

```

1  <?php
2      $weather = "";
3      $error = "";
4
5      if(array_key_exists('cityName', $_GET))
6      {
7          $urlContents =
8              file_get_contents("http://api.openweathermap.org/data/2.5/weather?q="
9              .urlencode($_GET["cityName"])."&appid=03af5faf567d45d30b8ea060d3a27a2d");
10             //fetch json string from open weather's API
11             //urlencode fixes all the strange characters going to the url like spaces,&,
12             etc.
13             $weatherArray = json_decode($urlContents, true); //translate json into php
14             and pours it into an array (thanks to the 'true' flag)
15             if($weatherArray)
16             {
17                 $weather = "The weather in ".$_GET["cityName"]." is currently
18                     ".$weatherArray["weather"][0]["description"]." ";
19
20                 $temperatureInCelcius = $weatherArray['main']['temp']-273;
21                 $weather .= "With a temperature of ".intval($temperatureInCelcius)."&deg
22                     C and the wind speed is ".
23                 $weatherArray['wind']['speed']." m/s. ";
24
25                 $messageBox = array ("pre" => "<div class='alert alert-success'
26                     role='alert'><p>",
27                     "post" => "</p></div>");
28                 $weather = $messageBox["pre"].$weather.$messageBox["post"];
29             }
30             else
31             {
32                 $error .= "<div class='alert alert-danger' role='alert'><p>Sorry, your
33                     city could not be found.</p></div>";
34             }
35         }
36     ?>
37 <html>
38 <head>
39     <title>Weather Scraper</title>
40     <!-- JQUERY -->
41     <script type="text/javascript"
42         src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></scrip
43         t>
44     <script src="jQueryUI/external/jquery/jquery.js"></script>
45     <script src="jQueryUI/jquery-ui.js"></script>
46     <link rel="stylesheet" href="jQueryUI/jquery-ui.css">
47     <!-- BOOTSTRAP -->
48     <meta charset="utf-8">
49     <meta name="viewport" content="width=device-width, initial-scale=1,
50         shrink-to-fit=no">
51     <meta http-equiv="x-ua-compatible" content="ie=edge">
52
53     <!-- Bootstrap CSS -->
54     <link rel="stylesheet"
55         href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/css/bootstrap.mi
56         n.css"
57         integrity="sha384-rwOIResJ2yc3z8GV/NPeZWA56rSmLldC3R/AZzGRnGxQQKnKkoFVhFQhNU
58         wEyJ"
59         crossorigin="anonymous">
60     <style type="text/css">
61
62         html
63         {
64             background: url(matt-jones-67740_2.jpg) no-repeat center center fixed;
65             -webkit-background-size: cover;
66             -moz-background-size: cover;
67             -o-background-size: cover;
68             background-size: cover;
69         }

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58         body
59         {
60             background:none;
61         }
62
63         #containerId
64         {
65             margin-top:200px;
66         }
67
68         #error
69         {
70             margin-top:50px;
71         }
72
73     </style>
74 </head>
75 <body>
76
77     <div class="container text-center" id="containerId">
78         <h1>What's The Weather?</h1>
79         <form method="get">
80
81             <div class="form-group">
82                 <label for="txtCity">Enter the name of a city.</label>
83                 <input name="cityName" id="cityName" type="text"
84                     class="form-control" placeholder="Eg. London, Tokyo, Sydney,
85                     etc..." value="<?php echo $_GET['cityName']?>">
86
87             <button name="btnSubmit" id="btnSubmit" type="submit" class="btn
88                 btn-primary">Submit</button>
89
90             <div id="error" class="container">
91                 <? echo $weather.$error ?>
92             </div>
93         </form>
94     </div>
95
96
97     <!-- jQuery first, then Tether, then Bootstrap JS. -->
98     <script src="https://code.jquery.com/jquery-3.1.1.slim.min.js"
99         integrity="sha384-A7FZj7v+d/sdmMqp/nOQwliLvUsJfDHW+k9Omg/a/EheAdgtzNs3hpfag6Ed
100         950n" crossorigin="anonymous"></script>
101
102     <script
103         src="https://cdnjs.cloudflare.com/ajax/libs/tether/1.4.0/js/tether.min.js"
104         integrity="sha384-DztdAPBWPRXSA/3eYEEUWRWcy7G5KFbe8fFjk5JAIxUYHKkDx6Qin1Dkwx51
105         bBrb" crossorigin="anonymous"></script>
106
107     <script
108         src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/js/bootstrap.min.
109         js"
110         integrity="sha384-vBWWz1ZJ8ea9aCX4pEW3rVHjgjt7zpkNpZk+02D9phzyeVKE+jo0ieGizqPL
111         Forn" crossorigin="anonymous"></script>
112
113     <script type="text/javascript">
114
115 </script>
116 </body>
117 </html>

```