

Installation

- Python Installation
- Django Installation

Hello World

Run a development server

- Make a new project directory
- Start the project
django-admin startproject mysite
- Run the server
python manage.py runserver

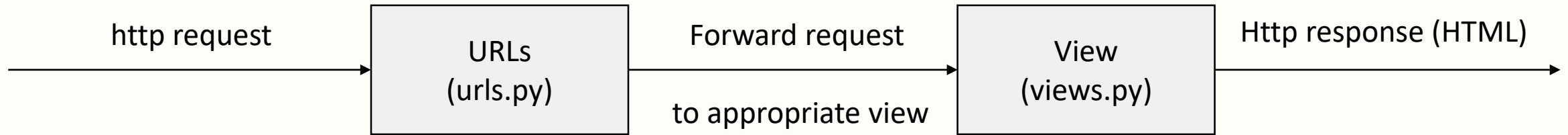
explore pypi.org

how to navigate folder or dir in cmd prompt
cmd history

Settings Module

Separating dev, prod, test environments

- Create a folder called settings or config
- Move the settings.py to that dir
- Create a __init__.py
- Create a dev.py, import settings to it, overwrite the values in dev.py
- Repeat the same for prod.py
- In settings.py, point the base dir one step up
- In wsgi.py and manage.py, point the settings to dev
- Run the server



urls.py

```
from .views import index

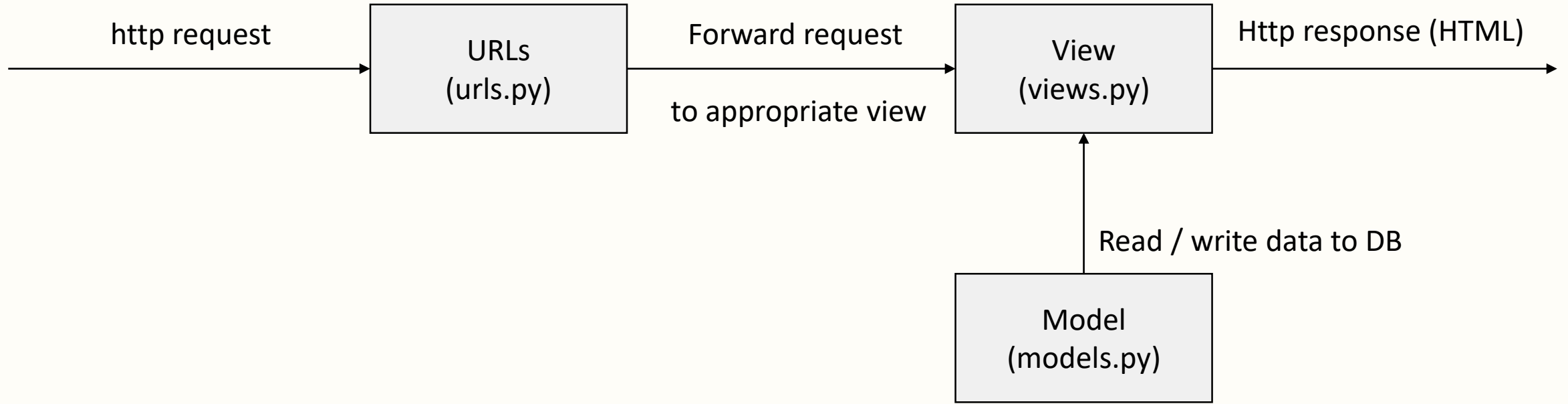
urlpatterns = [
    path('admin/',
admin.site.urls),
    path('', index),
]
```

views.py

```
from django.http import HttpResponse

def index(request):
    return HttpResponse('<b>Hello world<b>')
```

Models – A way to interact with DB



- Sqlite3 download
- View all the tables in sqlite3 db

Models – A way to interact with DB

- Start an app

```
>python manage.py startapp members
```

- Edit members/models.py

- Edit gymsite/settings.py

- Makemigrations

```
> practice\gymsite\gymsite>python  
manage.py makemigrations
```

