



WEB DEVELOPMENT

Lesson 14

Django Filters

Django Filters - Installation

1) `pip install django-filter`

2)
`INSTALLED_APPS = [`
 `...`
 `'django_filters',`
`]`

Setting filter backends

```
REST_FRAMEWORK = {  
    'DEFAULT_FILTER_BACKENDS': (  
        'django_filters.rest_framework.DjangoFilterBackend',  
    )  
}
```

Equality-based filtering

```
filterset_fields = ( 'name', )
```

FilterSet

```
filter_backends = (DjangoFilterBackend,)
filter_fields = ('name',)
filter_class = ProductFilter
```

`http://url?name=text`

SearchFilter

```
filter_backends = (filters.SearchFilter,)
search_fields = ('name',)
```

`http://url?search=text`

OrderingFilter

```
filter_backends = (filters.OrderingFilter)
ordering_fields = ('name',)
ordering = ('-name',)
```

`http://url?ordering=name`

Pagination

Pagination

1. `PageNumberPagination`
2. `LimitOffsetPagination`

Pagination

```
REST_FRAMEWORK = {  
    'DEFAULT_PAGINATION_CLASS': 'rest_framework.pagination.PageNumberPagination',  
    'PAGE_SIZE': 10  
}
```

Pagination

```
pagination_class = LimitOffsetPagination
```

Questions?