

TASK (18/06/24): TAKE 6 FIELDS AND APPLY VALIDATIONS TO EACH FIELD

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File Edit Selection View Go Run Terminal Help ← → P027
views.py u forms.py u X dj success.html u
FormValidations > FormValidationsApp > forms.py > StudentForm
1 from django import forms
2
3 class StudentForm(forms.Form):
4     name=forms.CharField()
5     phone=forms.IntegerField()
6     email=forms.EmailField()
7     adhar_number=forms.IntegerField()
8     address=forms.CharField(widget=forms.Textarea,max_length=30,help_text='maximun 30 char')
9     upload_cv=forms.FileField(required=False)
10    password=forms.CharField(widget=forms.PasswordInput)
11
12    # validations logic for name
13    def clean_name(self):
14        name=self.cleaned_data['name']
15        if len(name)>=2 and len(name)<=16 and name.isalpha():
16            return name
17        else:
18            raise forms.ValidationError('Name length must be 2 to 16 charachter long')
19
20    # Validation logic for phone number
21    def clean_phone(self):
22        phone = self.cleaned_data['phone']
23        phone_str = str(phone)
24        if len(phone_str) == 10 and phone_str.isdigit():
25            return phone
26        else:
27            raise forms.ValidationError('Phone number must be 10 digits long')
28
29    # Validation logic for email
30    def clean_email(self):
31        email=self.cleaned_data['email']
32        email_lower=email.lower()
33        return email_lower
34
35    #Validation logic for adhar_number
36    def clean_adhar_number(self):
37        adhar_number=self.cleaned_data['adhar_number']
38        adhar_str=str(adhar_number)
39        if len(adhar_str)==12 and adhar_str.isdigit():
40            return adhar_number
41        else:
42            raise forms.ValidationError('Adhar number must be 12 digits long')
43
44    # Validation logic for address
45    def clean_address(self):
46        address = self.cleaned_data['address']
47        if len(address) <= 30:
48            return address
49        else:
50            raise forms.ValidationError('Address length must not exceed 30 characters')
51
52    # validations logic for upload_cv
53    # validations logic for password
```

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File Edit Selection View Go Run Terminal Help
views.py U forms.py U dj success.html U
FormValidations > FormValidationsApp > views.py > student_view
1 from django.shortcuts import render
2 from .forms import StudentForm
3
4 # Create your views here.
5 def student_view(request):
6     if request.method=="POST":
7         form=StudentForm(request.POST)
8         data_valid=False
9         if form.is_valid():
10             name=form.cleaned_data['name']
11             phone=form.cleaned_data['phone']
12             email=form.cleaned_data['email']
13             adhar_number=form.cleaned_data['adhar_number']
14             address=form.cleaned_data['address']
15             upload_cv=form.cleaned_data['upload_cv']
16             password=form.cleaned_data['password']
17             data_valid=True
18             d={'data_valid':data_valid}
19             return render(request,'FormValidationsApp/success.html',d)
20         else:
21             d={'form':form}
22             return render(request,'FormValidationsApp/success.html',d)
23     else:
24         form=StudentForm()
25         d={'form':form}
26         return render(request,'FormValidationsApp/form.html',d)
27
```

```
File Edit Selection View Go Run Terminal Help
views.py U forms.py U dj form.html U X
FormValidations > templates > FormValidationsApp > dj form.html
1 </doctype html>
2 <html lang="en">
3 <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title>Form Validations</title>
7     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
8         integrity="sha384-QwTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh8JMhJ6hW+ALEwIH" crossorigin="anonymous">
9 </head>
10 <body>
11     <div class="container mt-3" align="center">
12         <form action="" method="POST">
13             {% csrf_token %}
14             <table>
15                 | {{ form.as_table }}
16             </table>
17             <tr>
18                 <td><input type="reset" value="reset"></td>
19                 <td><input type="submit" value="submit"></td>
20             </tr>
21         </form>
22     </div>
23
24     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
25         integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHZ" crossorigin="anonymous"></script>
26 </body>
27 </html>
```

```
File Edit Selection View Go Run Terminal Help P027
views.py U forms.py U dj success.html U X
FormValidations > templates > FormValidationsApp > dj success.html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="utf-8" />
5 <meta name="viewport" content="width=device-width, initial-scale=1" />
6 <title>Form Validations</title>
7 <link
8 href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
9 rel="stylesheet"
10 integrity="sha384-QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
11 crossorigin="anonymous"
12 />
13 </head>
14 <body>
15 <div class="container mt-2" align="center">
16 {% if data_valid %}
17 <h3>All the form fields are valid</h3>
18 {% else %}
19 <h3>All the form fields are not valid</h3>
20 {% endif %}
21 </div>
22
23 <script
24 src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
25 integrity="sha384-YvpcrYf0tY3lHB60MNkmXc5s9fDVZLEsAA55NDz0xhy9GkcIdslK1eN7N6jIeHz"
26 crossorigin="anonymous"
27 ></script>
28 </body>
29 </html>
30
```

So here I have taken 5 digit for adhar number but it should be 12 digit . so it will not valid.

Form Validations

127.0.0.1:8000/FormValidationsApp/form/

Name:

Phone:

Email:

Adhar number:

Address:

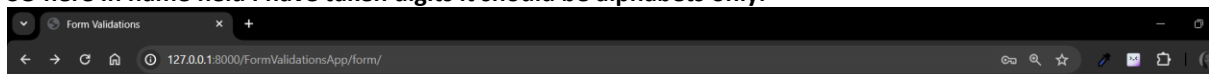
Upload cv: No file chosen

Password:



All the form fields are not valid

SO here In name field I have taken digits it should be alphabets only.



Name: 3456

Phone: 7657053698

Email: iampritirekha@gmail.com

Adhar number: 436578563456

Address: at/po-piripur, Block-Bhandari

Upload cv: Choose File No file chosen

Password:

reset submit



All the form fields are not valid

So here in phone filed I have taken 7 digits it should be 10 digits.

Form Validations

127.0.0.1:8000/FormValidationsApp/form/

Name: Pritirekha

Phone: 7657053

Email: iampritiirekha@gmail.com

Adhar number: 436578563456

Address: at/po-giripur, Block-Bhandari

maximun 30 char

Upload cv: Choose File No file chosen

Password:

reset submit

Form Validations

127.0.0.1:8000/FormValidationsApp/form/

All the form fields are not valid

VALIDATIONS SUCCESS:

Form Validations

127.0.0.1:8000/FormValidationsApp/form/

Name: Pritirekha

Phone: 7657053698

Email: iampritiirekha@gmail.com

Adhar number: 679856346754

Address: at/po-piripur, Block-Bhandari

maximun 30 char

Upload cv: Choose File No file chosen

Password:

reset submit

Form Validations

127.0.0.1:8000/FormValidationsApp/form/

All the form fields are valid