## Web\_Scrape

November 2, 2018

## 0.0.1 Web Scraping using Python and BeautifulSoup

```
In [3]: import requests
In [4]: page = requests.get("http://dataquestio.github.io/web-scraping-pages/simple.html")
       page1 = requests.get("https://github.com/mohitsharma44official/Python-Web-Scraping-/b
In [5]: page
Out[5]: <Response [200]>
In [6]: page.status_code
Out[6]: 200
In [7]: page.content
Out[7]: b'<!DOCTYPE html>\n<html>\n
                                       <head>\n
                                                       <title>A simple example page</title>\n
0.0.2 Beautifulsoup
In [9]: from bs4 import BeautifulSoup
        soup = BeautifulSoup(page.content, 'html.parser')
In [10]: soup
Out[10]: <!DOCTYPE html>
         <html>
         <head>
         <title>A simple example page</title>
         </head>
         <body>
         Here is some simple content for this page.
         </body>
         </html>
In [11]: print(soup.prettify())
```

```
<!DOCTYPE html>
<html>
 <head>
 <title>
  A simple example page
 </title>
 </head>
 <body>
 >
  Here is some simple content for this page.
 </body>
</html>
In [12]: soup.children
Out[12]: clist_iterator at 0x11527e438>
In [13]: list(soup.children)
Out[13]: ['html', '\n', <html>
         <head>
         <title>A simple example page</title>
         </head>
         <body>
          Here is some simple content for this page.
         </body>
         </html>]
In [17]: list(soup.children)[2]
Out[17]: <html>
         <head>
         <title>A simple example page</title>
         </head>
        <body>
         Here is some simple content for this page.
         </body>
         </html>
In [18]: # To see the type
         [type(i) for i in list(soup.children)]
Out[18]: [bs4.element.Doctype, bs4.element.NavigableString, bs4.element.Tag]
In [20]: html = list(soup.children)[2]
In [21]: list(html.children)
```

```
Out[21]: ['\n', <head>
         <title>A simple example page</title>
         </head>, '\n', <body>
         Here is some simple content for this page.
         </body>, '\n']
In [25]: body = list(html.children)[3]
In [26]: body
Out [26]: <body>
         Here is some simple content for this page.
         </body>
In [28]: list(body.children)[1]
Out[28]: Here is some simple content for this page.
In [29]: p = list(body.children)[1]
        p.get_text()
Out[29]: 'Here is some simple content for this page.'
0.0.3 Weather Scraping (SF)
In [34]: Ex_page = requests.get("http://forecast.weather.gov/MapClick.php?lat=37.7772&lon=-122
In [35]: Ex_page
Out[35]: <Response [200]>
In [36]: Ex_page.status_code
Out[36]: 200
In [37]: Ex_page.content
Out[37]: b'<!DOCTYPE html>\n<html class="no-js">\n
                                                     <head>\n
                                                                     <!-- Meta -->\n
In [40]: from bs4 import BeautifulSoup
         soup = BeautifulSoup(Ex_page.content, 'html.parser')
In [41]: print(soup.children)
<list_iterator object at 0x115306c18>
In [42]: list(soup.children)
```

```
Out[42]: ['html', '\n', <html class="no-js">
          <head>
          <!-- Meta -->
          <meta content="width=device-width" name="viewport"/>
          <link href="http://purl.org/dc/elements/1.1/" rel="schema.DC"/><title>National Weath
          <!-- Icons -->
          <link href="./images/favicon.ico" rel="shortcut icon" type="image/x-icon"/>
          <!-- CSS -->
          <link href="css/bootstrap-3.2.0.min.css" rel="stylesheet"/>
          <link href="css/bootstrap-theme-3.2.0.min.css" rel="stylesheet"/>
          <link href="css/font-awesome-4.3.0.min.css" rel="stylesheet"/>
          <link href="css/ol-4.6.4.css" rel="stylesheet" type="text/css"/>
          <link href="css/mapclick.css" rel="stylesheet" type="text/css">
          <!--[if lte IE 7]><link rel="stylesheet" type="text/css" href="css/bootstrap-ie7.css"
          <!--[if lte IE 9]><link rel="stylesheet" type="text/css" href="css/mapclick-ie.css",
          <link href="css/print.css" rel="stylesheet" type="text/css">
          <link href="css/search.css" rel="stylesheet" type="text/css">
          <!-- Javascript -->
          <script src="js/lib/modernizr-2.8.3.js" type="text/javascript"></script>
          <script src="js/lib/json3-3.3.2.min.js" type="text/javascript"></script>
          <script src="js/lib/jquery-1.11.3.min.js" type="text/javascript"></script>
          <script src="js/lib/jquery.hoverIntent-1.8.1.min.js" type="text/javascript"></script</pre>
          <script src="js/lib/bootstrap-3.2.0.min.js" type="text/javascript"></script>
          <script src="js/lib/ol-4.6.4.js" type="text/javascript"></script>
          <!--[if lte IE 8]><script type="text/javascript" src="js/respond.min.js"></script><!
