import { JsonPipe } from '@angular/common';

import { Component, OnInit } from '@angular/core';

import { FormControl, FormGroup, FormBuilder, NgForm, Validators } from '@angular/forms';

@Component({

  selector: 'app-reactive-form',

  templateUrl: './reactive-form.component.html',

  styleUrls: ['./reactive-form.component.css']

})

export class ReactiveFormComponent implements OnInit {

  signUpForm :  FormGroup;

  FirstName : string="";

  LastName : string="";

  Email : string ="";

  Password : string ="";

  submitted = false;

  constructor(private  fb : FormBuilder)

  {

     this.signUpForm = fb.group({

      FirstName : new FormControl('', [Validators.required, Validators.minLength(10)]),

      LastName : new FormControl('', [Validators.required]),

        Email : new FormControl(''),

        Password : new FormControl('')

   });

  }

   SubmitData(signUpForm: any)

   {

    this.submitted = true;

    if (this.signUpForm.invalid) {

      return;

    }

    else

    {

      alert('SUCCESS!! :-)\n\n' + JSON.stringify(this.signUpForm.value));

    console.log("submitted");

    console.log(signUpForm.controls.FirstName.value);

    var user = JSON.stringify(this.signUpForm.value);

   }

   }

  ngOnInit(): void {

  }

}

<div class="container">

  <form [formGroup] = 'signUpForm' (ngSubmit)="SubmitData(signUpForm)">

    <div>

     <label for="FirstName"> Enter First Name </label>

     <input type="text" id="FirstName" name="FirstName" formControlName='FirstName' required>

     <div \*ngIf="submitted && signUpForm.controls['FirstName'].errors">

      <div \*ngIf="signUpForm.controls['FirstName'].hasError('required')">

       Title is required</div>

       <div \*ngIf="signUpForm.controls['FirstName'].hasError('minlength')">

        minlength is required</div>

    </div>

  </div>

    <div>

      <label for="LastName"> Enter Last Name </label>

      <input type="text" id="LastName" name="LastName" formControlName='LastName'>

      <div \*ngIf="submitted && signUpForm.controls['LastName'].errors">

        <div \*ngIf="signUpForm.controls['FirstName'].hasError('required')">

         Last Name is required</div>

      </div>

     </div>

     <div>

      <label for="Email"> Enter Email </label>

      <input type="text" id="Email" name="Email" formControlName='Email'>

     </div>

     <div>

      <label for="Password"> Enter Email </label>

      <input type="text" id="Password" name="Password" formControlName='Password'>

     </div>

    <button type="submit"> Register </button>

  </form>

</div>