Django Forms

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Did you finish **Django-Forms** pre-class material?
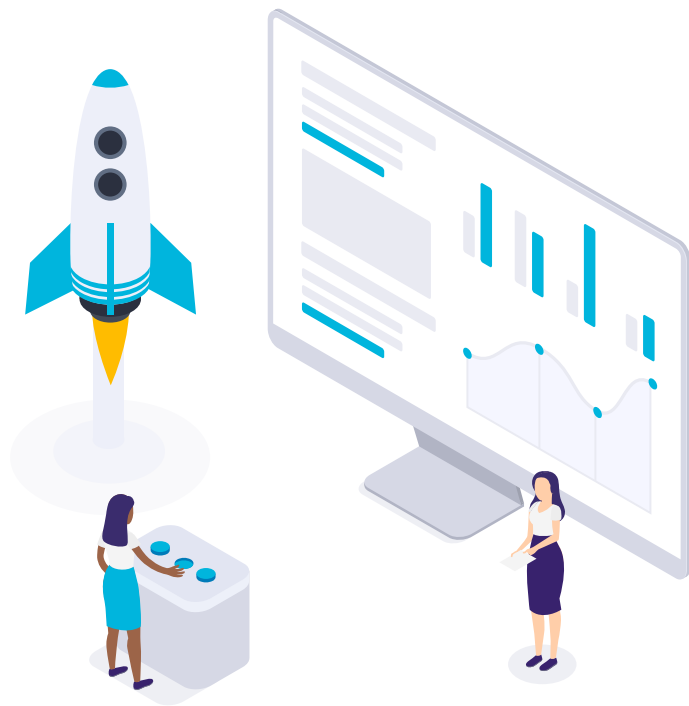
1 HTML Forms

HTML Forms

- Submission to a server

- Collection of elements inside `<form></form>` tags.

- At least one input element of `type="submit"`.

- **action:** The resource/URL where to send the form-data when the form is submitted.

- **method:** The HTTP method used to send the data: POST or GET

```html
<body>
  <form action="/send_to_this_url/" method="">
    <label for="id_firstname">Firstname:</label>
    <input id="id_firstname" type="text" name="firstname"> <br>
    <label for="id_lastname">Lastname:</label>
    <input id="id_lastname" type="text" name="lastname"> <br>
    <input type="submit" value="OK">
  </form>
</body>
```

← → C ⓘ 127.0.0.1:8000/fscohort/tmp/

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Firstname: [   ]
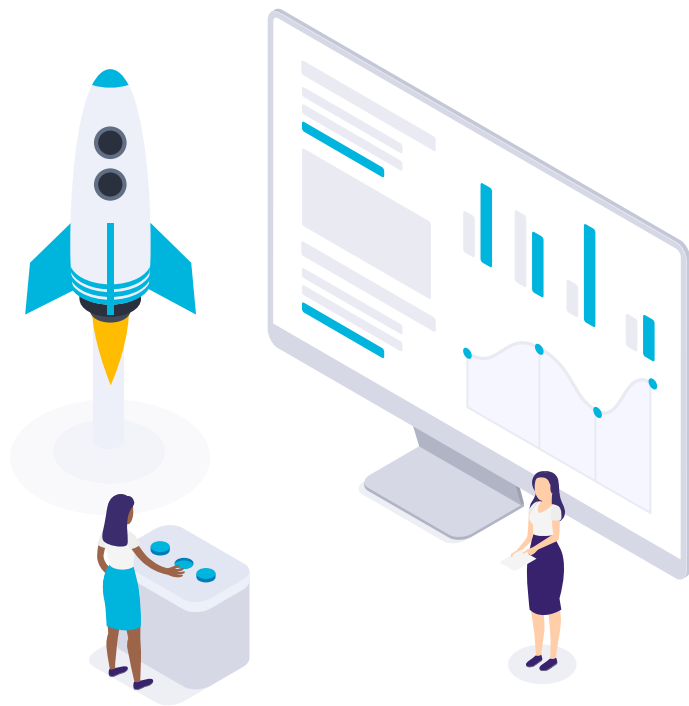Lastname: [   ]
OK

