

Angular2 show all form group validation errors

Asked 2 years, 4 months ago Active 1 year, 6 months ago Viewed 7k times

▲ I am building a deep nested form with Angular2 and FormGroup, currently I have a form such as in a parent controller:

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```
this.orderForm = this.fb.group({  
  customerSelectForm: this.fb.group({ // create nested formgroup to pass to child  
    selectTypeahead: ['',  
                        Validators.required],  
  })  
})
```

Then in a child component I have:

```
<div class="form-group" [formGroup]="customerSelectForm" *ngIf="customerSelectForm">  
  <label for="oh-custaccount">Customer Account #</label>  
  
  <input class="form-control" type="text"  
    formControlName="selectTypeahead"  
    (focusout)=someFunction() />  
  
  <p *ngIf="customerSelectForm.controls.selectTypeahead.errors?.required">  
    Number required!</p>  
</div>
```

Now this child template works fine, and renders an error on screen if there is no input inside the text box. I then back in the parent controller have a submit button:

```
<button type="submit" class=" btn btn-success"  
[disabled]="orderForm?.invalid">Submit</button>
```

Again, this works as expected, and only is enabled after an input is registered in the selectTypeahead input.

Now due to the large nature of this form, I want to have a display next to the submit button, that lists all form elements, which are

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```
{{orderForm.errors}}
```

But this stayed as "null" even when my form was invalid, how would I list all inputs from orderForm that have currently not passed/matched their corresponding validation rules?



angular2-forms

asked May 23 '17 at 13:28



crooksey

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take a look at this link it removes all the code from the html and places it in the ts files github.com/rahulrsingh09/AngularConcepts/blob/master/src/app/... – Rahul Singh May 23 '17 at 13:53

Yea, so basically I need to subscribe to the form, when its changed, force all data through a validation, return errors to each component, then I can also return all errors as one to the template as a summary? – crooksey May 23 '17 at 14:05

1 I have decided to create a service, each component will connect to an observable there, if an input has a validation failure, it will report to this service, then I can subscribe to its result and view all current errors, will post a working plunker soon, – crooksey May 23 '17 at 16:00

1 If {{orderForm.errors}} says null when it's invalid you have some other issue. – Chrillewoodz May 25 '17 at 19:33

Thanks, I now know the root form errors property is now related to the actual form layout itself, other than validation errors. – crooksey May 26 '17 at 7:19

1 Answer



I think you have to recursively visit the descendants controls of your form to obtain all errors.

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```
getAllErrors(form: FormGroup | FormArray): { [key: string]: any; } | null {  
  let hasError = false;  
  const result = Object.keys(form.controls).reduce((acc, key) => {  
    const control = form.get(key);  
    const errors = (control instanceof FormGroup || control instanceof FormArray)  
      ? this.getAllErrors(control)
```

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```
        hasError = true;
    }
    return acc;
  }, {} as { [key: string]: any; });
  return hasError ? result : null;
}
```

Then in your template

```
<!--
  NOTE: This is just for displaying the result of the method
  You should replace the `

```
<code>` with whatever your snippet is like
-->
<pre><code>{{ getAllErrors(orderForm) | json }}</code></pre>
```


```

edited Apr 3 '18 at 15:04



Edric

10.3k

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answered Nov 6 '17 at 9:32



kimamula

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1 Added code to make it work with FormArrays. – [RMorrissey](#) Jan 26 '18 at 21:14

Perfect! Works great. Thanks – [mc01](#) Apr 16 '18 at 22:20
