



INTRO TO BACKEND DEVELOPMENT

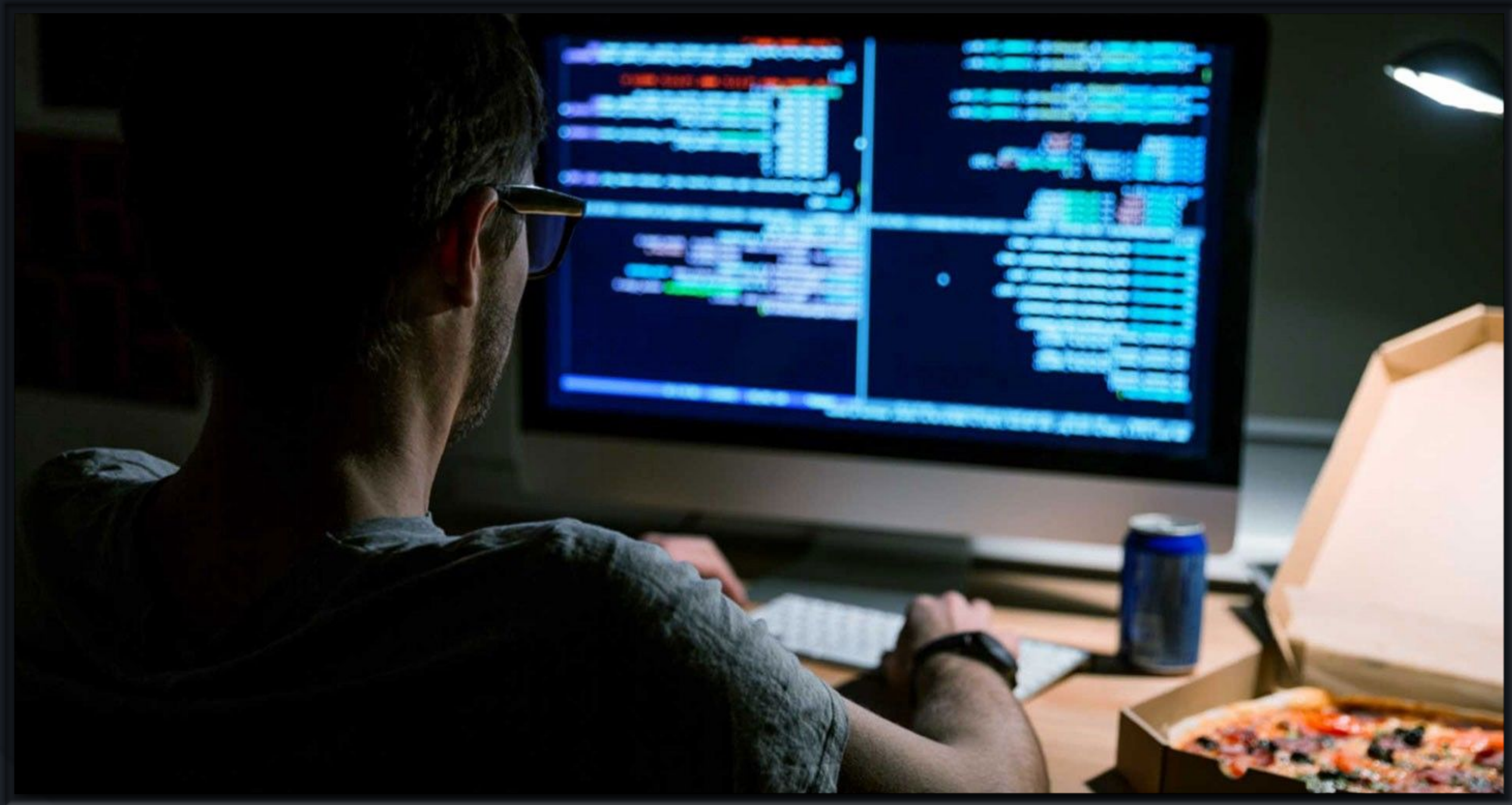
DAY 11

04/19/2021

Instructor - Casey Wilson

TA - Kevin Dublin

Take Home Challenge Review



Check In Time



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:

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

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

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

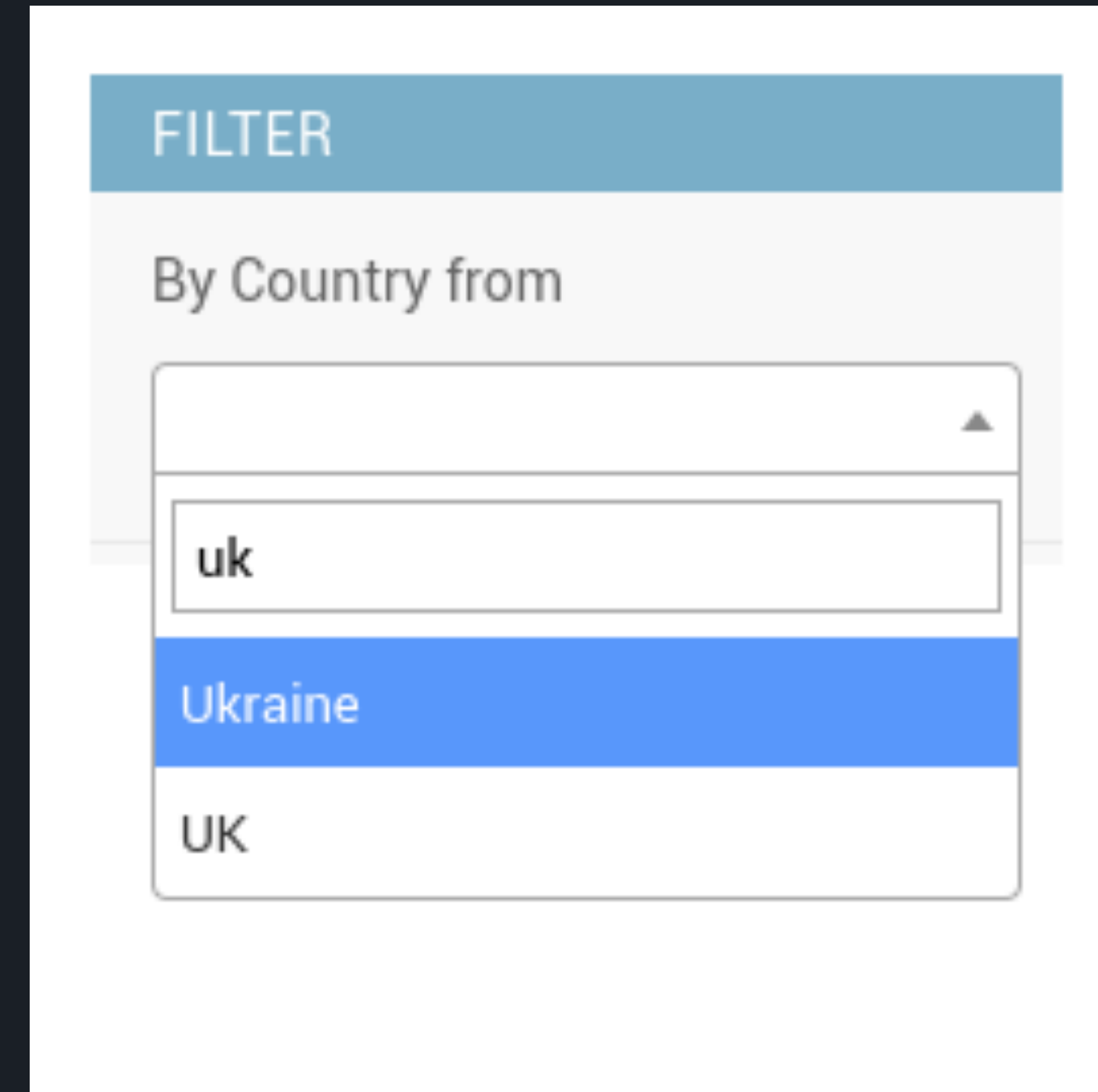
1999

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 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	
+ Add another Image	

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

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

3 People

Django - MVT CRUD Example



https://github.com/rayed/django_crud

Questions?



Take Home Challenge