CLARUSWAY
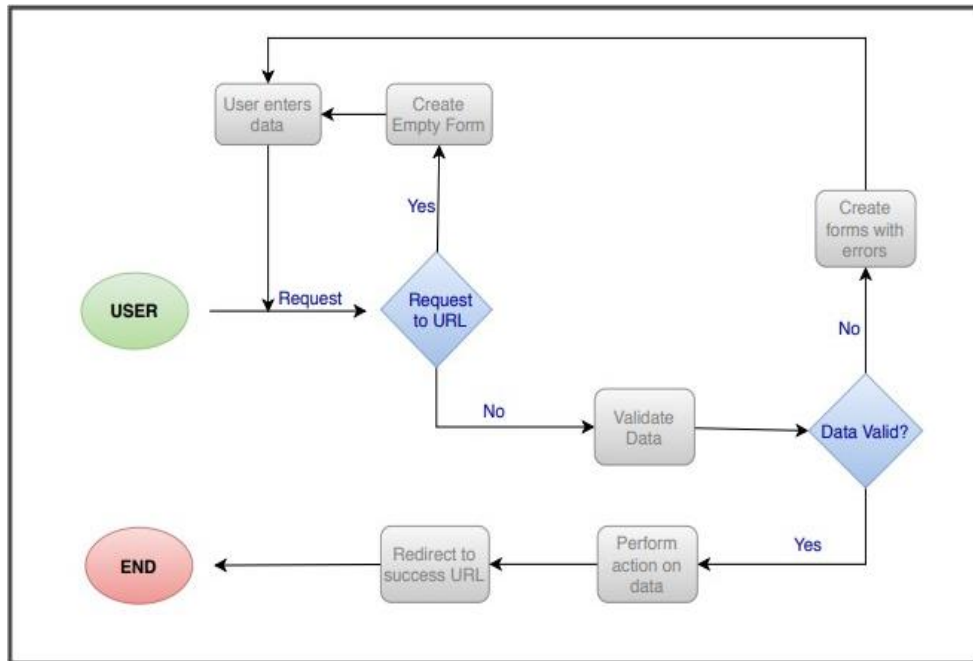WAY TO REINVENT YOURSELF
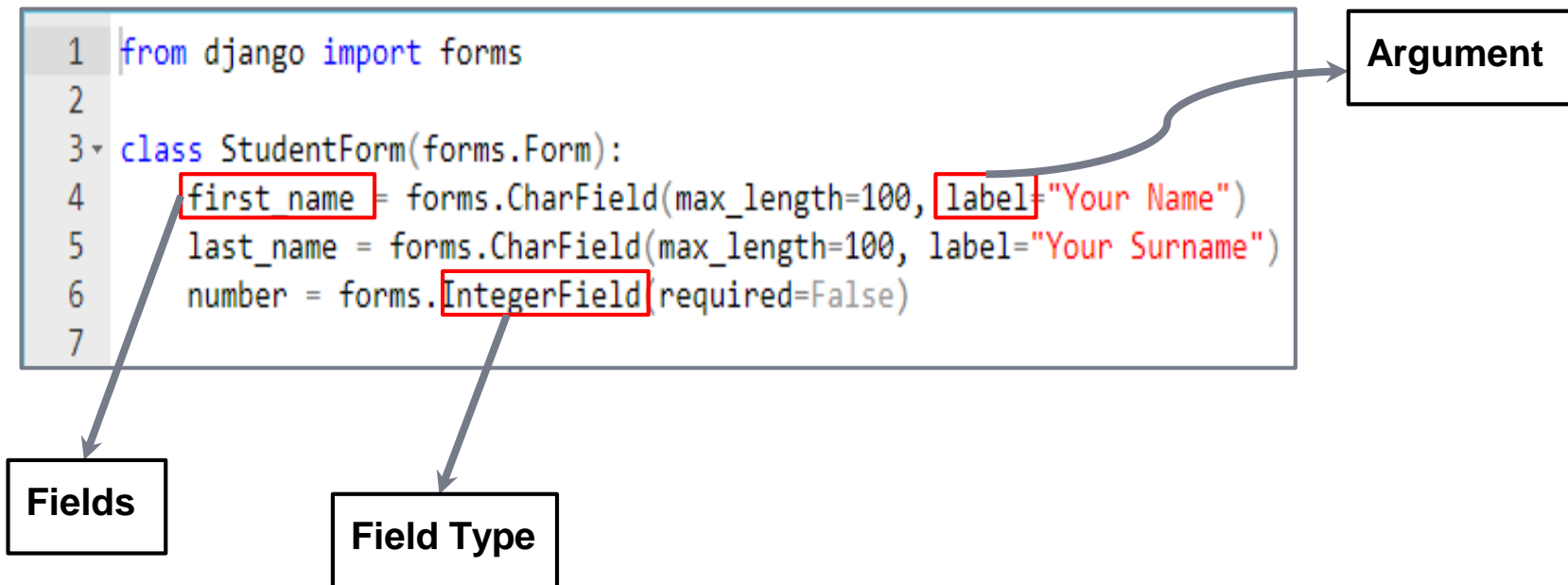
2 Django Forms

