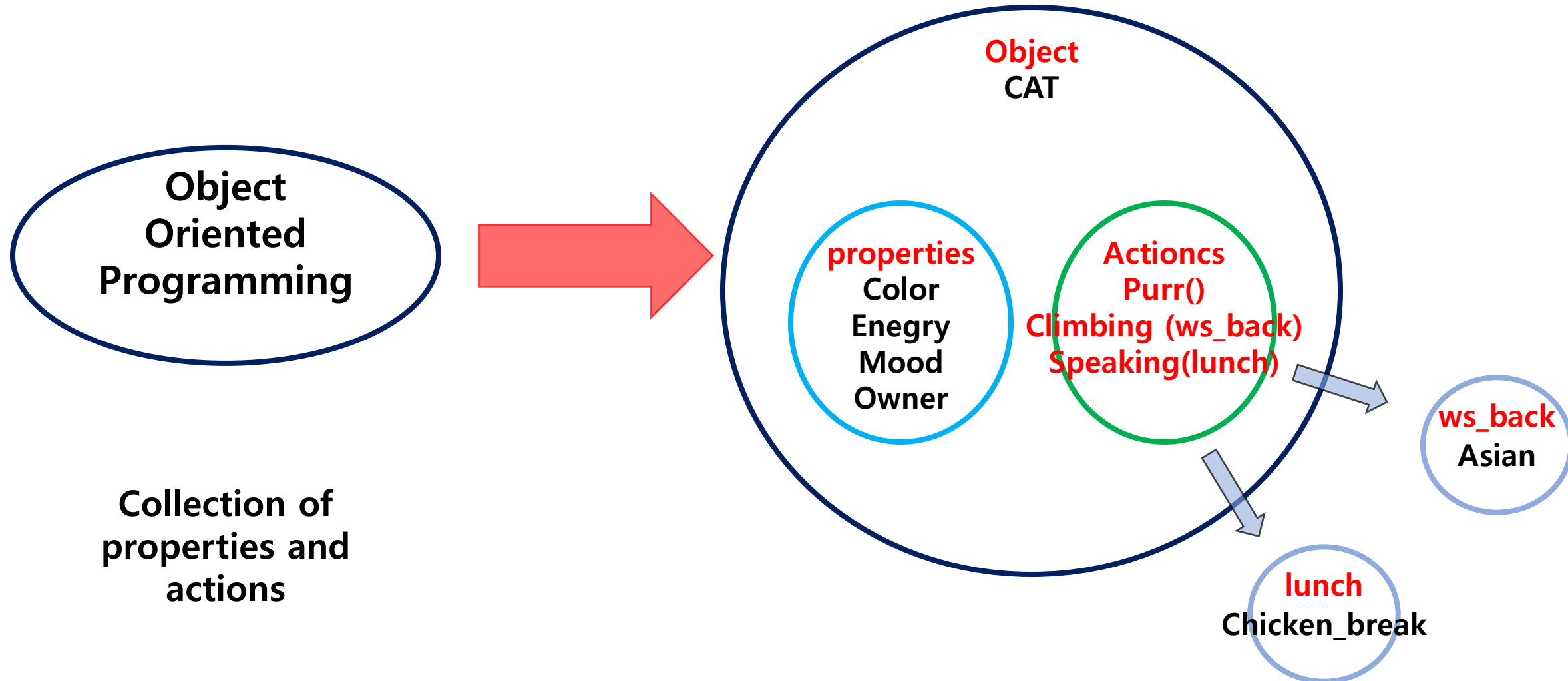


Django

Wonseok Jung

