



Angular

Events

- ng-blur
- ng-change
- ng-click
- ng-copy
- ng-cut
- ng-dblclick
- ng-focus
- ng-keydown
- ng-keypress

- ng-keyup
- ng-mousedown
- ng-mouseenter
- ng-mouseleave
- ng-mousemove
- ng-mouseover
- ng-mouseup
- ng-paste



ng-mouseover

```
<div ng-app="myApp" ng-controller="myCtrl">
  <h1 ng-mouseover="count = count + 1">Mouse over me!</h1>
  <h2>{{ count }}</h2>
</div>
<script>
var app = angular.module('myApp', []);
app.controller('myCtrl', function($scope) {
  $scope.count = 0;
});
</script>
```



ng-click

```
<div ng-app="myApp" ng-controller="myCtrl">
  <button ng-click="count = count + 1">Click me!</button>
  <p>{{ count }}</p>
</div>
<script>
var app = angular.module('myApp', []);
app.controller('myCtrl', function($scope) {
  $scope.count = 0;
});
</script>
```

ng-click

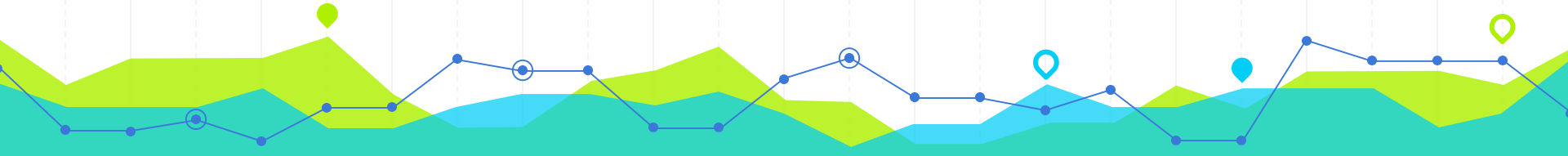
```
<div ng-app="myApp" ng-controller="myCtrl">
  <button ng-click="myFunction()">Click me!</button>
  <p>{{ count }}</p>
</div>
<script>
var app = angular.module('myApp', []);
app.controller('myCtrl', function($scope) {
  $scope.count = 0;
  $scope.myFunction = function() {
    $scope.count++;
  }
});
</script>
```

Form

Input Controls

Input controls are the HTML input elements

- input elements
- select elements
- button elements
- textarea elements



Form

Data-Binding

Input controls provides data-binding by using the ng-model directive.

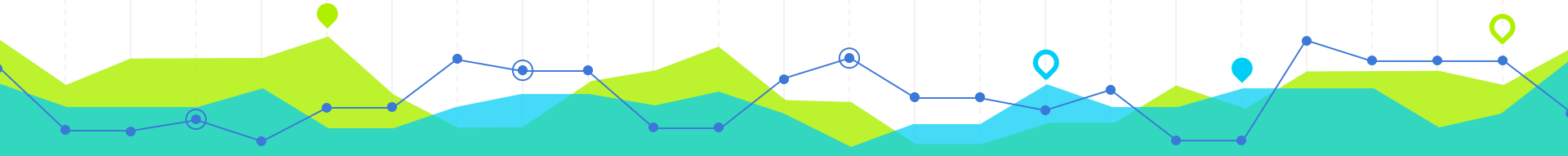
```
<input type="text" ng-model="firstname">
```



Form

Textarea

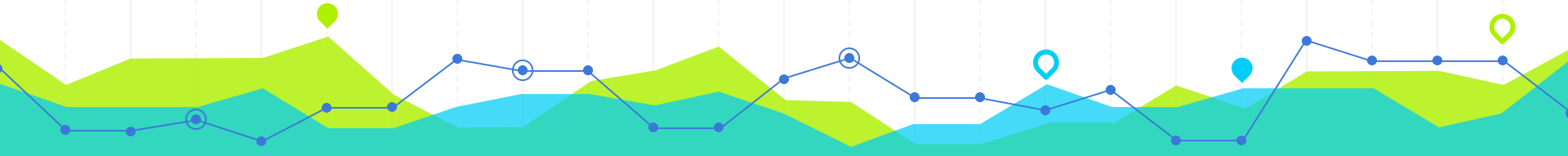
```
<form>  
  <textarea ng-model="myVar"></textarea>  
</form>
```



