AngularJS **Services**
Services —> forecast.js

```javascript
app.factory('forecast', ['$http', function($http) {
  return $http.get('https://s3.amazonaws.com/codecademy-content/courses/ltp4/forecast-api/forecast.json')
        .success(function(data) {
          return data;
        })
        .error(function(err) {
          return err;
        });
}]);
```

Json:

```json
{
  "city_name": "New York",
  "country": "US",
  "days": [
    {
      "datetime": 1420390800000,
      "icon": "https://s3.amazonaws.com/codecademy-content/courses/ltp4/forecast-api/sun.svg",
      "high": 68,
      "low": 37
    },
    {
      "datetime": 1420477200000,
      "icon": "https://s3.amazonaws.com/codecademy-content/courses/ltp4/forecast-api/clouds.svg",
      "high": 68,
      "low": 37
    },
  ]
}
```

index.html:

```html
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link href="https://s3.amazonaws.com/codecademy-content/projects/bootstrap.min.css" rel="stylesheet" />
    <link href="css/main.css" rel="stylesheet" />
```

```html
<!-- Include the AngularJS library -->
<script src="//ajax.googleapis.com/ajax/libs/angularjs/1.3.5/
angular.min.js"></script>
</head>
<body ng-app="ForecastApp">

  <div class="main" ng-controller="MainController">
    <div class="container">
      <div class="row">
        <div class="col-sm-5 col-sm-offset-7">
          <h1>{{ fiveDay.city_name }}</h1>
          <h2>5-day forecast</h2>
          <div class="forecast" ng-repeat="day in fiveDay.days">
            <div class="day row">

              <!-- datetime -->
              <div class="weekday col-xs-4">
{{ day.datetime | date }}
              </div>


              <!-- icon -->
              <div class="weather col-xs-3">
<img class="icon" ng-src="{{ day.icon }}">
              </div>

              <div class="col-xs-1"> {{day.hight}}</div>


              <!-- high -->
              <div class="high col-xs-2">
{{day.high}}

              </div>


              <!-- low -->
              <div class="low col-xs-2">
{{day.low}}
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
```

```html
    <!-- Modules -->
    <script src="js/app.js"></script>

    <!-- Controllers -->
    <script src="js/controllers/MainController.js"></script>
 <script src="js/services/forecast.js"></script>
    <!-- Services -->



    <!-- Directives -->



  </body>
</html>
```

MainContraller.js

```javascript
app.controller('MainController', ['$scope', 'forecast', function($scope, forecast)
{
 forecast.success(function(data) {
   $scope.fiveDay = data;
  });
}]);
```

- Directives are a way to make standalone UI components, like <app-info>
- Services are a way to make standalone communication logic, like forecast which fetches weather data from a server