          <script src="js/jquery.autocomplete.min.js" type="text/javascript"></script>
          <script src="js/cfisurvey/cfi.js?v2" type="text/javascript"></script>
          <script src="js/forecast.esri.js" type="text/javascript"></script>
          <script src="js/forecast.search.js" type="text/javascript"></script>
          <script src="js/forecast.openlayers.js" type="text/javascript"></script>
          <script src="js/browserSniffer.js" type="text/javascript"></script>
          <script src="js/federated-analytics.js" type="text/javascript"></script>
          <script type="text/javascript">
                      (function (i, s, o, g, r, a, m) \{
                          i['GoogleAnalyticsObject'] = r;
                          i[r] = i[r] || function () {
                              (i[r].q = i[r].q || []).push(arguments)
                          , i[r].l = 1 * new Date();
                          a = s.createElement(o),
                                  m = s.getElementsByTagName(o)[0];
                          a.async = 1;
                          a.src = g;
                          m.parentNode.insertBefore(a, m)
                      })(window, document, 'script', '//www.google-analytics.com/analytics.js'
                      ga('create', 'UA-40768555-1', 'weather.gov');
                      ga('set', 'anonymizeIp', true);
                      ga('require', 'linkid');
```

```
ga('send', 'pageview');
                                     </script>
</link></link></meta></head>
<body>
<main class="container">
<header class="row clearfix" id="page-header">
<a class="pull-left" href="http://www.noaa.gov" id="header-noaa"><img alt="National |</pre>
<a class="pull-left" href="http://www.weather.gov" id="header-nws"><img alt="Nationa"</pre>
<a class="pull-right" href="http://www.commerce.gov" id="header-doc"><img alt="United")</pre>
</header>
<nav class="navbar navbar-default row" role="navigation">
<div class="container-fluid">
<div class="navbar-header">
<button class="navbar-toggle collapsed" data-target="#top-nav" data-toggle="collapse</pre>
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="collapse navbar-collapse" id="top-nav">
<a href="http://www.weather.gov">HOME</a>
class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="http://>
class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="http://-</pre>
class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="http://y</pre>
class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="http://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://w
class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="http://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://w
class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="http://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://w
<a class="dropdown-toggle" data-toggle="dropdown" href="http://</pre>
<div id="site-search">
<form action="http://search.usa.gov/search" method="get" style="margin-bottom: 0; mag</pre>
<input name="v:project" type="hidden" value="firstgov"/>
<label for="query">Search For</label>
<input id="query" name="query" size="12" type="text"/>
<input type="submit" value="Go"/>
>
<input checked="checked" id="nws" name="affiliate" type="radio" value="nws.noaa.gov".</pre>
<label class="search-scope" for="nws">NWS</label>
<input id="noaa" name="affiliate" type="radio" value="noaa.gov"/>
<label class="search-scope" for="noaa">All NOAA</label>
</form>
</div>

class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="http://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://www.nttps://w
```

```
</div>
</div>
</nav>
<div class="contentArea">
<!-- Start Forecastsearch -->
<div class="" id="fcst-search">
<form action="https://forecast.weather.gov/zipcity.php" class="form-inline" id="getForm-inline" id="g
<div id="getfcst-body">
<input class="form-control" id="inputstring" name="inputstring" placeholder="" type=</pre>
<input class="btn btn-default" id="btnSearch" name="btnSearch" type="submit" value="0"</pre>
<div id="txtHelp"><a href="javascript:void(window.open('http://weather.gov/ForecastS</pre>
</div>
<div id="txtError">
<div id="errorNoResults" style="display:none;">Sorry, the location you searched for
<div id="errorMultipleResults" style="display:none">Multiple locations were found. P
<div id="errorChoices" style="display:none"></div>
<input id="btnCloseError" style="display:none" type="button" value="Close"/>
</div>
<div id="getfcst-head">
Your local forecast office is
<h3 id="getfcst-headOffice"></h3>
</div>
</form>
</div>
<!-- end Forecastsearch -->
<link href="/css/topnews.css" rel="stylesheet" type="text/css"/>
<div id="news-items">
<div id="topnews">
<div class="icon"><img src="/images/news-important.jpg"/></div>
<div class="body">
<h1 style="font-size: 11pt;">Heavy Rain and Severe Storm Potential in the East; Rain
>
                        A strong cold front will bring strong to severe thunderstorms and heavy :
                        <a href="http://www.wpc.ncep.noaa.gov/discussions/hpcdiscussions.php?dis-</pre>
</div>
</div>
</div>
<script type="text/javascript">(function ($) { var topnews = $("#topnews"); topnews...)