Form

Checkbox

```
<form>  
  Check to show a header:  
  <input type="checkbox" ng-model="myVar">  
</form>
```



Form

Radiobuttons

```
<form>
  <input type="radio" ng-model="myVar" value="dogs">Dogs
  <input type="radio" ng-model="myVar" value="tuts">Tutorials
  <input type="radio" ng-model="myVar" value="cars">Cars
</form>
```



Form

Selectbox

```
<form>  
  Select a topic:  
  <select ng-model="myVar">  
    <option value="">  
    <option value="dogs">Dogs  
    <option value="tuts">Tutorials  
    <option value="cars">Cars  
  </select>  
</form>
```

Form

ng-submit

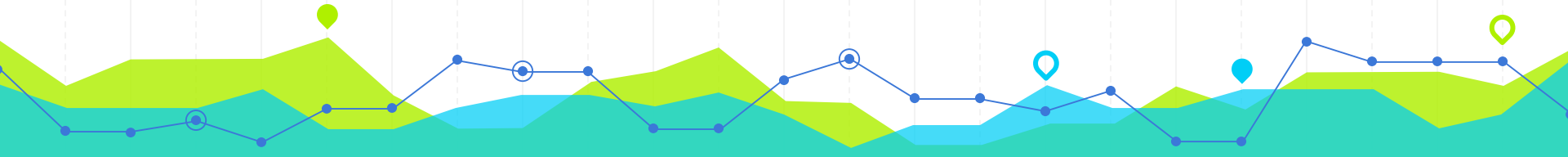
```
<form ng-submit="function/condition">  
</form>
```



Lab 1

Review Restaurant

- Firstname
- Lastname
- E-mail
- Star
- Comment



Form Validate

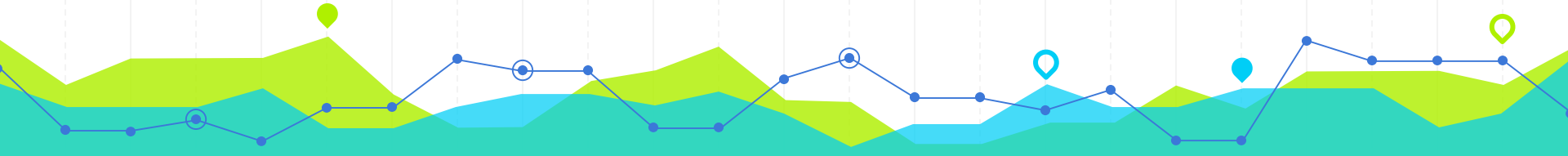
State of Form Control

- Pristine
- Dirty
- Valid
- Invalid



Form Validate

```
<form name="form" ng-submit="submit()" novalidate>
```



Form Validate

Validity

- \$valid
- \$invalid
- \$error

```
<form name="form" ng-submit="form.$valid && submit()" novalidate>
```


Form Validate

Required Input

```
<input ng-model="..." type="text" required/>  
<input ng-model="..." type="checkbox" required/>
```

```
<input class="ng-invalid-required" ng-model="..." type="text" required/>
```

```
    <option/></option/>  
</select>
```



Form Validate

ng-required

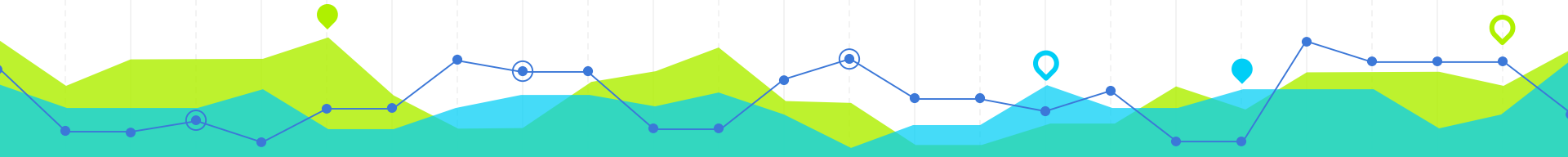
```
<input ng-model="..." type="text" ng-required="condition/function">
```



