

Angular 5 solely validation on blur?

[Ask Question](#)

Asked 1 year, 7 months ago · Active 4 months ago · Viewed 9k times



6



I wonder if it is possible to have the validation in reactive forms on blur. At the moment you can set `updateOn: "blur"` but then the values of the input fields won't update on input. In my case i need the values to be updated on every keystroke because I do calculations with it and show the result to the user. The validation should only happen on blur.

thx.

EDIT:

I use FormBuilder, some build in validators and some custom validators. Example code:

```
let formToMake = {
  purpose: [null, Validators.required],
  registrationDate: this.fb.group({
    day: [null, Validators.required],
    month: [null, Validators.required],
    year: [null, Validators.required]
  }),
  isTruth: [null, Validators.compose([checkIfTrue, Validators.required])]
};
```

If i would use the blur event i need to do all my validation manually, which i think is not a good way.

[javascript](#)
[angular](#)
[angular5](#)
[angular-validation](#)

share improve this question

edited Jul 15 at 6:45



Kamil Naja

2,830 ● 3 ● 15 ● 27

asked Apr 30 '18 at 15:11



timfrans

151 ● 1 ● 6

add a comment

3 Answers

[active](#)
[oldest](#)
[votes](#)


9



What I eventually have done:

Using reactive forms:

TS

this is the form to make. I needed the productCost and loanAmount to be validated on blur but the values itself needed to update onchange. If you set `updateOn: "blur"` the validation happens after the blur event but als the values will update after the blur event.

```
let formToMake = {
  productCost: new FormControl(null, {validators: Validators.required, updateOn: "blur"}),
  loanAmount: new FormControl(null, {validators: Validators.compose([Validators.required,
  loanLength: new FormControl(49, {validators: Validators.required, updateOn: "change"})
};
```

handleInput method:

Blog

Preventing the Top Security Weaknesses Found in Stack Overflow Code Snippets

Podcast: A Conversation with the Author of Black Software

Featured on Meta

Feedback post: Moderator review and reinstatement processes

Upvotes on questions will now be worth the same as upvotes on answers

We're lowering the close/reopen vote threshold from 5 to 3 for good



CONNECTIVE

Reactive Programming @ Scale

CONNECTIVE is a thin layer on top of RxJS providing API and abstractions more suitable for large-scale reactive projects.



contribute on github

Remote jobs

Senior Front-End Engineer (Remote)

SystemOne · No office location

REMOTE

javascript node.js

Experienced TYPO3 Developer (m/w/d) - REMOTE

signundsinn GmbH · No office location

REMOTE

html mysql

Senior Angular Developer (Remote)

X-Team · No office location

REMOTE

javascript angular

to solve this I just made an event handler which will be called on the input event.

TS

```
handleInput(e: any) {  
    this.loanAmount = e;  
}
```

HTML

```
<input class="form__input" type="number" value="{{loanForm.get('loanAmount').value}}" id="loan
```

share improve this answer

answered May 3 '18 at 8:15



timfrans

151 • 1 • 6

add a comment



updateOn is only a property accessor method. Input HTML tag has a event bind named blur could used for that convenience.

0

URL to official doc. <https://angular.io/guide/user-input#on-blur>



share improve this answer

answered Apr 30 '18 at 15:33



Antonio de la mata

169 • 5

Yes but then I have to validate manually right? Currently I configure the validators with FormBuilder: let formToMake = { productCost: [null, Validators.required], loanAmount: [null, Validators.compose([Validators.required, Validators.min(2500)])], loanLength: [49, Validators.required] } - timfrans May 2 '18 at 7:45

You could use a markAsTouched() for each form control method forcing the validations!, looping the form.controls object property. - Antonio de la mata May 4 '18 at 7:37

add a comment



I believe that you're looking for ng-binding on the Angular element. For example, you can bind to the keystrokes and blur like this for the input field:

0

```
<input type="text" (blur)="validate()" (keypress)="eventHandler($event)">
```

```
eventHandler(event) {  
    console.log(event, event.keyCode, event.keyIdentifier);  
    // Update value of string on every keystroke  
}
```

```
validate() {  
    // Validation code goes here  
}
```