<script language="javascript">document.title = $('<div/>').html('7-Day Forecast for )
<div id="quickLinks">
<span class="lang-spanish"><a href="http://forecast.weather.gov/MapClick.php?lat=37."</pre>
<div class="addthis_toolbox addthis_default_style addthis-forecast">
<a class="addthis_button_compact" href="http://www.addthis.com/bookmark.php?v=250&am</pre>
<span class="addthis_separator">|</span>
<a class="addthis_button_preferred_1"></a>
<a class="addthis_button_preferred_2"></a>
<a class="addthis_button_preferred_3"></a>
```

```
<a class="addthis_button_preferred_4"></a>
<a class="addthis_button_preferred_5"></a>
</div>
<script type="text/javascript">
            var addthis_config = addthis_config || {data_track_addressbar:true, | }
         $(document).ready(function(){
                   jQuery.ajax({
                         url: "//s7.addthis.com/js/300/addthis_widget.js#asyn
                         dataType: "script",
                         cache: false
                   });
         });
      </script>
</div>
<!-- Current Conditions -->
<div class="panel panel-default" id="current-conditions">
<!-- Current Conditions header row -->
<div class="panel-heading">
<div>
<br/>b>Current conditions at</b>
<h2 class="panel-title">SAN FRANCISCO DOWNTOWN (SFOC1)
<span class="smallTxt"><b>Lat: \(\b\)37.77056\(\re\)Lon: \(\delta<\)</p>122.42694\(\re\)5150
</div>
</div>
<div class="panel-body" id="current-conditions-body">
<!-- Graphic and temperatures -->
<div class="pull-left" id="current_conditions-summary">
NA
67řF
19řC
</div>
<div class="pull-left" id="current_conditions_detail">
<b>Humidity</b>
63%
<b>Wind Speed</b>
NA
<b>Barometer</b>
NA
<b>Dewpoint</b>
54řF (12řC)
```

```
<b>Visibility</b>
NA
<b>Last update</b>
02 Nov 1:43 pm PDT
                                                                                     </div>
<div id="current_conditions_station">
<div class="current-conditions-extra">
<!-- Right hand section -->
<b>More Information:</b><a href="https://www.weather.gov/n">
<!-- /current_conditions_station -->
</div>
<!-- /current-conditions-body -->
</div>
<!-- /Current Conditions -->
</div>
<!-- 7-Day Forecast -->
<div class="panel panel-default" id="seven-day-forecast">
<div class="panel-heading">
<br/>b>Extended Forecast for</b>
<h2 class="panel-title">
                                           San Francisco CA
                                                                                       </h2>
</div>
<div class="panel-body" id="seven-day-forecast-body">
<div id="seven-day-forecast-container">class="list-unstyled" id="seven-day-forecast-container">class="list-un
<div class="tombstone-container">
This<br/>Afternoon
<img alt="This Afternoon: Sunny, with a high near 71. West wind around 13 mph. "</p>
<div class="tombstone-container">
Tonight<br/><br/>
<img alt="Tonight: Mostly clear, with a low around 56. West wind 5 to 11 mph. " of
<div class="tombstone-container">
Saturday<br/><br/>
<img alt="Saturday: Sunny, with a high near 69. West wind 5 to 14 mph, with gusts</p>
<div class="tombstone-container">
Saturday<br/>Night
<img alt="Saturday Night: Increasing clouds, with a low around 55. West southwest</p>
<div class="tombstone-container">
Sunday<br/><br/>
<img alt="Sunday: Mostly sunny, with a high near 68. West wind around 9 mph. " classes."
<div class="tombstone-container">
Sunday<br/>Night
```

```
<img alt="Sunday Night: Partly cloudy, with a low around 56." class="forecast-ico:
<div class="tombstone-container">
Monday<br/><br/>
<img alt="Monday: Mostly sunny, with a high near 68." class="forecast-icon" src=":
<div class="tombstone-container">
Monday<br/>Night
<img alt="Monday Night: Mostly clear, with a low around 55." class="forecast-icon"
<div class="tombstone-container">
Tuesday<br/><br/>
<img alt="Tuesday: Sunny, with a high near 67." class="forecast-icon" src="newimage"
<script type="text/javascript">
// equalize forecast heights
$(function () {
               var maxh = 0;
               $(".forecast-tombstone .short-desc").each(function () {
                              var h = $(this).height();
                               if (h > maxh) { maxh = h; }
               });
               $(".forecast-tombstone .short-desc").height(maxh);
});
</script> </div>
</div>
<!-- Everything between 7-Day Forecast and Footer goes in this row -->
<div class="row" id="floatingDivs">
<!-- Everything on the left-hand side -->
<div class="col-md-7 col-lg-8">
<!-- Detailed Forecast -->
<div class="panel panel-default" id="detailed-forecast">