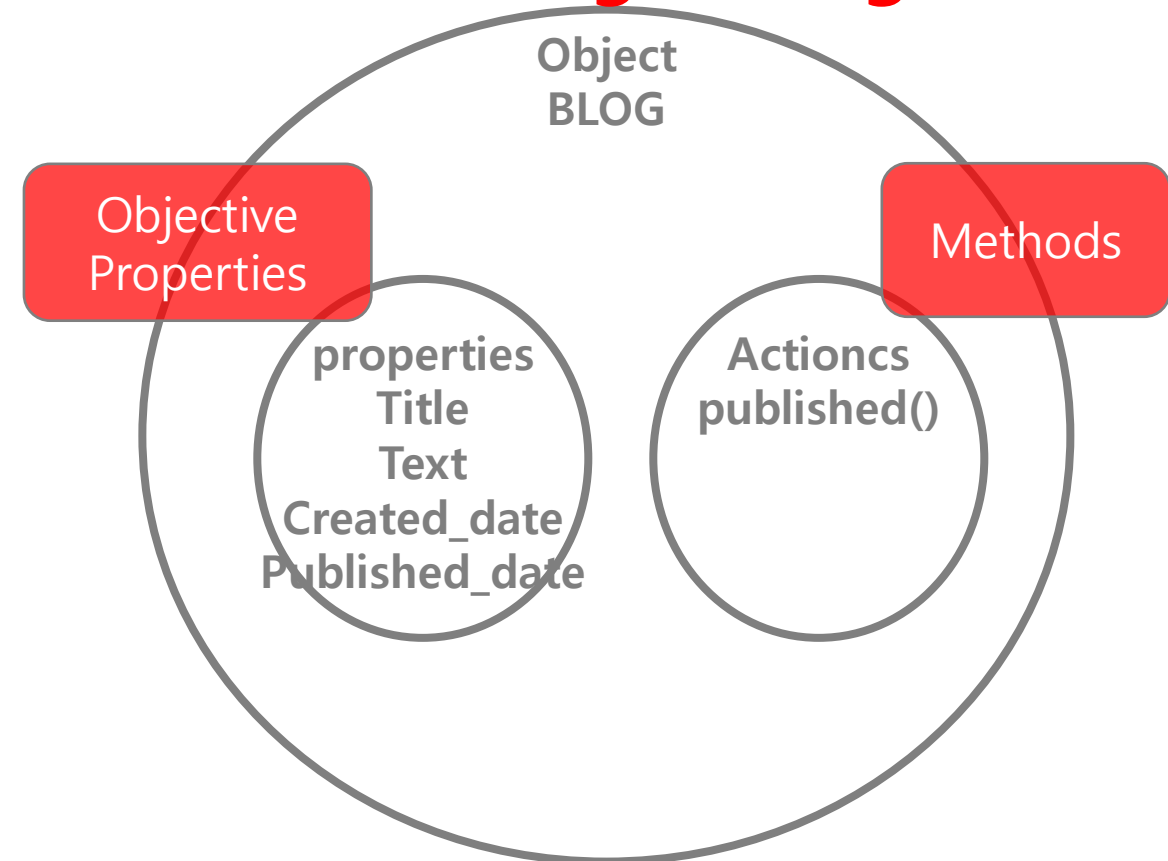
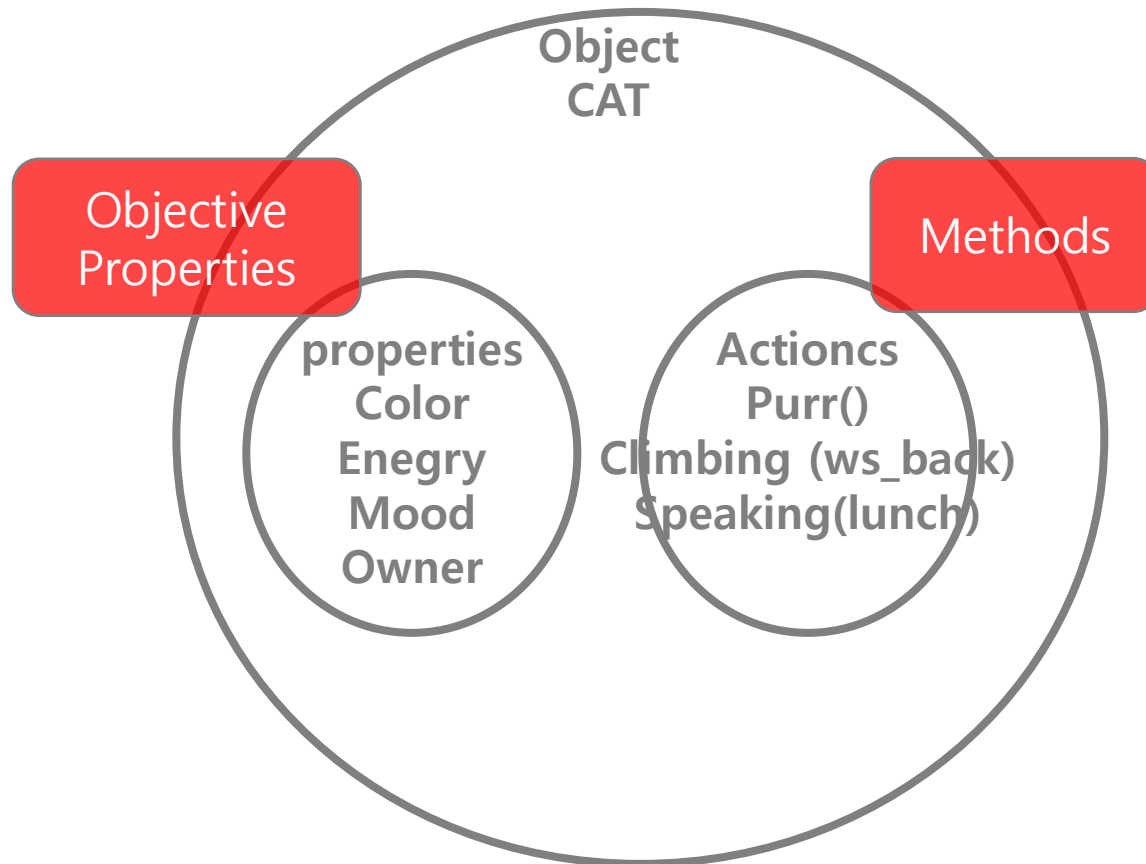
Django Models

