

Angular 2 FormBuilder disable fields on checkbox select

Asked 2 years, 3 months ago Active 7 months ago Viewed 20k times

I have build angular cli project and have a form with checkbox. Some of the fields must disable on checkbox select.

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Form is as follows

need to disable/enable password, new password and re type password fields on checkbox select event.

Html

```
<form [formGroup]="userProfileForm" (ngSubmit)="submitForm(userProfileForm.value)">
  <div class="row">
    <div class="col">
      <div class="form-group">
        <label> {{ 'USER_PROFILE_MODEL.USER_NAME' | translate }}</label>
        <input class="form-control" type="text"
          [formControl]="userProfileForm.controls['userName']">
```

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```

        <input class="form-control" type="text"
[formControl]="userProfileForm.controls['displayName']">
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.EMAIL' | translate }}</label>
        <input class="form-control" type="text"
[formControl]="userProfileForm.controls['email']">
    </div>
</div>
<div class="col">
    <div class="form-group ">
        <label class="checkbox-inline">
            <input type="checkbox" value="isResetPassword" name="isResetPassword"
[formControl]="userProfileForm.controls['isResetPassword']">
            {{ 'USER_PROFILE_MODEL.RESET_PASSWORD' | translate }}
        </label>
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.PASSWORD' | translate }}</label>
        <input class="form-control" type="password"
[formControl]="userProfileForm.controls['password']">
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.NEW_PASSWORD' | translate }}</label>
        <input class="form-control" type="password"
[formControl]="userProfileForm.controls['newPassword']">
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.RE_TYPE_PASSWORD' | translate }}</label>
        <input class="form-control" type="password"
[formControl]="userProfileForm.controls['reTypePassword']">
    </div>

</div>

</div>
</form>

```

ts code

```

this.isResetPassword = true;
this.userProfileForm = formBuilder.group({
  'userName': [null, [Validators.required]],
  'displayName': [null],

```

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```

        value: null,
        disabled: this.isResetPassword
    }],
    'newPassword': [{
        value: null,
        disabled: this.isResetPassword
    }],
    'reTypePassword': [{
        value: null,
        disabled: this.isResetPassword
    }]
  })
})

```

Form has built inside the constructor. How can I disable/enable the above fields on check box select.

javascript

 angular

angular2-forms

edited Jul 7 '17 at 12:51



William Hampshire

3,559 3 21 38

asked Jul 7 '17 at 11:14



Janith Widarshana

1,354 2 23 40

As per above answers use `formControlName`. On click event on checkbox call one eventhandler in which toggle value of `isResetPassword` and then add below statement. `userProfileForm.updateValueAndValidity()`; – Prathmesh Dali Jul 7 '17 at 22:10

5 Answers

At first, I believe that you want to *enable* fields if and only if `isResetPassword` *checkbox* is selected, right? If so, here we go:

20 1 - The construction of the form should be like this:

```

this.userProfileForm = this.formBuilder.group({
  // ...
  password: [{
    value: null,
    disabled: !this.isResetPassword
  }],

```

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```

    ]],
    reTypePassword: [{
      value: null,
      disabled: !this.isResetPassword
    }]
  });

```

Note that here I'm disabling inputs only when `this.isResetPassword` is false.

2 - To detect changes on your `<input type="checkbox">`, you can use either `(change)` in **template**:

```

<label>
  <input
    type="checkbox"
    [formControl]="userProfileForm.controls['isResetPassword']"
    (change)="handleChange($event)">
    {{ 'USER_PROFILE_MODEL.RESET_PASSWORD' | translate }}
</label>

```

... or even, in **component**, using `valueChanges` :

```

this.userProfileForm.get('isResetPassword').valueChanges.subscribe(value =>
  this.handleChange(value));

```

And, of course, here's the `function` to manipulate the state of fields.

```

handleChange(value: boolean): void {
  const passwordCtrl = this.userProfileForm.get('password');
  const newPasswordCtrl = this.userProfileForm.get('newPassword');
  const reTypePasswordCtrl = this.userProfileForm.get('reTypePassword');

  if (value) {
    passwordCtrl.enable();
    newPasswordCtrl.enable();
    reTypePasswordCtrl.enable();
  } else {
    passwordCtrl.disable();
    newPasswordCtrl.disable();
    reTypePasswordCtrl.disable();
  }
}

```

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Some tips:

1 - Although it's only a matter of preference, it's worth to mention that you don't need to use `[formControl]` like this:

```
[formControl]="userProfileForm.controls['isResetPassword']"
```

Instead, you can simply use `formControlName` :

```
formControlName="isResetPassword"
```

Note that you can do the same for all your *controls*.

2 - You don't need to pass the *form value* in `(ngSubmit)` since you've already the reference of `userProfileForm` in `form` .

Instead of:

```
(ngSubmit)="submitForm(userProfileForm.value)"
submitForm(value: any) { console.log(value); }
```

This:

```
(ngSubmit)="submitForm()"
submitForm() { console.log(this.userProfileForm.value); }
```

3 - If you want to see the `value` of disabled inputs, instead of `.value` , you should use `.getRawValue()` , like this:

```
this.userProfileForm.getRawValue();
```

[DEMO \(using `.\(change\)` \)](#)

[DEMO \(using `valueChanges` \)](#)

edited Oct 14 2019 at 0:07

answered Oct 7 2019 at 0:14

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The easiest way would be to create a form group just for the passwords:

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```
this.userProfileForm = FormBuilder.group({
  'userName': [null, [Validators.required]],
  'displayName': [null],
  'email': [null, [Validators.required]],
  password: FormBuilder.group({
    'isResetPassword': this.isResetPassword,
    'password': [null],
    'newPassword': [null],
    'reTypePassword': [null]
  })
})
```

Then on your template change the passwords col to this:

```
<div class="col" formGroupName="password">
  <div class="form-group ">
    <label class="checkbox-inline">
      <input type="checkbox" formControlName="isResetPassword">
      {{ 'USER_PROFILE_MODEL.RESET_PASSWORD' | translate }}
    </label>
  </div>
  <div class="form-group ">
    <label>{{ 'USER_PROFILE_MODEL.PASSWORD' | translate }}</label>
    <input class="form-control" type="password" formControlName="password" >
  </div>
  <div class="form-group ">
    <label>{{ 'USER_PROFILE_MODEL.NEW_PASSWORD' | translate }}</label>
    <input class="form-control" type="password" formControlName="newPassword">
  </div>
  <div class="form-group ">
    <label>{{ 'USER_PROFILE_MODEL.RE_TYPE_PASSWORD' | translate }}</label>
    <input class="form-control" type="password" formControlName="reTypePassword">
  </div>
</div>
```

on your component:

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```
// to enable them back
this.userProfileForm.controls.password.enable();
```

answered Jul 7 '17 at 11:45



Fabio Antunes

16.2k 12 61 88

Most of the methods on this post works but you need to do it with a `setTimeout` :

2

```
setTimeout(() => {
  if (this.disable) {
    this.userProfileForm.controls.password.disable();
  }
  else {
    this.userProfileForm.controls.password.enable();
  }
});
```

Looks like an Angular bug, issues [here](#) and [here](#)

answered Feb 27 at 8:58



ranbuch

880 10 9

Instead of using `[formControl]` for your controls in the template, use `formControlName` .

0

Your form will look like this:

```
<form [formGroup]="userProfileForm" (ngSubmit)="submitForm(userProfileForm.value)">
  <div class="row">
    <div class="col">
      <div class="form-group">
        <label> {{ 'USER_PROFILE_MODEL.USER_NAME' | translate }}</label>
        <input class="form-control" type="text" formControlName="userName">
```

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```

        <input class="form-control" type="text" formControlName="displayName">
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.EMAIL' | translate }}</label>
        <input class="form-control" type="text" formControlName="email">
    </div>
</div>
<div class="col">
    <div class="form-group ">
        <label class="checkbox-inline">
            <input type="checkbox" value="isResetPassword" name="isResetPassword"
formControlName="isResetPassword">
            {{ 'USER_PROFILE_MODEL.RESET_PASSWORD' | translate }}
        </label>
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.PASSWORD' | translate }}</label>
        <input class="form-control" type="password" formControlName="password"
[attr.disabled]="userProfileForm.value.isResetPassword?'':null">
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.NEW_PASSWORD' | translate }}</label>
        <input class="form-control" type="password"
formControlName="newPassword"
[attr.disabled]="userProfileForm.value.isResetPassword?'':null">
    </div>
    <div class="form-group ">
        <label>{{ 'USER_PROFILE_MODEL.RE_TYPE_PASSWORD' | translate }}</label>
        <input class="form-control" type="password"
formControlName="reTypePassword"
[attr.disabled]="userProfileForm.value.isResetPassword?'':null">
    </div>

</div>

</div>
</form>

```

And you have to define your form like this:

```

this.userProfileForm = FormBuilder.group({
  'userName': [null, [Validators.required]],
  'displayName': [null],
  'email': [null, [Validators.required]],

```

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```
'reTypePassword': [null]
  })
```

edited Jul 7 '17 at 11:47

answered Jul 7 '17 at 11:38



ADreNaLiNe-DJ

3,589 3 13 30

You need to write a callback on click of checkbox like (click)="checkBoxClicked()" and in component define callback function as follows

-1

```
checkBoxClicked() {
  if(!this.userProfileForm.controls.isResetPassword.value) {
    this.userProfileForm.controls.password.disable();
    this.userProfileForm.controls.newPassword.disable();
    this.userProfileForm.controls.reTypePassword.disable();
  }else {
    this.userProfileForm.controls.password.enable();
    this.userProfileForm.controls.newPassword.enable();
    this.userProfileForm.controls.reTypePassword.enable();
  }
}
```

answered Jul 7 '17 at 11:29



Wasif Khan

830 6 22