<div class="panel-heading">
<h2 class="panel-title">Detailed Forecast</h2>
</div>
<div class="panel-body" id="detailed-forecast-body">
<div class="row row-odd row-forecast"><div class="col-sm-2 forecast-label"><b>This A
</div>
<!-- /Detailed Forecast -->
<!-- Additional Forecasts and Information -->
<div class="panel panel-default" id="additional_forecasts">
<div class="panel-heading">
<h2 class="panel-title">Additional Forecasts and Information</h2>
</div>
<div class="panel-body" id="additional-forecasts-body">
<a href="MapClick.php?zoneid=CAZ006">Zone Area Foreca
<!-- First nine-ten links -->
<div id="linkBlockContainer">
<div class="linkBlock">
<a href="http://forecast.weather.gov/product.php?site=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;psite=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&amp;issuedby=MTR&a
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;unit=0&amp;lg=english&amp]</pre>
```

```
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;unit=0&amp;lg=english&am</pre>
</div>
<div class="linkBlock">
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;unit=0&amp;lg=english&am"</pre>
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;unit=0&amp;lg=english&am"</pre>
<!-- <li><a href="afm/PointClick.php?lat=37.7772&lon=-122.4168">Quick Forecast</a></i
</div>
<div class="linkBlock">
<a href="http://weather.gov/aq/probe_aq_data.php?latitude=37.7772&amp;longitude=</pre>
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;FcstType=text&amp;unit=16")</pre>
<a href="http://www.srh.weather.gov/srh/jetstream/webweather/pinpoint_max.htm">A
<a href="http://www.wrh.noaa.gov/forecast/wxtables/index.php?lat=37.7772&amp;long)</pre>
</div>
<!-- /First nine-ten links -->
<!-- Additional links -->
<div class="linkBlock"><a href="http://www.wrh.noaa.go"</pre>
</div> <!-- /linkBlockContainer -->
</div><!-- /additional-forecasts-body-->
</div> <!-- /additional_forecasts -->
</div> <!-- /Everything on the left-hand side -->
<!-- right-side-data -->
<div class="col-md-5 col-lg-4" id="right-side-data">
<div id="mapAndDescriptionArea">
<!-- openlayer map -->
<style>
#custom-search{
display: block;
position: relative;
z-index: 50;
top: 52px;
left: 60px;
#esri-geocoder-search{
display: block;
position: relative;
z-index: 50;
top: 52px;
left: 60px;
}
#emap{
margin-top:15px;
cursor:pointer;
height:370px;
```

```
width:100%;
border: 1px solid #ccc;
border-radius: 3px;
#switch-basemap-container{
#basemap-selection-form ul{
list-style: none;
margin: Opx;
#basemap-selection-form li{
float: left;
.disclaimer{
margin-top:350px;
margin-left: 5px;
z-index: 100;
position: absolute;
text-transform: none;
.esriAttributionLastItem{
text-transform: none;
.esriSimpleSlider div{
height:22px;
line-height:20px;
width:20px;
}
#point-forecast-map-label {
text-align:center;
font-weight:bold;
color:black;
}
@media (max-width: 767px) {
#emap{
margin-top:.5em;
height:270px;
.disclaimer{
margin-top:250px;
}
</style>
<!-- forecast-map -->
<div class="point-forecast-map">
<div class="point-forecast-map-header text-center">
<div id="toolbar">
<div id="switch-basemap-container">
```

```
<div id="basemap-selection-form" title="Choose a Basemap">
<div id="basemap-menu">
<select autocomplete="off" id="basemap-selected" name="basemap-selected" title="Base</pre>
<option value="none">Select Basemap</option>
<option selected="" value="topo">Topographic</option>
<option value="streets">Streets</option>
<option value="satellite">Satellite</option>
<option value="ocean">Ocean</option>
</select>
</div>
</div>
<div id="point-forecast-map-label">
                   Click Map For Forecast
               </div>
</div><!-- //#switch-basemap-container -->
<div style="clear:both;"></div>
</div><!-- //#toolbar -->
</div><!-- //.point-forecast-map-header -->
<div id="emap">
<noscript><center><br/><br/><b>Map function requires Javascript and a compatible bro
<div class="disclaimer"><a href="http://www.weather.gov/disclaimer#esri">Disclaimer
</div><!-- //#emap -->
<div class="point-forecast-map-footer">
<img alt="Map Legend" height="16" src="./images/wtf/maplegend_forecast-area.gif" wid:</pre>
</div><!-- //.point-forecast-map-footer -->
</div> <!-- //.point-forecast-map -->
<!-- //forecast-map -->
<!-- //openlayer map -->
<!-- About this Forecast -->
<div id="about_forecast">
<div class="fullRow">
<div class="left">Point Forecast:</div>
</div>
<div class="fullRow">
<div class="left"><a href="http://www.weather.gov/glossary/index.php?word=Last+update</pre>
<div class="right">1:46 pm PDT Nov 2, 2018</div>