Model



Django Models - 2

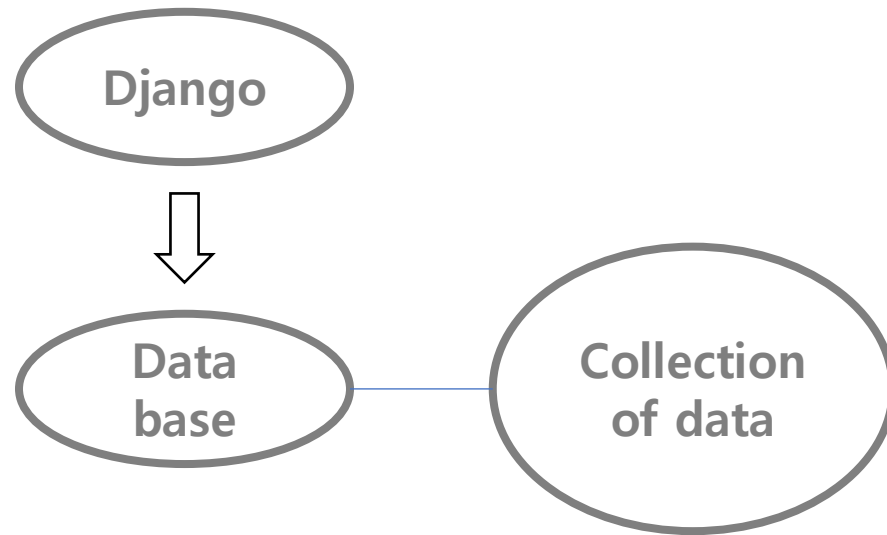
Modeling a Blog??



Django Models-3

To organize from beginning

```
(myvenv) ~/djangogirls$ python manage.py startapp blog
```



```
djangogirls
├── blog
│   ├── __init__.py
│   ├── admin.py
│   ├── apps.py
│   ├── migrations
│   │   └── __init__.py
│   ├── models.py
│   ├── tests.py
│   └── views.py
├── db.sqlite3
├── manage.py
└── mysite
    ├── __init__.py
    ├── settings.py
    ├── urls.py
    └── wsgi.py
```

Django Models-4

Django! Use it!

