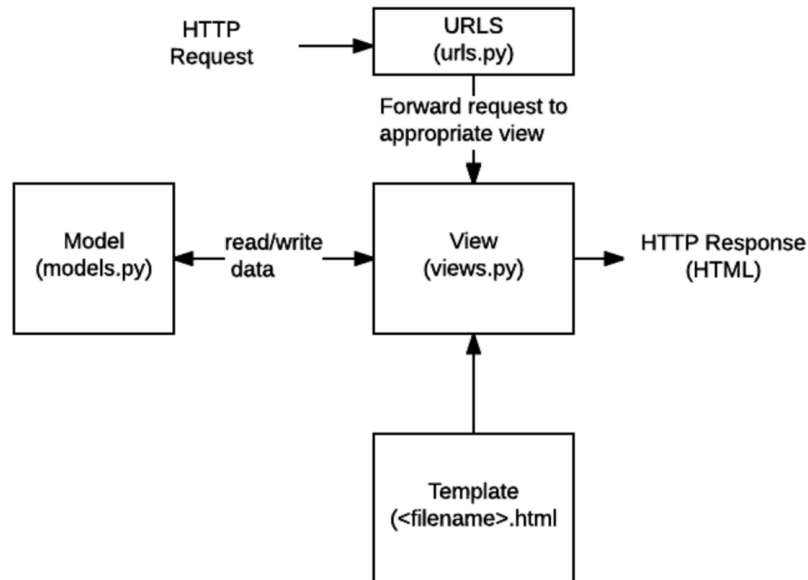# Django testing

1. **Install Django and Channels:**

    ● pip3 install django
    ● pip3 install channels==3.0.4
    ● pip3 install --upgrade pip

2. **Create a new Django project:**

    ● django-admin startproject django_app
    ● cd django_app

3. **Create a new Django app:**

    ● python manage.py startapp myapp

4. **Create a basic view:**

    In myapp/views.py, add the following content:

```
from django.http import HttpResponse

def index(request):
    return HttpResponse("Basic server startup!")
```

5. **Configure URLs:**

In django_app/urls.py, modify it to include the app's URLs:

```
from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('myapp.urls')),
]
```

6. **App url:**

Create a new file myapp/urls.py and add:

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.index, name='index'),
]
```

6. **Update list of allowed hosts**
   - Open the settings.py file in your project directory (django_app/django_app/settings.py).
   - Find the ALLOWED_HOSTS setting and update it like this:
   - ALLOWED_HOSTS = ['192.168.100.123', 'localhost', '127.0.0.1']

7. **Run the server:**
python manage.py runserver 192.168.100.123:8000 ← this should be your PC's IP address