## Creating a Simple Web Page



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### Overview



Create a Django app

Add a view function

Assign a URL to the view function

Run and view the page

How does Django serve our page?

**Problems and pitfalls** 



### Demo



#### Create a web page

- Create a Django app
- Add a view function
- Assign a URL
- Run and view the page



## Demo



- Control flow
- URL mapping
- Debugging Django

# Control flow is dictated by incoming HTTP Requests

A view function is only called if its URL is requested (visited in browser)



```
python manage.py startapp appname
```

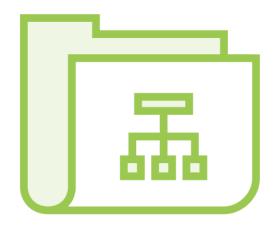
```
# in settings.py
INSTALLED_APPS = [ ..., "appname" ]
```

### Adding a New App

The manage.py script is located inside the Django project cd into the right folder before running it



## Django Apps



Python package

Contains models, views, templates, urls

Most Django projects contain several apps

Apps can be reused between projects

Keep apps small and simple

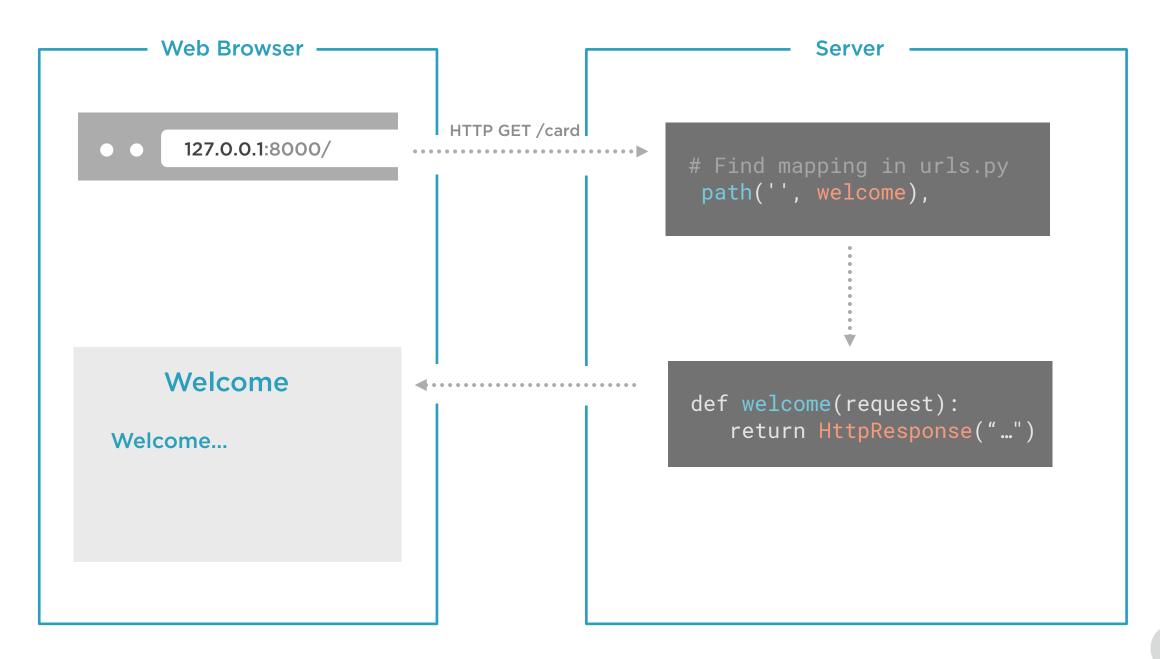
- Should have a clear, simple purpose



### Adding a Page

```
views.py
from django.http import HttpResponse
def welcome(request):
    return HttpResponse("Welcome!")
```

```
urls.py
from website.views import welcome
urlpatterns = [
    path('', welcome),
```



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