- Migrate

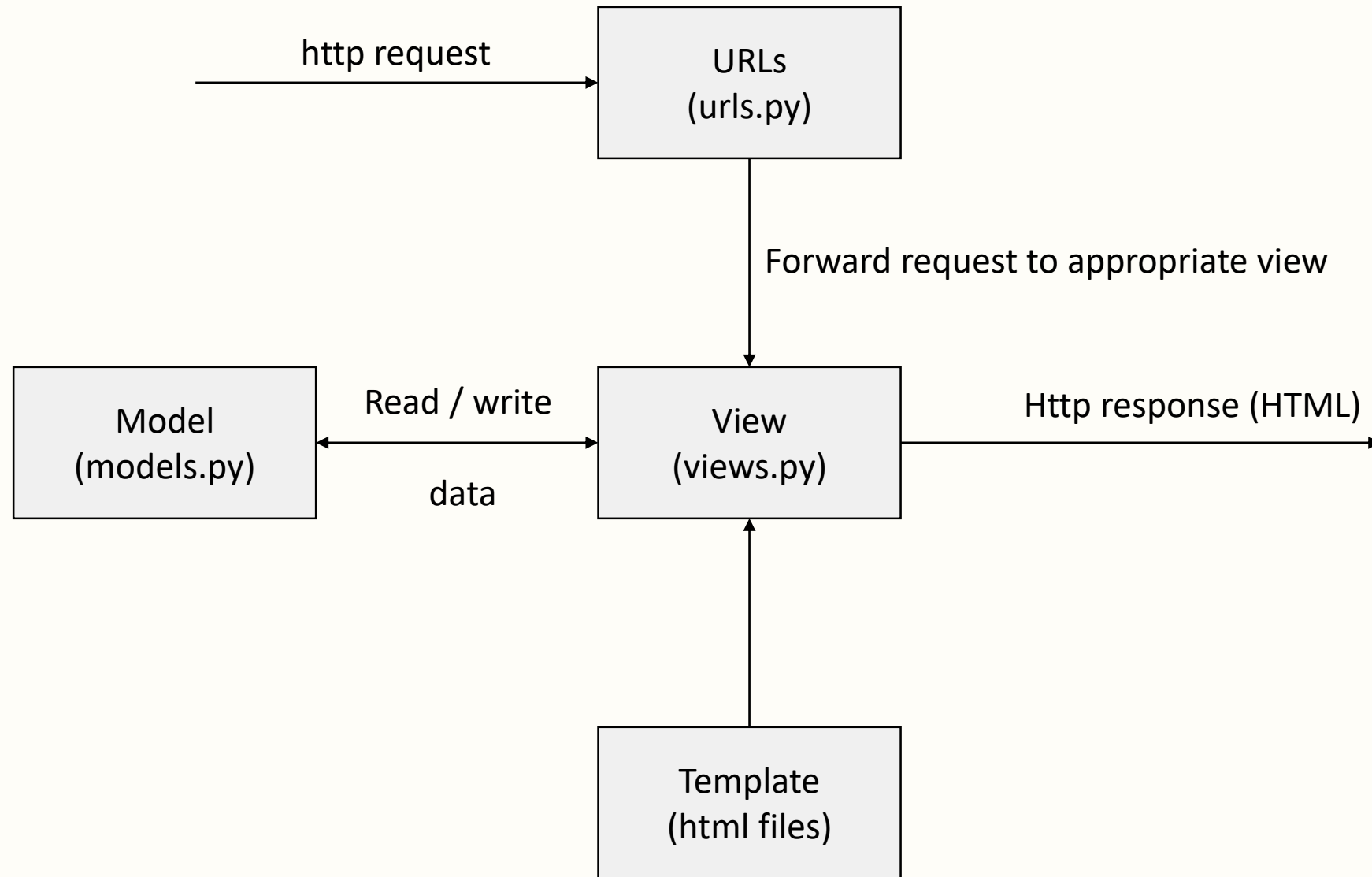
```
> practice\gymsite\gymsite>python  
manage.py migrate
```

models.py

```
from django.db import models  
  
# members records  
class members(models.Model):  
    name = models.CharField(max_length=30)
```

settings.py

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



Django admin site introduction

- Apply / enable the default app(s) by migrate
python manage.py migrate
- Create a super user
python manage.py createsuperuser
- Run the server and play around admin site
python manage.py runserver