Django Forms

- preparing and restructuring data to make it ready for rendering

- creating HTML forms for the data

- receiving and processing submitted forms and data from the client

Django Forms

- ## Form Class

```
1  from django import forms
2
3  class StudentForm(forms.Form):
4      first_name = forms.CharField(max_length=100, label="Your Name")
5      last_name = forms.CharField(max_length=100, label="Your Surname")
6      number = forms.IntegerField(required=False)
7
```

Argument

Fields

Field Type

Django Forms

- ModelForms

```
1  from django import forms
2  from .models import Student
3
4  class StudentForm(forms.ModelForm):
5      class Meta:
6          model = Student
7          fields = ["first_name", "last_name", "number"]
8
```

Model Name

model fields to render on the form.
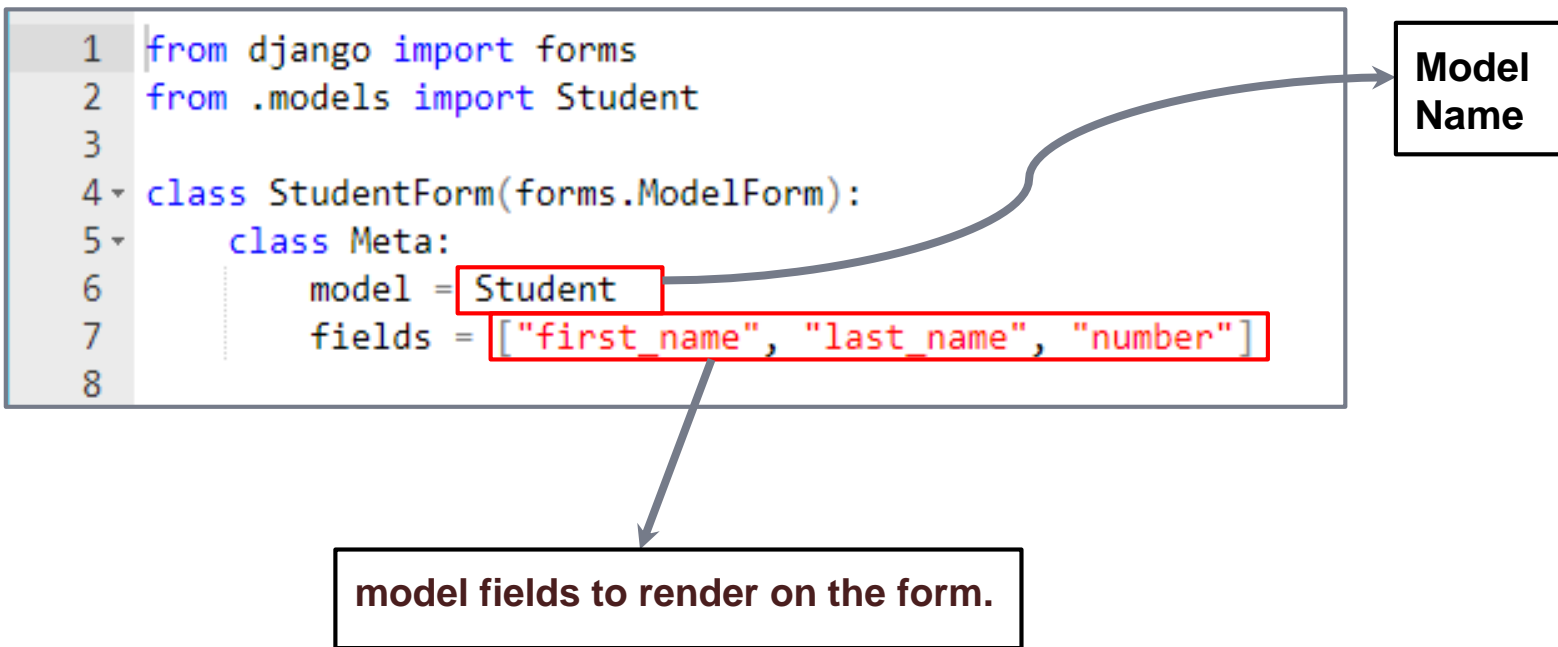
THANKS!

Any questions?

```python
from django.db import models
from orders.models import Order


class Sale(models.Model):
    order = models.ForeignKey(Order, on_delete=models.CASCADE)
    amount = models.PositiveIntegerField(blank=True, null=True)

    def __str__(self):
        return str(self.amount)
```