Angular Reactive Form Validation Exercise

Prerequisite

1. Completed Angular Reactive Form Exercise (include Additional Exercise).

Exercise

1. Add getter for empForm in app.component.ts

get f() { return this.empForm.controls; }

1. Add Validator.required for field “name”

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

1. Add required error message for field "Name"

<div class="form-group">

    <h2>Personal Information</h2>

    <label>

      Name:

      <input type="text" formControlName="name" placeholder="required" />

    </label>

    <div [hidden]="!f.name.errors || !f.name.touched" class="alert alert-danger">

      Name is required

    </div>

  </div>

  <div class="form-group">

1. Create custom validator – “forbiddenNameValidator” for field “name”

  forbiddenNameValidator(forbiddenName: string): ValidatorFn {

    return (control: AbstractControl): {[key: string]: any} | null => {

      return control.value === forbiddenName ? { forbiddenName: {value: control.value}} : null;

    };

  }

1. Add Forbidden Name error message

    <label>

      Name:

      <input type="text" formControlName="name" placeholder="required" />

    </label>

    <div [hidden]="!f.name.errors?.required || !f.name.touched" class="alert alert-danger">

      Name is required

    </div>

    <div [hidden]="!f.name.errors?.forbiddenName" class="alert alert-danger">

      Name Forbidden

    </div>

Additional Exercise

1. Add validation(Malaysia phone Number) for field “phoneNumber”
2. Add a “email” field with required validator and email
3. Add a “Hobby” form array field (just like workExp, allow user to add field and remove field
4. Apply below validation rules for all hobby fields.
   1. must not start with number
   2. must start with a upper case character
   3. must not be “Sleep”, “Laugh”, “Cry” (both upper and lower case)