

1) Create App

first step → Create app

```
$ python manage.py startapp APP_NAME
```

second step → Register it in settings.py

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.sessions',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'APP_NAME',  
]
```

2) Writing Views(Request Handler)

```
def say_hello(request):  
    return HttpResponse('Hello World')
```

3) Mapping Urls To Views

First in playground app create urls.py:

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

```
urlpatterns = [  
    path('hello/', views.say_hello)  
]
```

Second in main folder of project add path to playground urls.py:

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

```
    path('playground/', include('playground.urls'))
]
```

4) Using templates(Real View)

First create templates folder and in the templates folder create hello.html file:

```
<html>
  <body>
    {% if name %}
    <h1>Hello {{ name }}</h1>
    {% else %}
    <h1>Hello World</h1>
    {% endif %}
  </body>
</html>
```

second in views.py in playground app:

```
def say_hello(request):
    return render(request, 'hello.html', {'name': 'Mosh'})
```

5) Using Django Debug Toolbar

First → install the debug package:

```
$ pipenv install django-debug-toolbar
```

Second → add it to install app and middleware in settings.py

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.sessions',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'playground',
    'debug_toolbar',
]
```

```
MIDDLEWARE = [  
    'debug_toolbar.middleware.DebugToolbarMiddleware',  
    'django.middleware.security.SecurityMiddleware',  
    'django.contrib.sessions.middleware.SessionMiddleware',  
    'django.middleware.common.CommonMiddleware',  
    'django.middleware.csrf.CsrfViewMiddleware',  
    'django.contrib.auth.middleware.AuthenticationMiddleware',  
    'django.contrib.messages.middleware.MessageMiddleware',  
    'django.middleware.clickjacking.XFrameOptionsMiddleware',  
]
```

Third → add a path to urls.py

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

Forth → add internal ip in settings.py

```
INTERNAL_IPS = [  
    '127.0.0.1',  
]
```

Fifth → create a valid html file with html, head and body tag