Form Validate

ng-disabled

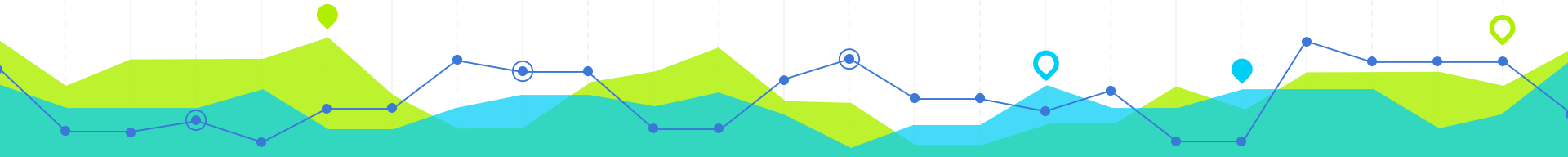
```
<input ng-model="..." type="text" ng-disabled="condition/function">
```



Form Validate

ng-minLength

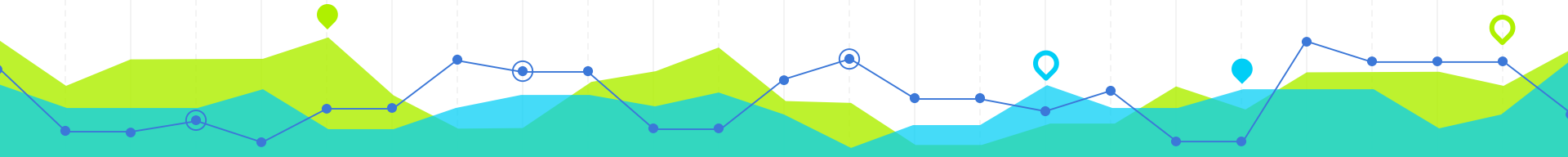
```
<input ng-model="..." type="text" ng-minlength="3">
```



Form Validate

ng-maxLength

```
<input ng-model="..." type="text" ng-maxlength="10">
```

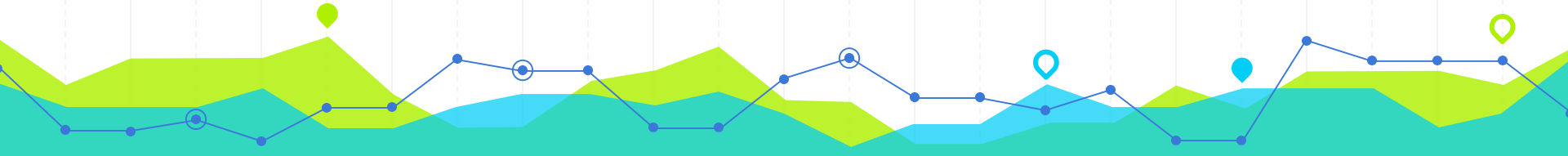


Form Validate

ng-pattern

```
<input ng-model="..." type="text" ng-pattern="/regexp/">
```

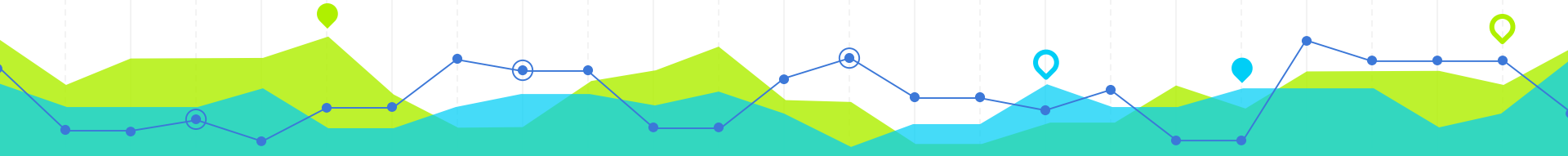
https://www.w3schools.com/jsref/jsref_obj_regexp.asp



Lab 2

Review Restaurant with validate

- Firstname * rq , min : 3 , max : 10
- Lastname * rq , min : 3 , max : 10
- E-mail * rq
- Star * rq
- Comment



Lab 3

Design wireframe Japan Order food online

- One page
- Calculate Summary price Order and update Qty



Lab 4

Build with Angular

- One page
- Calculate Summary price Order and update Qty

<https://getbootstrap.com/docs/3.3/getting-started/>

