



# INTRO TO BACKEND DEVELOPMENT

DAY 11

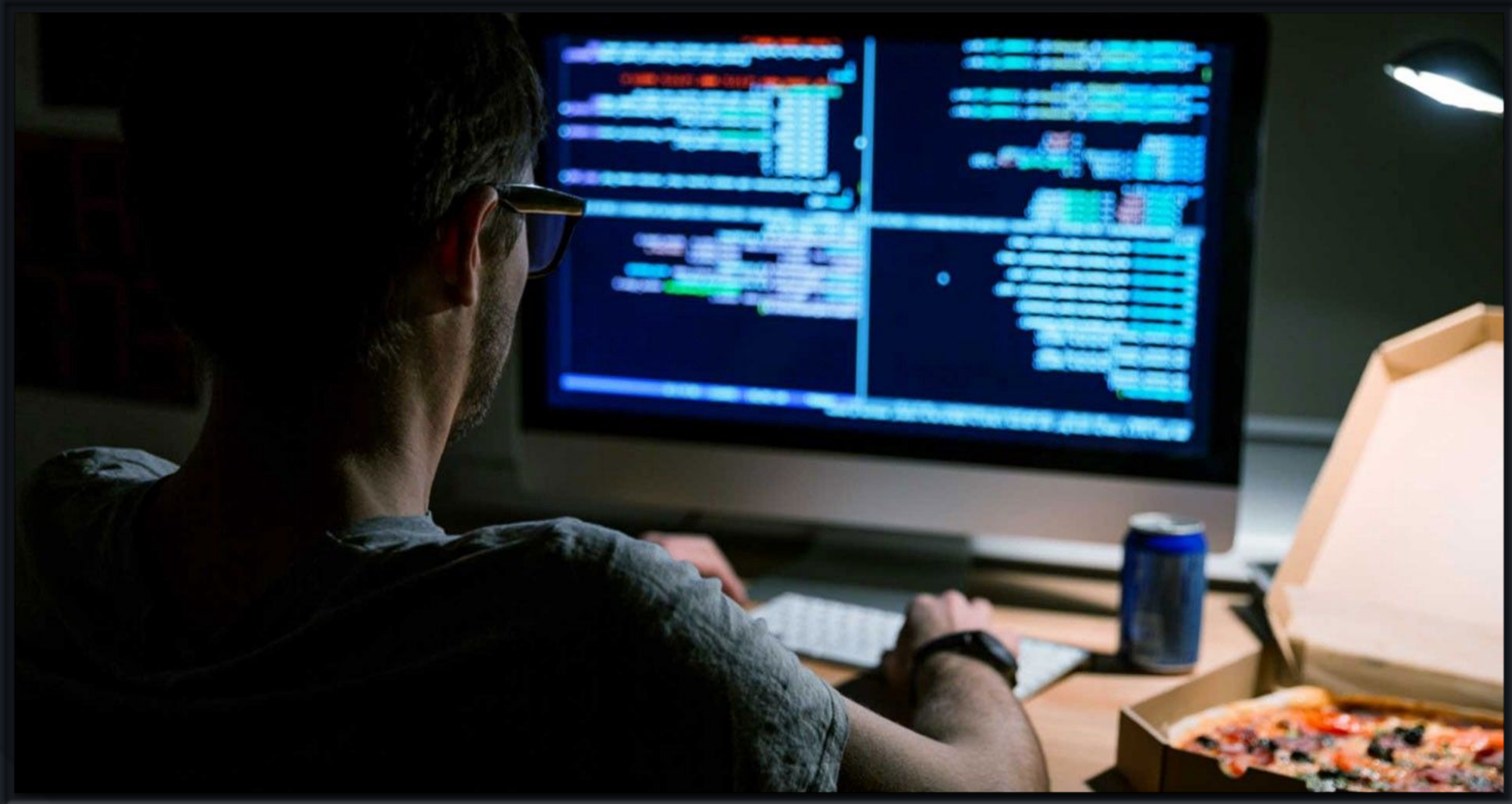
*04/19/2021*

*Instructor - Casey Wilson*

*TA - Kevin Dublin*



# *Take Home Challenge Review*





# *Check In Time*



The Mary Sue  
@TheMarySue

How it started

How it's going



# *Django Time - Round 3*



# Django Admin - List Display

```
class PersonAdmin(admin.ModelAdmin):  
    list_display = ("last_name", "first_name")
```