</div>
<div class="fullRow">
<div class="left"><a href="http://www.weather.gov/glossary/index.php?word=forecast+value">
<div class="right">2pm PDT Nov 2, 2018-6pm PST Nov 8, 2018</div>
</div>
<div class="fullRow">
<div class="left">ă</div>
<div class="right"><a href="https://forecast.weather.gov/product.php?site=MTR&amp;is</pre>
<div class="fullRow">
<div class="left">ă</div>
```

```
<div class="right">
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;unit=0&amp;lg=english&amp;Fc</pre>
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;unit=0&amp;lg=english&amp;Fc</pre>
</div>
</div>
</div>
<!-- /About this Forecast -->
</div>
<!--additionalForecast-->
<div class="panel panel-default" id="additionalForecast">
<div class="panel-heading">
<h2 class="panel-title">Additional Resources</h2>
</div>
<div class="panel-body">
<!-- Radar & Satellite Images -->
<div class="subItem" id="radar">
<h4>Radar &amp; Satellite Image</h4>
<a href="http://radar.weather.gov/radar.php?rid=mux&amp;product=NOR&amp;overlay=1110</pre>
<!-- /Radar & Satellite Images -->
<!-- Hourly Weather Forecast -->
<div class="subItem" id="feature">
<h4>Hourly Weather Forecast</h4>
<a href="MapClick.php?lat=37.7772&amp;lon=-122.4168&amp;unit=0&amp;lg=english&amp;Fc</pre>
</div>
<!-- /Hourly Weather Forecast -->
<!-- NDFD -->
<div class="subItem" id="NDFD">
<h4>National Digital Forecast Database</h4>
<div class="one-sixth-first"><a href="http://graphical.weather.gov/sectors/pacsouthwill-
</pre>
<a href="http://graphical.weather.gov/sectors/pacsouthwest.php?element=MaxT">High
<a href="http://graphical.weather.gov/sectors/pacsouthwest.php?element=Wx">Chance
<!-- /NDFD -->
</div>
</div>
<!-- /additionalForecast -->
</div>
<!-- /col-md-4 -->
<!-- /right-side-data -->
<script language="javascript">$( document ).ready(function() { load_openlayers_map('
<!-- /row -->
</img></div>
<!-- /PageFormat-Land -->
</main></body></html>, '\n', <footer>
<div class="sitemap-content row" id="sitemap">
<div class="col-xs-12">
<div class="sitemap-columns">
<div class="sitemap-section">
<div class="panel-heading">
```

```
<a class="sitemap-section-heading" href=" http://www.nws.noaa.gov/climate/">PAST WEA
<button class="menu-toggle pull-right" data-target="#sitemap-1" data-toggle="collapset")</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-1">
<a href=" http://www.nws.noaa.gov/climate/">Past Weather </a>
<a href=" http://www.cpc.ncep.noaa.gov/products/MD_index.shtml">Climate Monitoria
<a href=" http://www.nws.noaa.gov/climate/">Heating/Cooling Days </a>
<a href=" http://www.nws.noaa.gov/climate/">Monthly Temps </a>
<a href=" http://www.nws.noaa.gov/climate/">Records </a>
<a href=" http://aa.usno.navy.mil/">Astronomical Data </a>
<a href="https://www.climate.gov/maps-data/dataset/past-weather-zip-code-data-ta"</pre>
</div>
</div>
<div class="sitemap-section">
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://alerts.weather.gov">ACTIVE ALERTS</a</p>
<button class="menu-toggle pull-right" data-target="#sitemap-2" data-toggle="collaps-</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-2">
<a href=" http://alerts.weather.gov">Warnings By State</a>
<a href=" http://www.wpc.ncep.noaa.gov/ww.shtml">Excessive Rainfall and Winter W
<a href="http://water.weather.gov/ahps/?current_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_type=allorent_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp;current_color=flood&amp
<a href=" http://www.weather.gov">Latest Warnings</a>
<a href=" http://www.spc.noaa.gov/products/outlook/">Thunderstorm/Tornado Outloo
<a href=" http://www.nhc.noaa.gov/">Hurricanes </a>
<a href=" http://www.spc.noaa.gov/products/fire_wx/">Fire Weather Outlooks </a>
<a href=" http://www.cpc.ncep.noaa.gov/products/stratosphere/uv_index/uv_alert.si</pre>
<a href=" http://www.drought.gov/">Drought </a>
<a href="http://www.swpc.noaa.gov/products/alerts-watches-and-warnings">Space We
<a href=" http://www.nws.noaa.gov/nwr/">NOAA Weather Radio </a>
<a href=" http://alerts.weather.gov/">NWS CAP Feeds </a>
</div>
</div>
<div class="sitemap-section">
```

```
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://www.weather.gov/current">CURRENT CON
<button class="menu-toggle pull-right" data-target="#sitemap-3" data-toggle="collaps-</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-3">
<a href=" http://www.weather.gov/Radar">Radar </a>
<a href="http://www.cpc.ncep.noaa.gov/products/monitoring_and_data/">Climate Mon
<a href=" http://water.weather.gov/ahps/">River Levels </a>
