

Django at Scale

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History

- Worked at Memrise.com as lead developer - 1.3 million users, 20k uniques/day
- Now at YPlan - over 1 million downloads, N uniques/day
- Both powered by Django with API and Web parts

Scaling Django

- What 'comes apart' first?
- What should you do with your code, caching, and database?

Code: base classes

- Wrap around django where sensible, to implement scaling changes at the highest level
- Views, admin, models, querysets, ...

```
# project/admin.py
class ModelAdmin(admin.ModelAdmin):
    pass

# blog/admin.py
from project.admin import ModelAdmin

class BlogPostAdmin(ModelAdmin):
    # bla bla bla ...
```

Code: base classes

- e.g. to make all Admin pages use new queryset class (see my [blog post](#))

```
# project/admin.py
class ModelAdmin(admin.ModelAdmin):
    def queryset(self, request):
        qs = super(MySuperDuperAdmin, self) \
            .queryset(request)
        qs = qs._clone(klass=ApproxCountQuerySet)
        return qs
```

Thank you

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