Django administration

WELCOME, ADMIN. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Core > People

Select person to change

ADD PERSON +

Action:  Go

0 of 3 selected

<input type="checkbox"/>	LAST NAME	FIRST NAME
<input type="checkbox"/>	Summers	Buffy
<input type="checkbox"/>	Rosenberg	Willow
<input type="checkbox"/>	Harris	Xander

3 People



# Django Admin - Filter

```
class CourseAdmin(admin.ModelAdmin):  
    list_filter = ("year", )
```

Django administration

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Home > Core > Courses

Select course to change

ADD COURSE +

Action:  Go 0 of 3 selected

<input type="checkbox"/>	NAME	YEAR	STUDENTS
<input type="checkbox"/>	Library Science G10	1997	3 Students
<input type="checkbox"/>	Psych 101	1999	2 Students
<input type="checkbox"/>	CompSci G11	1998	3 Students

3 courses

FILTER

By year

All

1997

1998

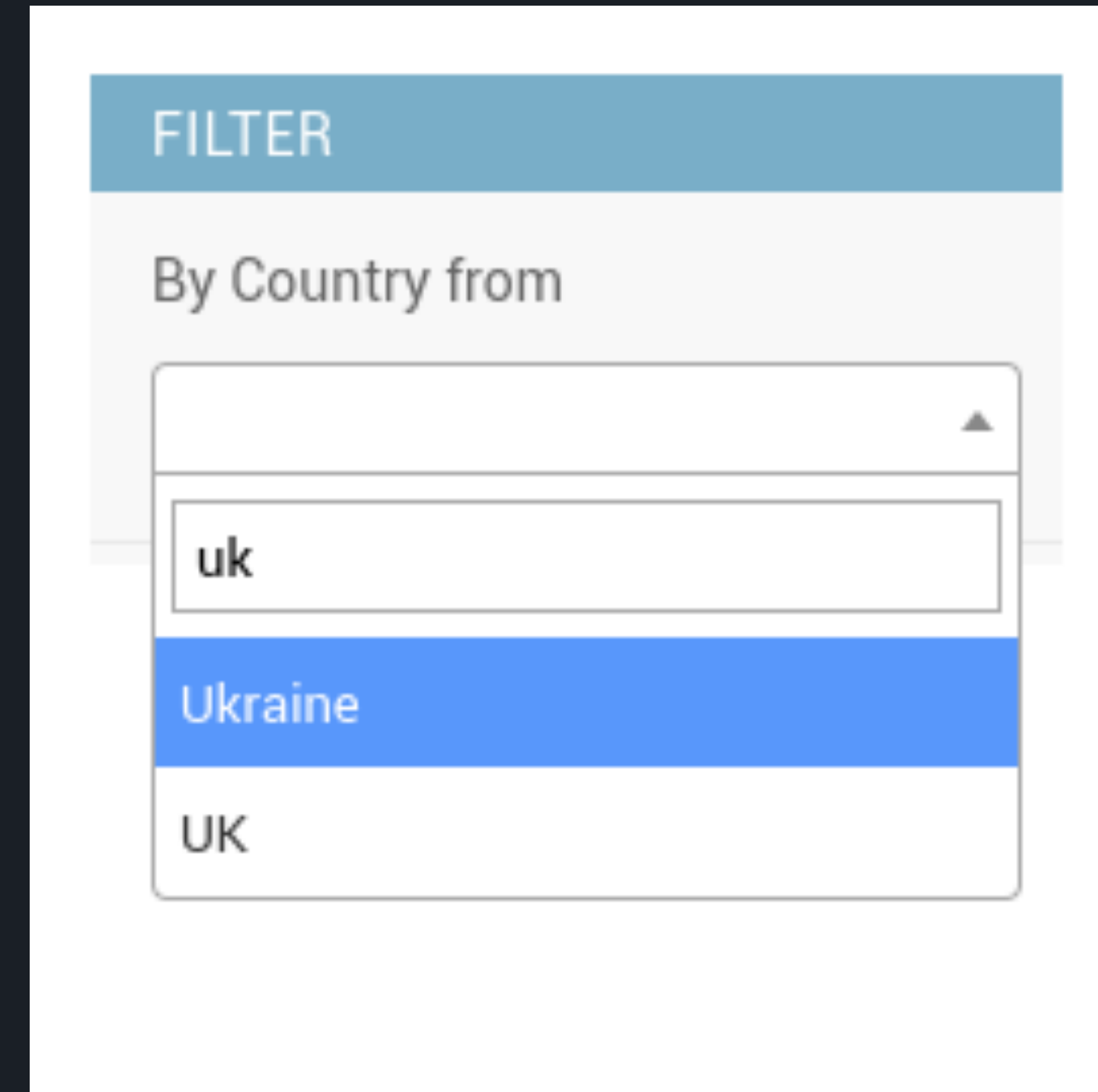
1999

# *Django Admin - Fields / Fieldsets*

```
class FlatPageAdmin(admin.ModelAdmin):  
    fieldsets = (  
        (None, {  
            'fields': ('url', 'title', 'content', 'sites')  
        }),  
        ('Advanced options', {  
            'classes': ('collapse',),  
            'fields': ('registration_required', 'template_name'),  
        }),  
    )
```

# *Django Admin - Autocomplete*

```
class ChoiceAdmin(admin.ModelAdmin):  
    autocomplete_fields = ['question']
```