<a href=" http://water.weather.gov/precip/">Observed Precipitation </a>
<a href="http://www.nws.noaa.gov/om/osd/portal.shtml">Surface Weather </a>
<a href="http://www.spc.noaa.gov/obswx/maps/">Upper Air </a>
<a href=" http://www.ndbc.noaa.gov/">Marine and Buoy Reports </a>
<a href="http://www.nohrsc.noaa.gov/interactive/html/map.html">Snow Cover </a>////a>//a>//a>//a>//a>
<a href=" http://www.weather.gov/satellite">Satellite </a>
<a href=" http://www.swpc.noaa.gov/">Space Weather </a>
<a href="http://www.weather.gov/pr">International Observations</a>
</div>
</div>
<div class="sitemap-section">
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://weather.gov/forecastmaps">FORECAST
<button class="menu-toggle pull-right" data-target="#sitemap-4" data-toggle="collapset")</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-4">
<a href=" http://www.weather.gov/">Local Forecast </a>
<a href="http://www.weather.gov/pr">International Forecasts</a>
<a href=" http://www.spc.noaa.gov/">Severe Weather </a>
<a href=" http://www.wpc.ncep.noaa.gov/">Current Outlook Maps </a>
<a href="http://www.cpc.ncep.noaa.gov/products/Drought">Drought </a>
<a href="http://www.weather.gov/fire">Fire Weather </a>
<a href=" http://www.wpc.ncep.noaa.gov/">Fronts/Precipitation Maps </a>
<a href=" http://www.nws.noaa.gov/forecasts/graphical/">Current Graphical Forecasts/graphical/">Current Graphical Forecasts/graphical/
<a href="http://water.weather.gov/ahps/forecasts.php">Rivers </a>
<a href=" http://www.nws.noaa.gov/om/marine/home.htm">Marine </a>
<a href="http://www.opc.ncep.noaa.gov/marine_areas.php">Offshore and High Seas//
```

```
<a href=" http://www.nhc.noaa.gov/">Hurricanes </a>
<a href=" http://aviationweather.gov">Aviation Weather </a>
<a href="http://www.cpc.ncep.noaa.gov/products/OUTLOOKS_index.shtml">Climatic Ou
</div>
</div>
<div class="sitemap-section">
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://www.weather.gov/informationcenter">I
<button class="menu-toggle pull-right" data-target="#sitemap-5" data-toggle="collapset")</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-5">
<a href=" http://www.spaceweather.gov">Space Weather </a>
<a href="http://www.weather.gov/briefing/">Daily Briefing </a>
<a href=" http://www.nws.noaa.gov/om/marine/home.htm">Marine </a>
<a href="http://www.nws.noaa.gov/climate">Climate </a>
<a href="http://www.weather.gov/fire">Fire Weather </a>
<a href=" http://www.aviationweather.gov/">Aviation </a>
<a href="http://mag.ncep.noaa.gov/">Forecast Models </a>
<a href="http://water.weather.gov/ahps/">Water </a>
<a href="https://www.weather.gov/gis/">GIS</a>
<a href=" http://www.nws.noaa.gov/om/coop/">Cooperative Observers </a>
<a href="https://www.weather.gov/skywarn/">Storm Spotters </a>
<a href="http://www.tsunami.gov">Tsunami Warning System</a>
<a href="http://water.noaa.gov/">National Water Center</a>
<a href="http://www.weather.gov/pr">International Weather</a>
</div>
</div>
<div class="sitemap-section">
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://weather.gov/safety">WEATHER SAFETY
<button class="menu-toggle pull-right" data-target="#sitemap-6" data-toggle="collaps-</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-6">
<a href="http://www.weather.gov/nwr/">NOAA Weather Radio</a>
```

```
<a href="http://www.weather.gov/stormready/">StormReady</a>
<a href="http://www.nws.noaa.gov/om/heat/index.shtml">Heat </a>
<a href=" http://www.lightningsafety.noaa.gov/">Lightning </a>
<a href=" http://www.nhc.noaa.gov/prepare/">Hurricanes </a>
<a href="http://www.nws.noaa.gov/om/thunderstorm/">Thunderstorms </a>
<a href="https://www.weather.gov/safety/tornado">Tornadoes </a>
<a href=" http://www.ripcurrents.noaa.gov/">Rip Currents </a>
<a href="http://www.floodsafety.noaa.gov/">Floods </a>
<a href="https://www.weather.gov/safety/tsunami">Tsunamis</a>
<a href="https://www.weather.gov/tsunamiready/">TsunamiReady</a>
<a href=" http://www.weather.gov/om/winter/index.shtml">Winter Weather </a>
<a href="http://www.nws.noaa.gov/om/heat/uv.shtml">Ultra Violet Radiation </a>//
<a href=" http://www.weather.gov/airquality/">Air Quality </a>
<a href=" http://www.weather.gov/om/hazstats.shtml">Damage/Fatality/Injury Statis
<a href=" http://www.redcross.org/">Red Cross </a>
<a href=" http://www.fema.gov/">Federal Emergency Management Agency (FEMA) </a>
<a href=" http://www.weather.gov/om/brochures.shtml">Brochures </a>
<a href="http://www.nws.noaa.gov/os/marine/safeboating/">Safe Boating</a>
</div>
</div>
<div class="sitemap-section">
