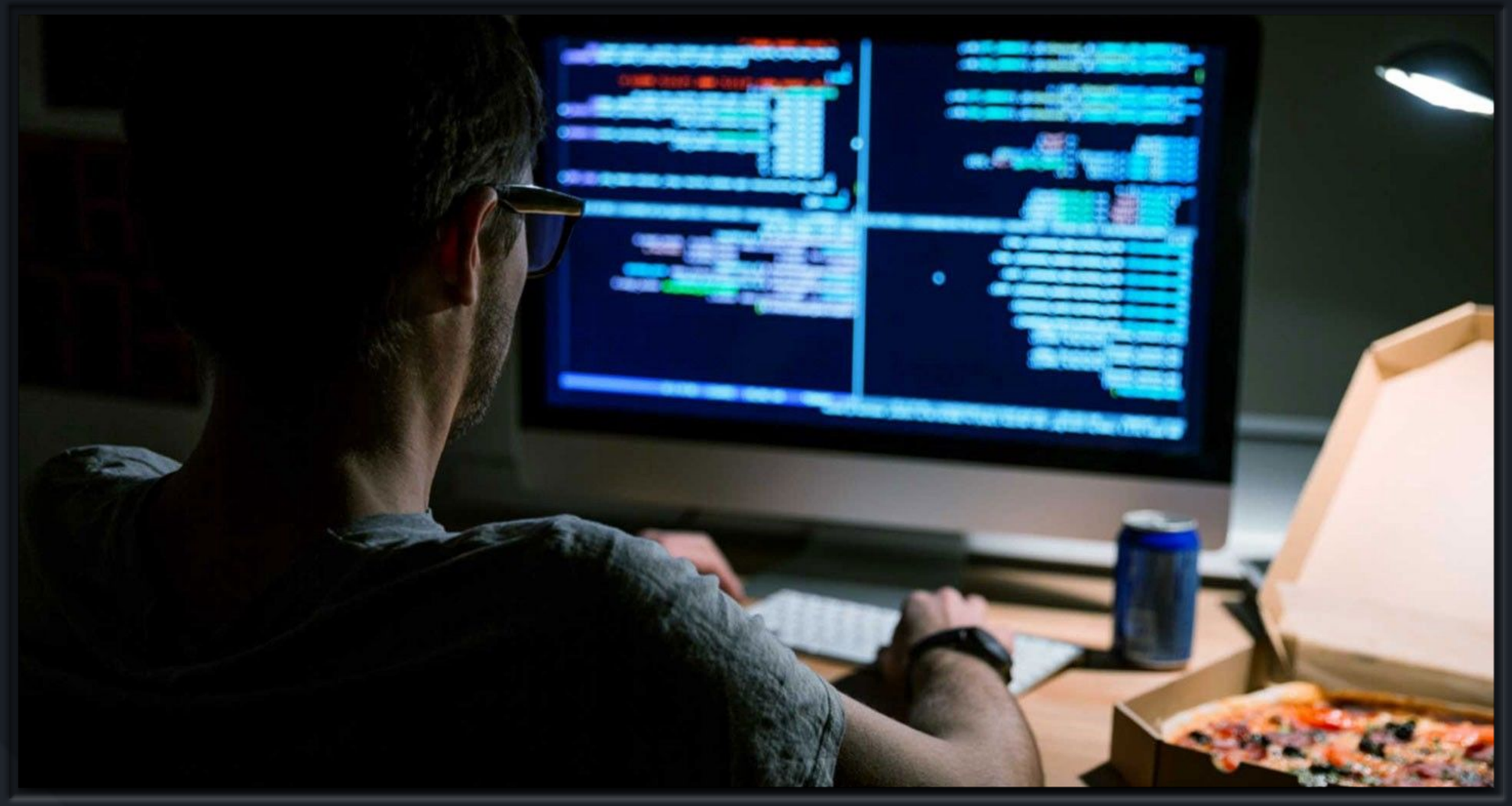
INTRO TO BACKEND DEVELOPMENT

DAY 11

04/19/2021

Instructor - Casey Wilson
TA - Kevin Dublin

Take Home Challenge Review

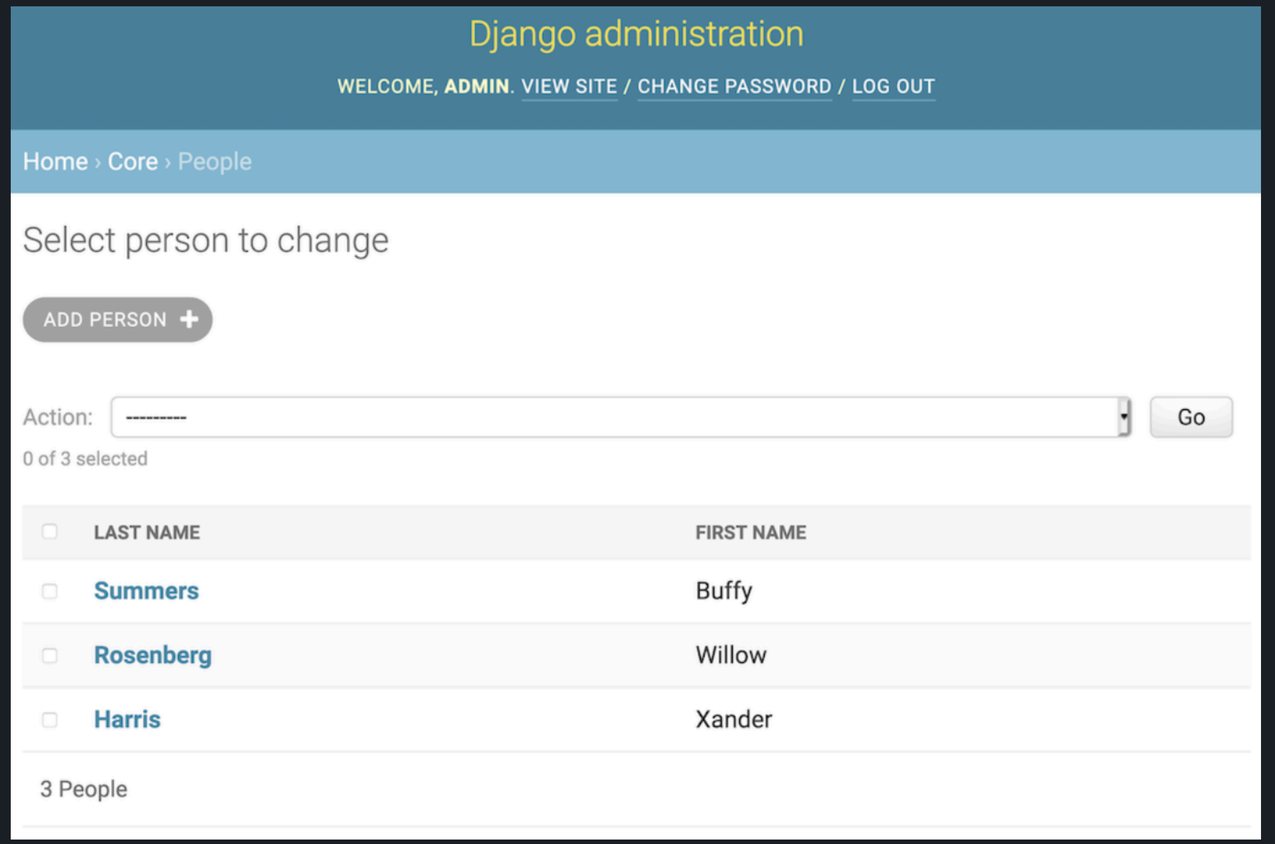