A screenshot of a Django Admin interface showing an autocomplete dropdown. The dropdown is titled "By Country from" and contains three options: "uk", "Ukraine", and "UK". The "Ukraine" option is currently selected and highlighted in blue. The dropdown is part of a larger form with a "FILTER" header.

FILTER	
By Country from	
uk	
Ukraine	
UK	



# *Django Admin - Date Hierarchy*

```
class QuestionAdmin(admin.ModelAdmin):  
    date_hierarchy = "published_on"
```



# Django Admin - Inlines

```
class BooksInline(admin.TabularInline):  
    model = Book
```

```
class AuthorAdmin(admin.ModelAdmin):  
    inlines = (BooksInline,)
```

Django administration WELCOME, ADMIN. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

[Home](#) » [Sample\\_App](#) » [Model as](#) » Add model a

### Add model a

Title:

IMAGES	
IMAGE	DELETE?
<input type="button" value="Choose File"/> No file chosen	
<input type="button" value="Choose File"/> No file chosen	
<input type="button" value="Choose File"/> No file chosen	
<a href="#">+ Add another Image</a>	

Description:



# Django Admin - Admin Functions

```
def show_average(self, obj):  
    from django.db.models import Avg  
    result = Grade.objects.filter(person=obj).aggregate(Avg("grade"))  
    return result["grade__avg"]
```

Django administration

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Home › Core › People

Select person to change

[ADD PERSON](#) +

Action:  Go

0 of 3 selected

<input type="checkbox"/>	LAST NAME	FIRST NAME	SHOW AVERAGE
<input type="checkbox"/>	Summers	Buffy	77
<input type="checkbox"/>	Rosenberg	Willow	97.5
<input type="checkbox"/>	Harris	Xander	58