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://weather.gov/news">NEWS</a>
<button class="menu-toggle pull-right" data-target="#sitemap-7" data-toggle="collapset")</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-7">
<a href=" http://weather.gov/news">Newsroom</a>
<a href=" http://weather.gov/socialmedia">Social Media </a>
<a href="http://www.nws.noaa.gov/com/weatherreadynation/calendar.html">Events</a</pre>
<a href=" http://www.weather.gov/om/brochures.shtml">Pubs/Brochures/Booklets </a>
</div>
</div>
<div class="sitemap-section">
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://weather.gov/owlie">EDUCATION</a>
<button class="menu-toggle pull-right" data-target="#sitemap-8" data-toggle="collaps-</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
```

```
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-8">
<a href="http://weather.gov/owlie">NWS Education Home</a>
<a href="http://www.nws.noaa.gov/com/weatherreadynation/force.html">Be A Force or
<a href=" http://www.weather.gov/glossary/">Glossary </a>
<a href="https://www.weather.gov/jetstream/">JetStream </a>
<a href=" http://www.weather.gov/training/">NWS Training Portal </a>
<a href="https://library.noaa.gov/">NOAA Library </a>
<a href="http://weather.gov/owlie">For Students, Parents and Teachers</a>
<a href="http://www.weather.gov/owlie/publication_brochures">Brochures </a>
</div>
</div>
<div class="sitemap-section">
<div class="panel-heading">
<a class="sitemap-section-heading" href="http://weather.gov/about">ABOUT</a>
<button class="menu-toggle pull-right" data-target="#sitemap-9" data-toggle="collapset")</pre>
<span class="sr-only">Toggle menu</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
<div class="sitemap-section-body panel-body collapsable collapse" id="sitemap-9">
<a href="http://weather.gov/organization">Organization </a>
<a href=" http://www.weather.gov/sp/">Strategic Plan </a>
<a href="https://sites.google.com/a/noaa.gov/nws-best-practices/">For NWS Employ
<a href="https://www.weather.gov/international/">International </a>
<a href="http://www.ncep.noaa.gov/">National Centers </a>
<a href=" http://www.weather.gov/tg/">Products and Services </a>
<a href="http://www.weather.gov/careers/">Careers</a>
<a href=" http://www.weather.gov/glossary/">Glossary </a>
<a href="http://weather.gov/contact">Contact Us </a>
</div>
</div>
</div>
</div>
</div>
<!-- legal footer area -->
<div class="footer-legal">
<div class="col-xs-12 col-sm-2 col-md-2" id="footerLogo">
<a href="http://www.usa.gov"><img alt="usa.gov" height="30" src="/css/images/usa_gov</pre>
</div>
```

```
<a href="http://www.noaa.gov">National Oceanic and Atmospheric Administration</a>
        <a href="http://www.weather.gov">National Weather Service</a>
        <a href="http://www.weather.gov/mtr">San Francisco Bay Area, CA</a><br/><br/>
        <div class="col-xs-12 col-sm-3 col-md-3">
        <a href="http://www.weather.gov/disclaimer">Disclaimer</a>
        <a href="http://www.cio.noaa.gov/services_programs/info_quality.html">Information
        <a href="http://www.weather.gov/help">Help</a>
        <a href="http://www.weather.gov/glossary">Glossary</a>
        </div>
        <div class="col-xs-12 col-sm-3 col-md-3">
        <a href="http://www.weather.gov/privacy">Privacy Policy</a>
        <a href="http://www.rdc.noaa.gov/~foia">Freedom of Information Act (FOIA)</a></l>
        <a href="http://www.weather.gov/about">About Us</a>
        <a href="http://www.weather.gov/careers">Career Opportunities</a>
        </div>
        </div>
        </footer>, '\n', '\n', '\n', '\n']
In [43]: seven_day = soup.find(id="seven-day-forecast")
In [46]: forecast_items = seven_day.find all(class_="tombstone-container")
In [47]: print(forecast_items)
[<div class="tombstone-container">
This<br/>Afternoon
<img alt="This Afternoon: Sunny, with a high near 71. West wind around 13 mph. " class="for
Tonight<br/><br/>
<img alt="Tonight: Mostly clear, with a low around 56. West wind 5 to 11 mph. " class="fore"
Saturday<br/><br/>
<img alt="Saturday: Sunny, with a high near 69. West wind 5 to 14 mph, with gusts as high a
Saturday<br/>Night
<img alt="Saturday Night: Increasing clouds, with a low around 55. West southwest wind 8 to
Sunday<br/><br/>
<img alt="Sunday: Mostly sunny, with a high near 68. West wind around 9 mph. " class="forecapter".
Sunday<br/>Night
<img alt="Sunday Night: Partly cloudy, with a low around 56." class="forecast-icon" src="ne
Monday<br/><br/>
<img alt="Monday: Mostly sunny, with a high near 68." class="forecast-icon" src="newimages/10".
