

Client is sending the first request:

-->What information required for future purpose, sever will decide, with that information, server will create cookie and it should be handover to the client.

Response will be send to the client.

-->Server will add cookie to the response then automatically cookies will be reached to the client.

cookies--->per server and per browser

from chrome--->facebook, gmail

sessionproject2

D:\Django_20MAR_7PM>django-admin startproject sessionproject2

D:\Django_20MAR_7PM>cd sessionproject2

D:\Django_20MAR_7PM\sessionproject2>py manage.py startapp testapp

-->Add app in settings.py

-->makemigrations and migrate.

- **forms.py**

```
from django import forms
```

```
class LoginForm(forms.Form):
```

```
    name = forms.CharField()
```

- **views.py**

```
from testapp.forms import LoginForm
```

```
def home_view(request):
```

```
    form = LoginForm()
```

```
    return render(request,'testapp/home.html',{'form':form})
```

- **home.html**

```
<body>

  <h1>Welcome To Naresh IT</h1>

  <form action="">

    {{form.as_p}}

    {% csrf_token %}

    <input type="submit" name="" value="Enter Name">

  </form>

</body>
```

- **urls.py**

```
path('home/',views.home_view)
```

- **views.py**

```
def date_time(request):

    name = request.GET['name']

    response = render(request,'testapp/datetime.html',{'name':name})

    response.set_cookie('name',name)

    return response
```

- **datetime.html**

```
<body>

  <h1>Hello {{name}}</h1>

  <a href="#">Click Here To Get The Date and Time</a>

</body>
```

- **urls.py**

```
path('second/',views.date_time)
```

- **home.html**

```
<form action="/second">
```

- **views.py**

```
import datetime
```

```
def result_view(request):
```

```
    name = request.COOKIES.get('name')
```

```
    date_time = datetime.datetime.now()
```

```
    return
```

```
render(request, 'testapp/results.html', {'name': name, 'date_time': date_time})
```

- **results.html**

```
<body>
```

```
    <h1>Hello {{name}}</h1>
```

```
    <h1>Current Date and Time:{{date_time}}</h1>
```

```
    <a href="/results">Click here to updated time</a>
```

```
</body>
```

- **urls.py**

```
path('results/', views.result_view),
```

- **datetime.html, results.html**

```
<a href="/results">Click Here To Get The Date and Time</a>
```

```
<a href="/results">Click here to updated time</a>
```

Flow:

http://127.0.0.1:8000/home/

-->home.html will be displayed.

-->If we submit then request will go to the url-pattern:/second which is associated with views.date_time

-->This view function sends datetime.html as response and in that response name cookie added for the future purpose.

Session Project-3:

```
D:\Django_20MAR_7PM>django-admin startproject sessionproject3
```

```
D:\Django_20MAR_7PM>cd sessionproject3
```

```
D:\Django_20MAR_7PM\sessionproject3>py manage.py startapp testapp
```

-->Add app in settings.py

-->Makemigrations and migrate

- **views.py**

```
def home_view(request):
```

```
    return render(request,'testapp/home.html')
```

- **home.html**

```
<body>
```

```
    <h1>Welcome To NAresh IT</h1>
```

```
    <form action="">
```

```
        Enter Name:<input type="text" name="name" value=""><br><br>
```

```
        <input type="submit" name="" value="Submit Name">
```

```
    </form>
```

```
</body>
```

- **urls.py**

```
path('home/',views.home_view)
```

- **views.py**

```
def age_view(request):
```

```
    print(request.COOKIES)
```

```
    username = request.GET['name']
```

```
response = render(request,'testapp/age.html',{'name':username})
```

```
response.set_cookie('name',username)
```

```
return response
```

- **age.html**

```
<body>
```

```
<h1>Hello {{name}}</h1>
```

```
Enter Age:<input type="text" name="" value=""><br><br>
```

```
<input type="submit" name="" value="Submit Age">
```

```
</body>
```

- **urls.py**

```
path('age/',views.age_view)
```

- **home.html**

```
<form action="/age">
```