3 People

# Django Admin - Admin Functions

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Django administration

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Home › Core › People

Select person to change

[ADD PERSON](#) +

Action:  Go

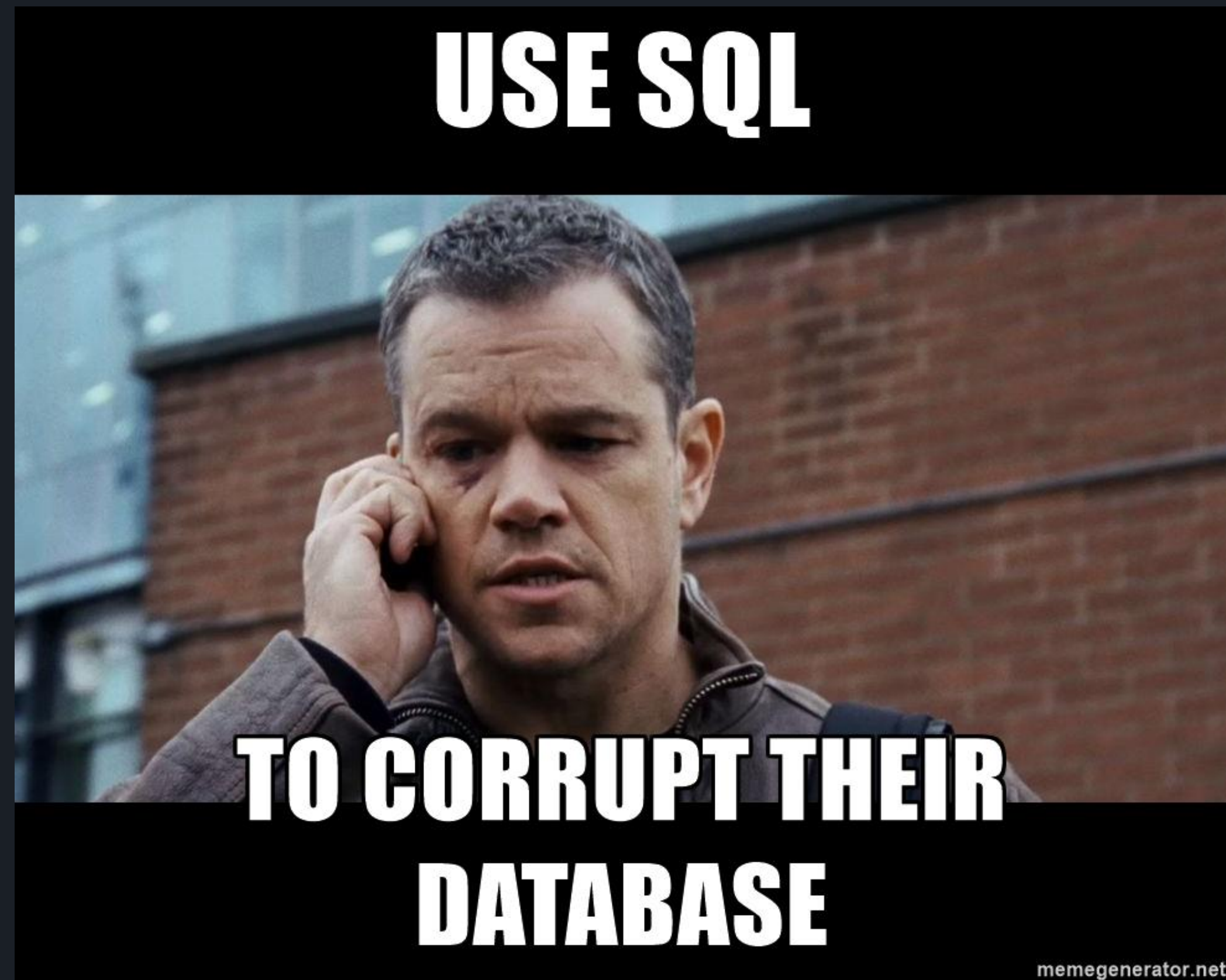
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3 People



# *Django - MVT CRUD Example*



[https://github.com/rayed/django\\_crud](https://github.com/rayed/django_crud)

*Questions?*





# *Take Home Challenge*