Check In Time

Django Time - Round 3

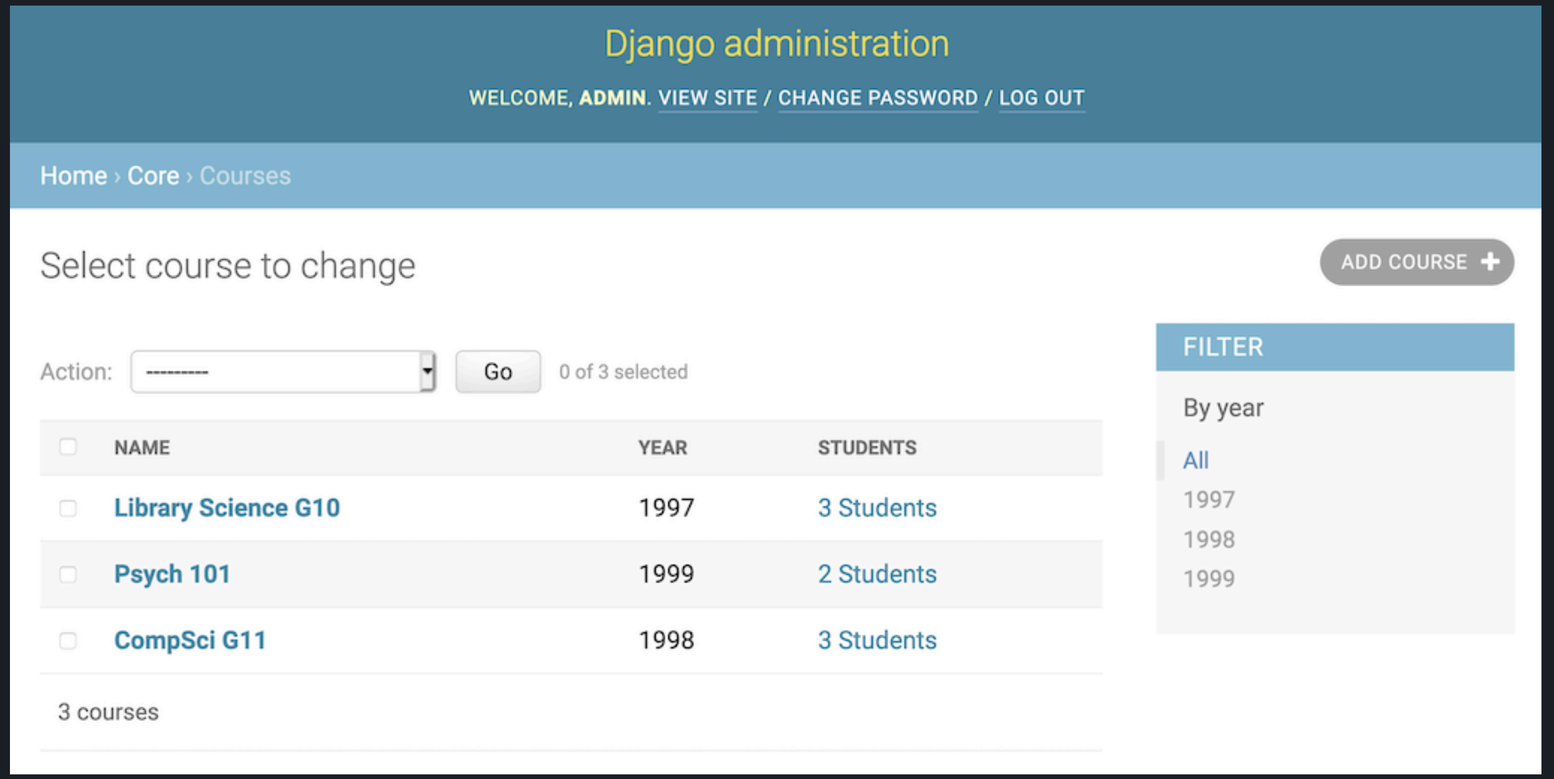
Django Admin - List Display

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



Django Admin - Filter

