Angular 2 FormBuilder disable fields on checkbox select

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



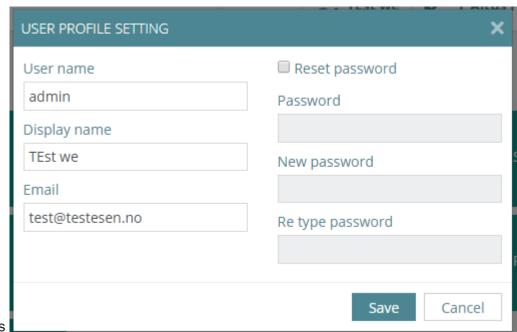
I have build angular cli project and have a form with checkbox. Some of the fields must disable on checkbox select.











Form is as follows

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

Html

```
<input class="form-control" type="text"</pre>
 [formControl]="userProfileForm.controls['displayName']">
             </div>
             <div class="form-group ">
                 <label>{{ 'USER PROFILE MODEL.EMAIL' | translate }}</label>
                 <input class="form-control" type="text"</pre>
 [formControl]="userProfileForm.controls['email']">
             </div>
         </div>
         <div class="col">
             <div class="form-group ">
                 <label class="checkbox-inline">
                 <input type="checkbox" value="isResetPassword" name="isResetPassword"</pre>
 [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"</pre>
 [formControl]="userProfileForm.controls['password']">
             </div>
             <div class="form-group ">
                 <label>{{ 'USER PROFILE MODEL.NEW PASSWORD' | translate }}</label>
                 <input class="form-control" type="password"</pre>
 [formControl]="userProfileForm.controls['newPassword']">
             </div>
             <div class="form-group ">
                 <label>{{ 'USER PROFILE MODEL.RE TYPE PASSWORD' | translate }}</label>
                 <input class="form-control" type="password"</pre>
 [formControl]="userProfileForm.controls['reTypePassword']">
             </div>
         </div>
     </div>
 </form>
ts code
 this.isResetPassword = true;
 this.userProfileForm = formBuilder.group({
     'userName': [null, [Validators.required]],
     'displayName': [null],
```

```
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.





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

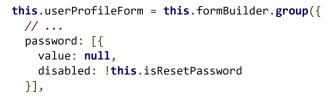


At first, I believe that you want to enable fields if and only if isResetPassword checkbox is selected, right? If so, here we go:

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





<label>

```
}],
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:

```
<input</pre>
     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();
```

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)



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



```
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:

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

answered Jul 7 '17 at 11:45



Fabio Antunes
16.2k 12 61 8



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





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

0

Your form will look like this:



```
<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"</pre>
 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"</pre>
 [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"</pre>
 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"</pre>
 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]],
```

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

edited Jul 7 '17 at 11:47

answered Jul 7 '17 at 11:38





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();
    this.userProfileForm.controls.reTypePassword.enable();
}
```

answered Jul 7 '17 at 11:29

