&times;</span>
        </button>
    </div>

    <div class="modal-body">
        I'm hotelsModal
    </div>

    <div class="modal-footer">
        <button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>
    </div>
</div>
</div>
</div>

```

```

        <!--restaurants-->

        <div class="modal fade" id="restaurantsModal" tabindex="-1" role="dialog" aria-
labelledby="restaurantsModalLabel" aria-hidden="true">

        <div class="modal-dialog" role="document">

            <div class="modal-content">

                <div class="modal-header">

                    <h5 class="modal-title" id="restaurantsModalLabel">Dallas restaurants</h5>

                    <button type="button" class="close" data-dismiss="modal" aria-label="Close">

                        <span aria-hidden="true">&times;</span>
                    </button>
                </div>

                <div id="res" class="modal-body">

                    <script>

```

```

        /*      $http{{

```

```
        method: 'GET',  
        url:  
'https://developers.zomato.com/api/v2.1/search?entity_type=city&q=Dallas&sort=rating&order=desc',  
        headers: {'user_key' :  
'8cda5ea516e5ac19d9cc316cdea8f486'},  
    });  
    */
```

```
</script>
```

```
</div>
```

```
<div class="modal-footer">
```

```
    <button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!--traffic-->
```

```
    <div class="modal fade" id="trafficModal" tabindex="-1" role="dialog" aria-  
labelledby="trafficModalLabel" aria-hidden="true">
```

```
<div class="modal-dialog" role="document" style="width:1250px;">
```

```
<div class="modal-content">
```

```
<div class="modal-header">
```

```
    <h5 class="modal-title" id="trafficModalLabel">Dallas Traffic</h5>
```

```
    <button type="button" class="close" data-dismiss="modal" aria-label="Close">
```

```
        <span aria-hidden="true">&times;</span>
```

```
</button>
```

```
</div>
```

```
<div id="map" class="modal-body">
```

```
<!--
```

```
https://developers.google.com/maps/documentation/javascript/examples/layer-traffic?refresh=1&pli=1-->
```

```
<script>
```

```

$(("#trafficModal").on("shown.bs.modal", function () {

    initMap();

});

function initMap() {

    var map = new

    google.maps.Map(document.getElementById('map'), {

        zoom: 13,

        center: {lat: 32.7767, lng: -

96.7970}

    });

    var trafficLayer = new

    google.maps.TrafficLayer();

    trafficLayer.setMap(map);

}

</script>

<script async defer

    src="https://maps.googleapis.com/maps/api/js?key=AlzaSyC_OI2II96Caxy1ULgQQ9LKGFtQVp0vSaY&callb
ack=initMap">

</script>

</div>

<div class="modal-footer">

    <button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!--transport-->

<div class="modal fade" id="transportModal" tabindex="-1" role="dialog" aria-labelledby="transportModalLabel"
aria-hidden="true">

```

```
<div class="modal-dialog" role="document">
  <div class="modal-content">
    <div class="modal-header">
      <h5 class="modal-title" id="transportModalLabel">Dallas transport</h5>
      <button type="button" class="close" data-dismiss="modal" aria-label="Close">
        <span aria-hidden="true">&times;</span>
      </button>
    </div>
    <div class="modal-body">
      I'm transportModal
    </div>
    <div class="modal-footer">
      <button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>
    </div>
  </div>
</div>
</div>
</div>

</body>
</html>
```