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

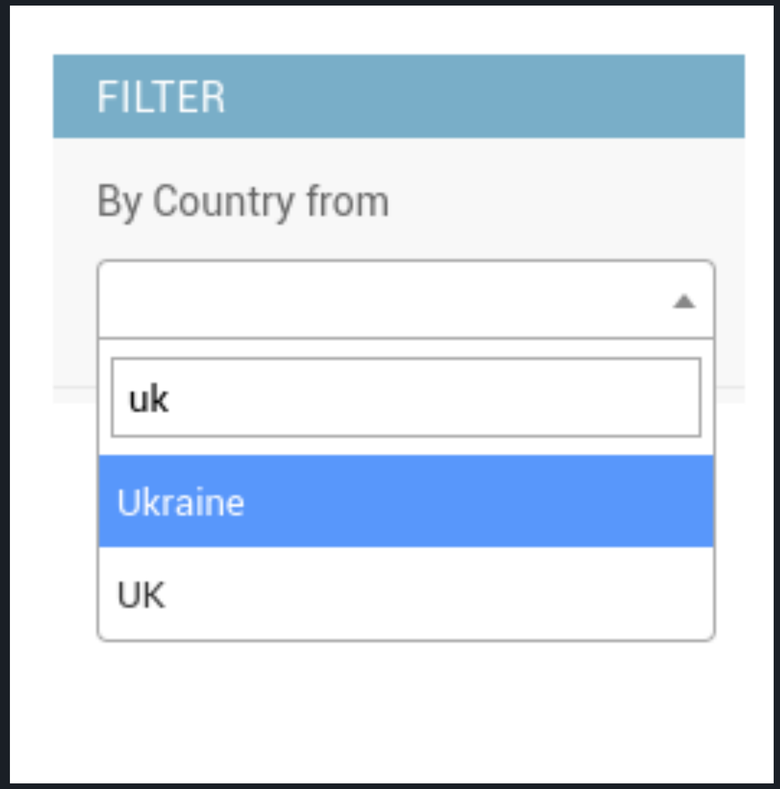


Django Admin - Fields / Fieldsets

```
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']
```