Mysite/settings.py

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

Creating a blog post model

Blog/models.py



Remove

```
from django.db import models  
from django.utils import timezone  
  
class Post(models.Model):  
    author = models.ForeignKey('auth.User')  
    title = models.CharField(max_length=200)  
    text = models.TextField()  
    created_date = models.DateTimeField(  
        default=timezone.now)  
    published_date = models.DateTimeField(  
        blank=True, null=True)  
  
    def publish(self):  
        self.published_date = timezone.now()  
        self.save()  
  
    def __str__(self):  
        return self.title
```

Django Models-5

Create tables for models in your database

Add our new model



Database

Django prepared a migration file for us that we now have to apply to our database. Type `python manage.py migrate blog` and the output should be as follows:

command-line

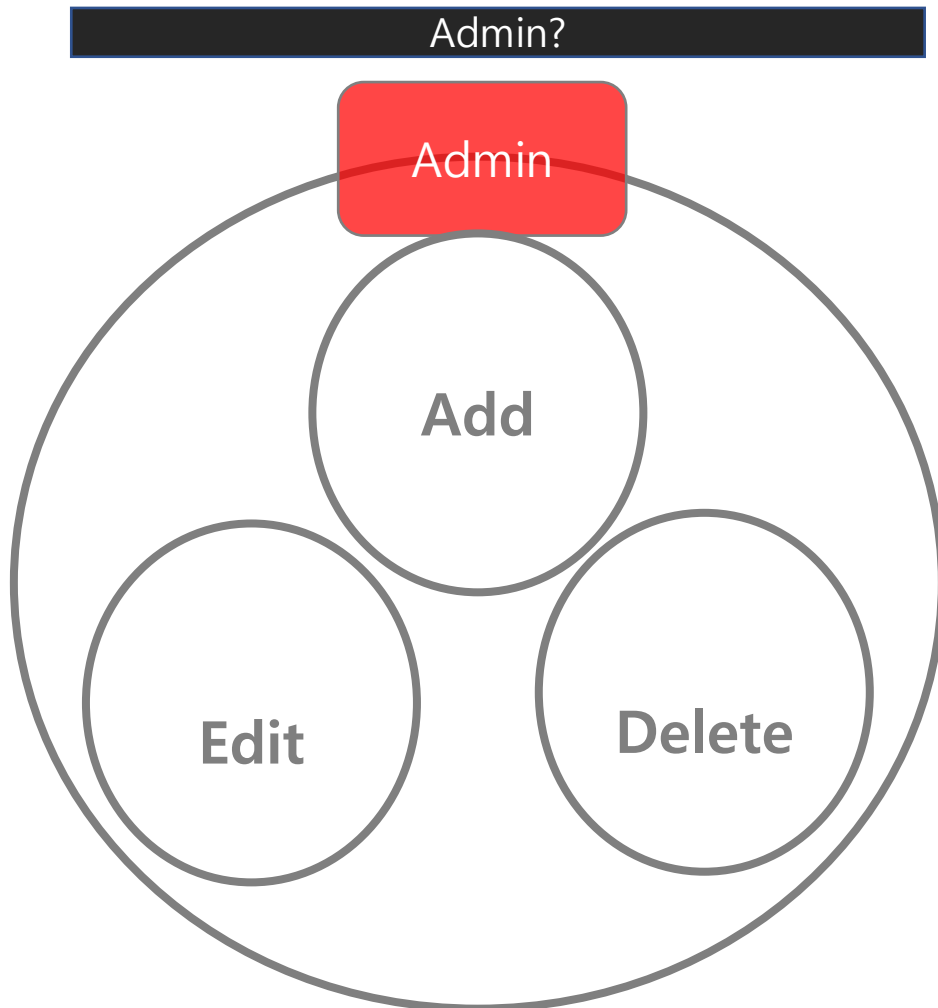
```
(myvenv) ~/djangogirls$ python manage.py makemigrations blog
Migrations for 'blog':
  blog/migrations/0001_initial.py:
    - Create model Post
```

```
(myvenv) ~/djangogirls$ python manage.py migrate blog
Operations to perform:
  Apply all migrations: blog
Running migrations:
  Rendering model states... DONE
  Applying blog.0001_initial... OK
```



Post the model in the database

Django admin



Let's open the `blog/admin.py` file and replace its contents with this:

`blog/admin.py`

```
from django.contrib import admin
from .models import Post

admin.site.register(Post)
```

Command : `python manage.py runserver`

Django administration

Username:

Password:

Log in

Command: `python manage.py createsuperuser`

```
(myvenv) ~/djangogirls$ python manage.py createsuperuser
Username: admin
Email address: admin@admin.com
Password:
Password (again):
Superuser created successfully.
```

Django admin-2

Django administration

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups

 Add

 Change

Users

 Add

 Change

BLOG

Posts

 Add

 Change