You could also use ngModel and then you wouldn't have to worry about the keystroke at all because the string would automatically be updated for you. It would look something like this:

```
<input [(ngModel)]="name" (blur)="validate()">
```

```
name: string;
```

```
validate() {  
    // Validation code goes here  
}
```

javascript angular

Software Engineer - Applications

Favorite Medium • Kuala Lumpur, Malaysia

REMOTE

angular html

Web Developer (m/w/d) Shopware - REMOTE

signundsinn GmbH • No office location

REMOTE

javascript html

View more jobs on Stack Overflow

Linked

15 How to make form model update on blur in angular 2

Related

2318 Validate decimal numbers in JavaScript - IsNumeric()

4112 How to validate an email address in JavaScript

1057 (Built-in) way in JavaScript to check if a string is a valid number

24 Validate number of days in a given month

1064 What is the difference between angular-route and angular-ui-router?

758 Angular HTML binding

573 Huge number of files generated for every Angular project

7 Update form values both on blur and submit in Angular

1 Angular custom Validator checkbox

0 Angular 7 + Ngx-Bootstrap How to validating date?

Hot Network Questions

Mirrors on both bars

Most general definition of differentiation

Why impeachment now?

Template not provided using create-react-app

Can I use a gasket maker instead of a gasket for a lawn mower engine?

Is there a way to add salted hashing to my user authentication without breaking my former login server

Can two moons have intersecting orbits yet be guaranteed not to collide?

Home

PUBLIC

Stack Overflow

Tags

Users

Jobs

TEAMS

What's this?

First 25 Users Free

Home

PUBLIC

Stack Overflow

Tags

Users

Jobs

TEAMS

What's this?

}

Since you're looking at using the Reactive Forms Module and their validation, you could do something like this:

Template Approach

```
<input [(ngModel)]="lastname" [ngModelOptions]="{ updateOn: 'blur' }">
```

The ngModel binding will change the input on every keystroke so you don't have to do it manually. I would really suggest taking this approach since this is what you're currently asking to do.

Reactive Forms Approach

```
this.nameForm = new FormGroup ({
  firstname: new FormControl('', {
    validators: Validators.required,
    updateOn: 'submit'
  }),
  lastname: new FormControl('', {
    validators: Validators.required,
    updateOn: 'submit'
  })
});
```

References: [SO Approach](#) [Medium Article](#)

share improve this answer

edited May 2 '18 at 12:42

answered Apr 30 '18 at 15:22



mclem
108 • 7

Yes but then I have to validate manually right? Currently I configure the validators with FormBuilder: let formToMake = { productCost: [null, Validators.required], loanAmount: [null, Validators.compose([Validators.required, Validators.min(2500)])], loanLength: [49, Validators.required] } - timfrans May 2 '18 at 7:42 ✓

I updated the answer, see if that helps you out. - mclem May 2 '18 at 12:26

add a comment

Your Answer

B *I* [Link](#) [Quote](#) [Code](#) [Image](#) [List](#) [Table](#) [Text](#) [Undo](#) [Redo](#)

Sign up or [log in](#)

Sign up using Google

Post as a guest

Name

Can socialism and capitalism coexist in the same country?

Is there any reason a person would voluntarily choose to have PMI?

"Don't invest now because the market is high"

Simplify & Reduce steps in the IsDistinct function

How does an immortal vampire king hide his vampirism and immortality?

A way to run console commands in menu bar?

Prefix all commands in shell

When can "qui" mean "how"?

Grabbing values between quotation marks

Schemes/ Mechanisms that could provide one time decryption?

Is the use of ellipsis (...) dismissive or rude?

Flatten data to display it using lightning datatable in LWC

Prospective employer asking for my current pay slip during interview

Is it academically dishonest to submit the same project to two different classes in the same semester?

Why do airlines usually ask you how much purchase you have made?


How do I report players in Halo: The Master Chief Collection on PC?

Did the computer mouse always output relative x/y and not absolute?

Question feed

Home

PUBLIC

 Stack Overflow

Tags

Users


Jobs

TEAMS

What's this?

 First 25 Users Free

 Sign up using Facebook

 Sign up using Email and Password

Post Your Answer

By clicking "Post Your Answer", you agree to our [terms of service](#), [privacy policy](#) and [cookie policy](#)

Not the answer you're looking for? Browse other questions tagged

javascript

 angular

angular5

[angular-validation](#) or [ask your own question](#).

Email

Required, but never shown



STACK OVERFLOW

Questions

Jobs

Developer Jobs Directory

Salary Calculator

Help

Mobile

PRODUCTS

Teams

Talent

Advertising

Enterprise

COMPANY

About

Press


Work Here


Legal


Privacy Policy

Contact Us

STACK EXCHANGE NETWORK

Technology 

Life / Arts 

Culture / Recreation 

Science 

Other 

[Blog](#) [Facebook](#) [Twitter](#) [LinkedIn](#)

site design / logo © 2019 Stack Exchange Inc; user contributions
licensed under cc by-sa 4.0 with attribution required

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#). 