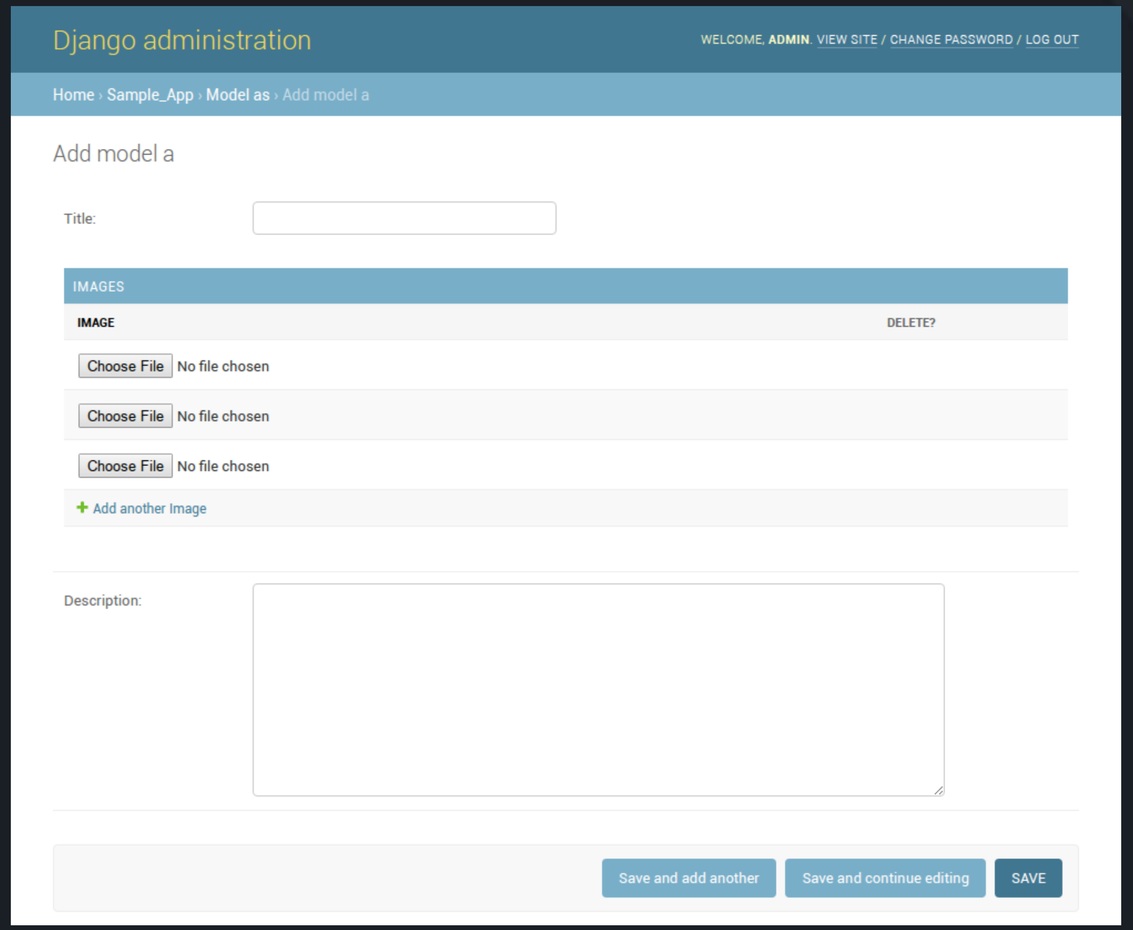
Django Admin - Date Hierarchy

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

Django Admin - Inlines

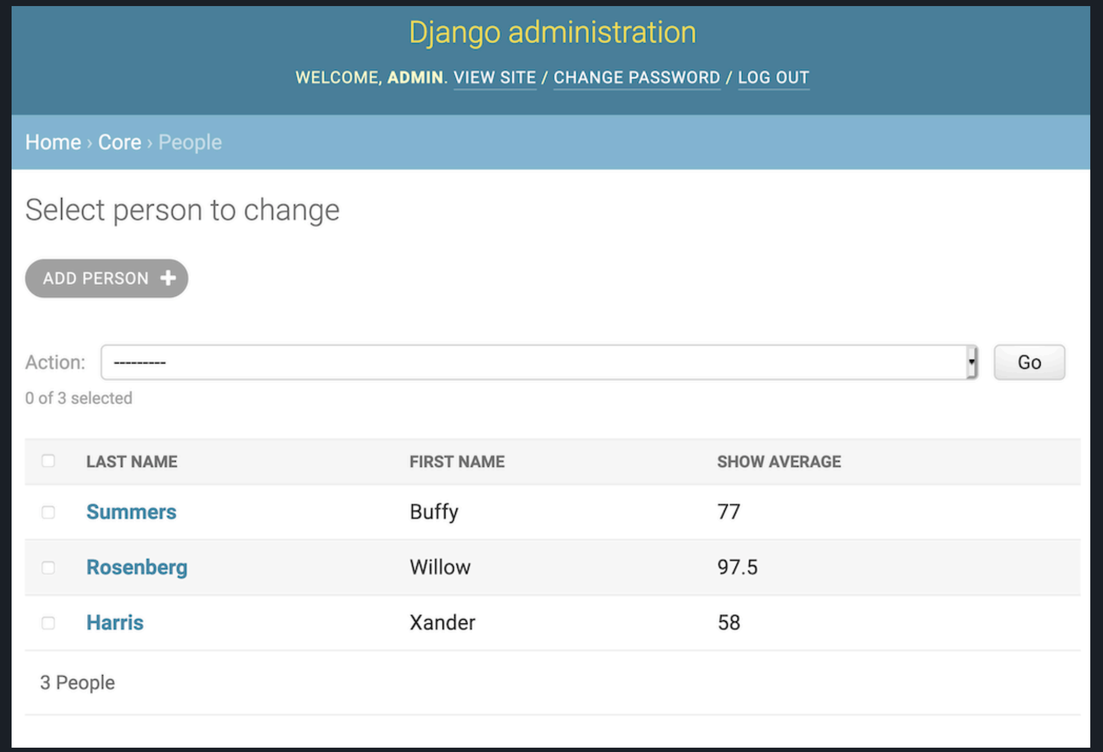
```
class BooksInline(admin.TabularInline):
    model = Book

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



Django 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"]
```



