Greetings everyone!!!

In this video we will look at building forms in Angular 6.

In the end you will be familiar with different kinds of input fields such as;

Text boxes, check boxes, radio buttons and drop down lists.

You will be able to display validation errors next to our input fields and disable the submit button, if the form is not valid.

I thought it is best to have to have bootstrap, so that we will have a nicer looking UI for our template forms in our application.

So let’s generate a component

|  |
| --- |
| ng g c job-application-form |

**Open job-application-form.html**

Now let’s go to job-application.html and get rid of all the mark up here.

Inside this form, let’s add few input fields, in fact I already got the code for building this entire job application form.

You can find the source code in the video description below.

<div class="container">

  <h3 id="branding" class="text-center">Be a part of our amazing team</h3>

  <div class="row">

    <div class="col-md-12 order-md-1">

      <form class="needs-validation">

        <div class="row">

<div class="col-md-6 mb-2">

            <label for="firstName">First name</label>

<input type="text" class="form-control" id="firstName" placeholder="" value="" required>

</div>

<div class="col-md-6 mb-2">

<label for="lastName">Last name</label>

<input type="text" class="form-control" id="lastName" placeholder="" value="" required>

</div>

</div>

<div class="row">

<div class="col-md-12 mb-1">

<label for="email">EMail<span>\*</span></label>

<input type="text" class="form-control" id="email" placeholder="" value="" required>

</div>

</div>

<div class="row">

<div class="col-md-12 mb-1">

<label for="jobPosition">What position are you applying for<span>\*</span></label>

<select class="form-control" id="jobPosition">

<option></option>

<option>Awesome Position 1</option>

<option>Awesome Position 2</option>

<option>Awesome Position 3</option>

<option>Awesome Position 4</option>

<option>Awesome Position 5</option>

</select>

</div>

</div>

<div class="row">

<div class="col-md-12 mb-1">

<label for="availableStartDate">Available Start Date<span>\*</span></label>

<div class="input-group mb-2">

<input type="text"

class="form-control"

id="inlineFormInputGroup"

placeholder=""

ngbDatepicker

#d="ngbDatepicker"

(dateSelect)="onDateSelect($event)"

(click)="d.toggle()">

<div class="input-group-append">

<button

class="btn btn-outline-secondary calendar"

(click)="d.toggle()"

type="button"></button>

</div>

</div>

</div>

</div>

<div class="row">

<div class="col-md-12">

<label>What is your current employement status</label>

</div>

<div class="col-md-2 mb-1">

<div class="form-check">

<input class="form-check-input" type="checkbox" value="" id="invalidCheck2" required>

<label class="form-check-label" for="invalidCheck2">

Employed

</label>

</div>

</div>

<div class="col-md-2 mb-1">

<div class="form-check">

<input class="form-check-input" type="checkbox" value="" id="invalidCheck2" required>

<label class="form-check-label" for="invalidCheck2">

Un Employed

</label>

</div>

</div>

<div class="col-md-2 mb-1">

<div class="form-check">

<input class="form-check-input" type="checkbox" value="" id="invalidCheck2" required>

<label class="form-check-label" for="invalidCheck2">

Self employed

</label>

</div>

</div>

<div class="col-md-2 mb-1">

<div class="form-check">

<input class="form-check-input" type="checkbox" value="" id="invalidCheck2" required>

<label class="form-check-label" for="invalidCheck2">

Student

</label>

</div>

</div>

</div>

<div class="col-md-12">

<button type="submit" class="btn btn-primary">Submit</button> </div>

</form>

</div>

</div>

</div>

To make certain parts of our form to work, we need install bootstrap for angular that is ng-bootstrap and bootstrap for styling.

In the terminal:

|  |
| --- |
| npm i --save @ng-bootstrap/ng-bootstrap  npm i --save bootstrap |

And add bootstrap style to our application CSS that is style.scss

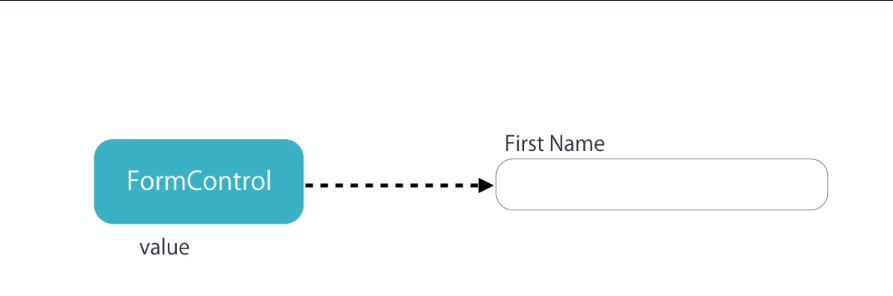
@import "~bootstrap/dist/css/bootstrap.css";

Now if you notice, we didn’t include “action” attribute and we used responsive layout for our form, so when the screen size or viewport shrinks down.

Our form elements will stack accordingly, where as in a normal desktop, the form elements will be inline, at least the ones that we wanted to be.

**Types of forms or Validation**

As you can see, we have built this simple job application form, now we need to add a validation to our form.



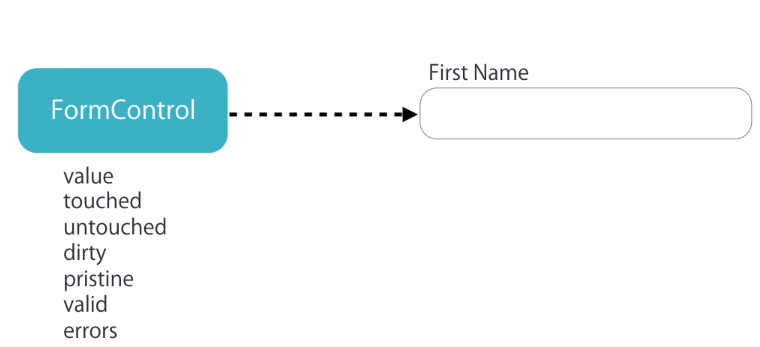
In Angular 6, we have a class called form control. For each form control, we need to create an instance of that control class.

Using that control class, we can check the current value stored in an input field.

Apart from checking the current value, we can see if our input field is touched, untouched, dirty (which means the value is changed), pristine (whether it’s value is not changed), is it valid? and any errors?

In order to add validation to our form, we need to create a FormGroup object for that form and FormControl object for that form.

So that we can keep track of each input field.



There is another class similar to FormControl class it is called FormGroup.

This FormGroup represents a group of controls. Good thing is, all the properties of FormControl class is also available for FormGroup class.