Monday<br/>Night
<img alt="Monday Night: Mostly clear, with a low around 55." class="forecast-icon" src="new</p>
```

<div class="col-xs-12 col-sm-4 col-md-4">

<a href="http://www.commerce.gov">US Dept of Commerce</a>

```
Tuesday<br/><br/>
<img alt="Tuesday: Sunny, with a high near 67." class="forecast-icon" src="newimages/medium,
In [48]: tonight = forecast_items[0]
        print(tonight.prettify())
<div class="tombstone-container">
This
 <br/>
 Afternoon
>
 <img alt="This Afternoon: Sunny, with a high near 71. West wind around 13 mph. " class="fore</pre>
Sunny
High: 71 řF
</div>
In [49]: period = tonight.find(class_ = "period-name").get_text()
        short_Desc = tonight.find(class_ = "short-desc").get_text()
        temp = tonight.find(class_ = "temp temp-high").get_text()
        print(period)
        print(short_Desc)
       print(temp)
ThisAfternoon
Sunny
High: 71 řF
In [54]: img = tonight.find('img')
        print(img.prettify())
<img alt="This Afternoon: Sunny, with a high near 71. West wind around 13 mph. " class="foreca"</pre>
In [55]: desc =img['title']
        print(desc)
```

This Afternoon: Sunny, with a high near 71. West wind around 13 mph.

```
In [56]: period_tags = seven_day.select(".tombstone-container .period-name")
         periods = [pt.get_text() for pt in period_tags]
         periods
Out[56]: ['ThisAfternoon',
          'Tonight',
          'Saturday',
          'SaturdayNight',
          'Sunday',
          'SundayNight',
          'Monday',
          'MondayNight',
          'Tuesday']
In [57]: short_descs = [sd.get_text() for sd in seven_day.select(".tombstone-container .short-
         temps = [t.get_text() for t in seven_day.select(".tombstone-container .temp")]
         descs = [d["title"] for d in seven_day.select(".tombstone-container img")]
         print(short_descs)
         print(temps)
         print(descs)
['Sunny', 'Mostly Clear', 'Sunny', 'IncreasingClouds', 'Mostly Sunny', 'Partly Cloudy', 'Mostl
['High: 71 řF', 'Low: 56 řF', 'High: 69 řF', 'Low: 55 řF', 'High: 68 řF', 'Low: 56 řF', 'High:
['This Afternoon: Sunny, with a high near 71. West wind around 13 mph. ', 'Tonight: Mostly clear
In [58]: import pandas as pd
         weather = pd.DataFrame({
                 "period": periods,
                 "short_desc": short_descs,
                 "temp": temps,
                 "desc":descs
             })
         weather
Out [58]:
                   period
                                 short_desc
                                                    temp \
           ThisAfternoon
                                      Sunny High: 71 řF
                               Mostly Clear
                                             Low: 56 řF
         1
                  Tonight
         2
                 Saturday
                                      Sunny High: 69 řF
         3
           SaturdayNight IncreasingClouds
                                             Low: 55 řF
                               Mostly Sunny High: 68 řF
         4
                   Sunday
                              Partly Cloudy
         5
                                             Low: 56 řF
              SundayNight
         6
                   Monday
                               Mostly Sunny High: 68 řF
         7
                               Mostly Clear
                                             Low: 55 řF
              MondayNight
                  Tuesday
                                      Sunny High: 67 řF
                                                          desc
         O This Afternoon: Sunny, with a high near 71. We...
```

```
1 Tonight: Mostly clear, with a low around 56. W...
         2 Saturday: Sunny, with a high near 69. West win...
         3 Saturday Night: Increasing clouds, with a low ...
         4 Sunday: Mostly sunny, with a high near 68. Wes...
         5 Sunday Night: Partly cloudy, with a low around...
                   Monday: Mostly sunny, with a high near 68.
         7 Monday Night: Mostly clear, with a low around 55.
                         Tuesday: Sunny, with a high near 67.
         8
In [59]: temp_nums = weather["temp"].str.extract("(?P<temp_num>\d+)", expand=False)
         weather["temp_num"] = temp_nums.astype('int')
         temp_nums
Out[59]: 0
              71
              56
         2
              69
         3
              55
         4
              68
         5
              56
         6
              68
         7
              55
              67
         Name: temp_num, dtype: object
In [61]: is_night = weather["temp"].str.contains("Low")
         weather["is_night"] = is_night
         is_night
Out[61]: 0
              False
               True
         1
         2
              False
         3
               True
         4
              False
         5
               True
              False
         6
         7
               True
         8
              False
         Name: temp, dtype: bool
In [62]: weather[is_night]
Out [62]:
                                 short_desc
                                                    temp \
                   period
                               Mostly Clear
                  Tonight
         1
                                             Low: 56 řF
           SaturdayNight
                           IncreasingClouds
                                             Low: 55 řF
              SundayNight
                              Partly Cloudy
                                             Low: 56 řF
              MondayNight
                               Mostly Clear Low: 55 řF
                                                          desc temp_num
                                                                          is_night
         1 Tonight: Mostly clear, with a low around 56. W...
                                                                              True
                                                                      56
```

3	Saturday Night: Increasing clouds, with a low	55	True
5	Sunday Night: Partly cloudy, with a low around	56	True
7	Monday Night: Mostly clear, with a low around 55.	55	True