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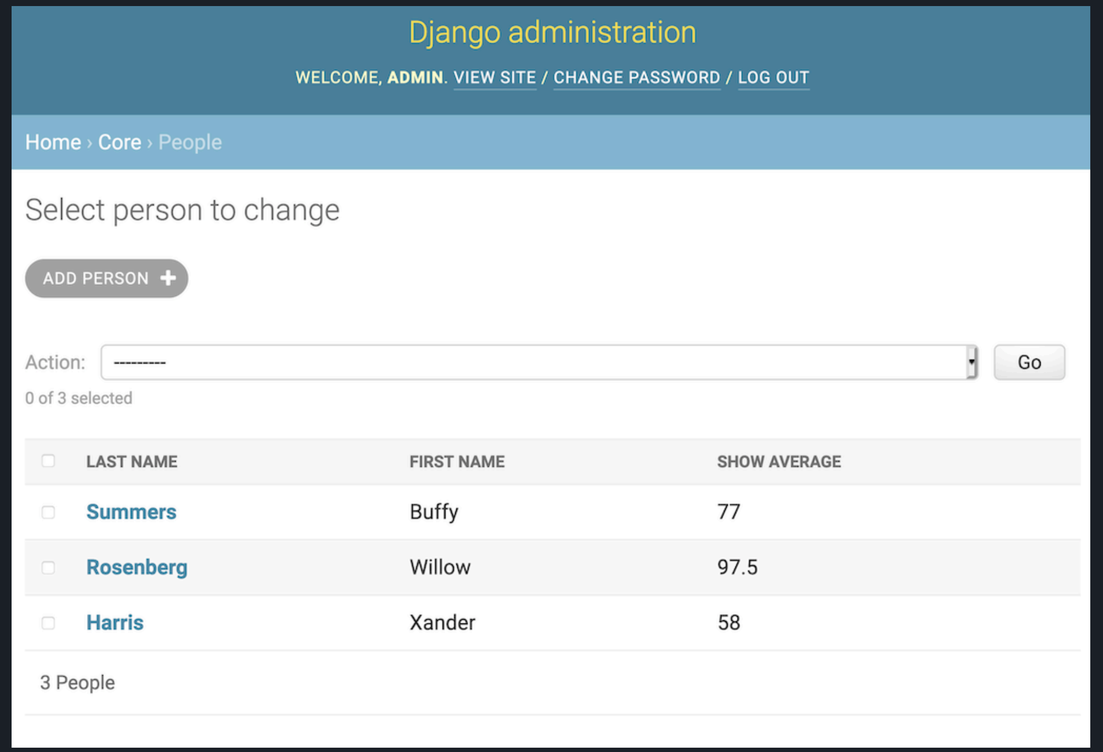
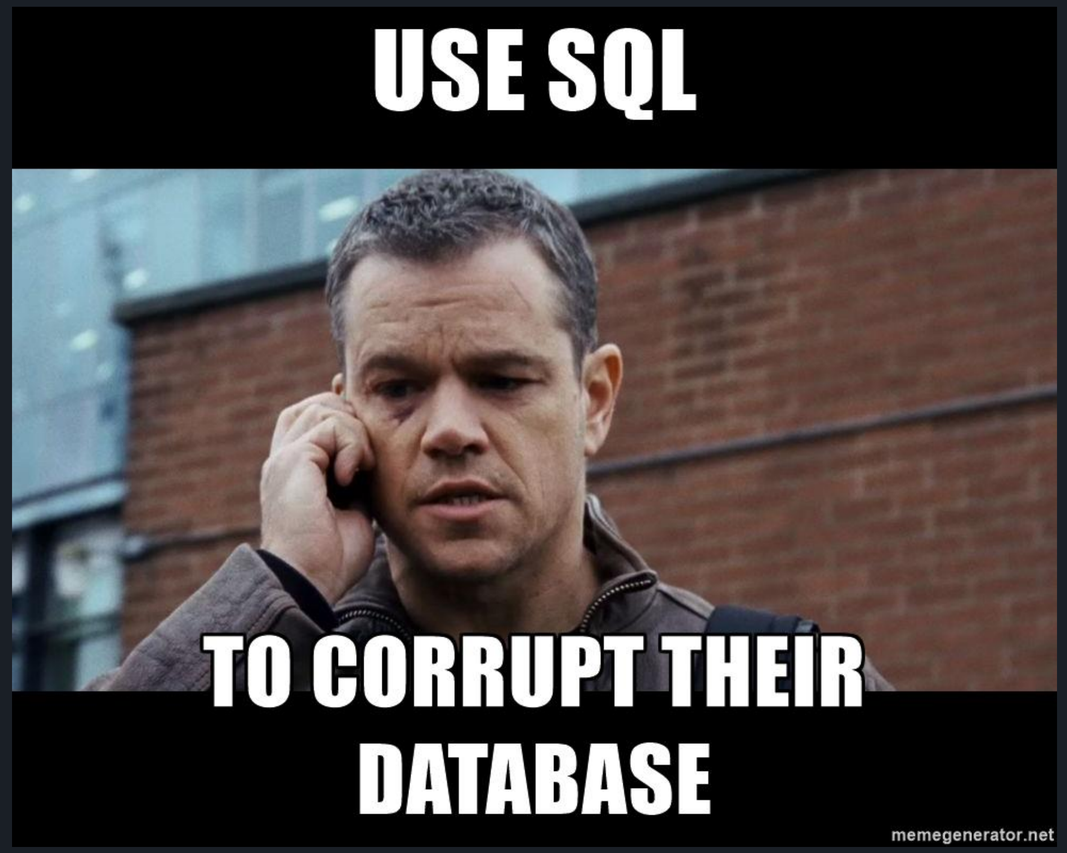
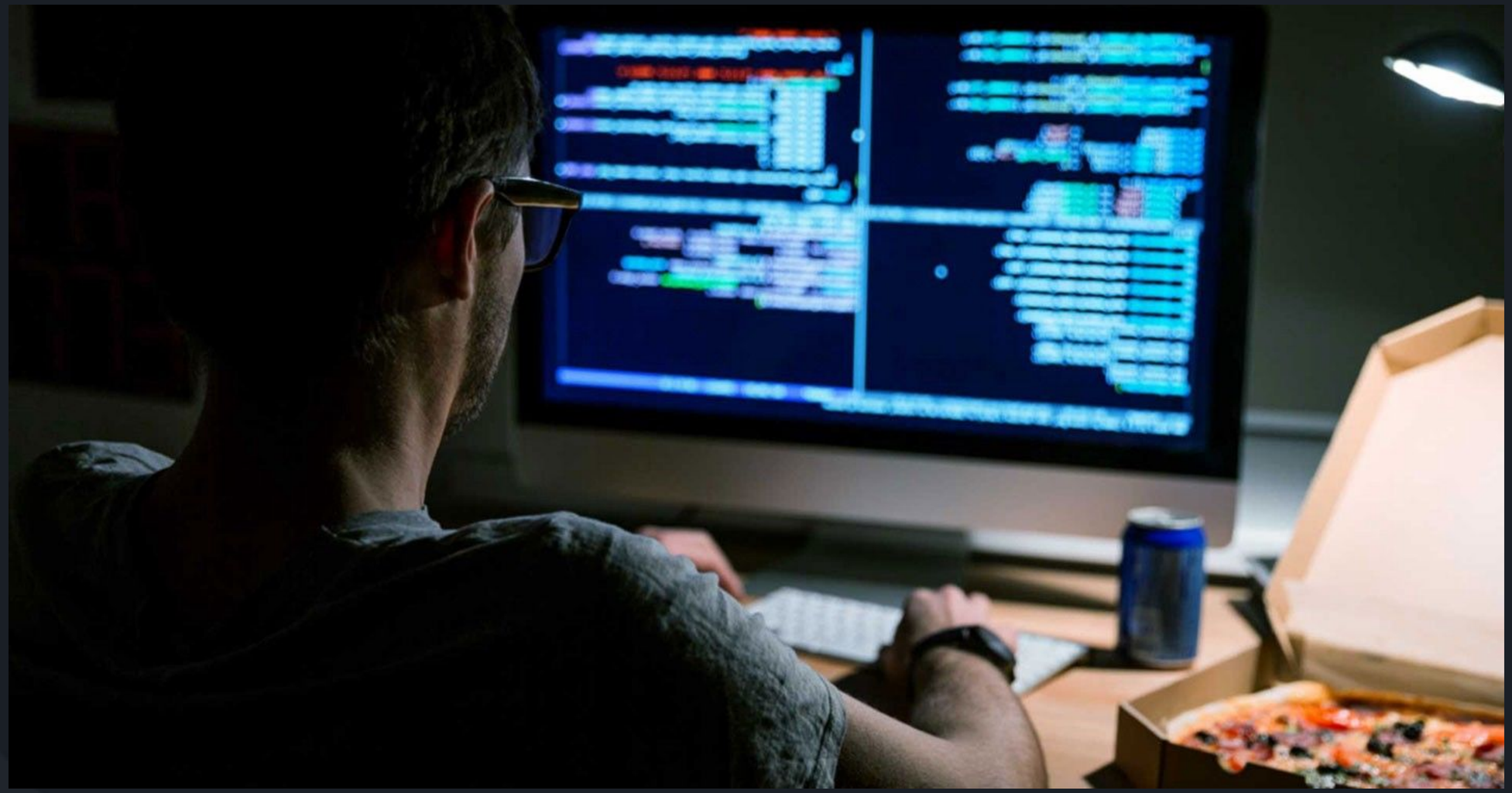


Django - MVT CRUD Example



https://github.com/rayed/django_crud

Questions?

Take Home Challenge