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# **django-handychelpers Documentation**

***Release 0.3.11***

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## Contents

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<b>1</b>	<b>Contents</b>	<b>1</b>
1.1	About . . . . .	1
1.2	Installation . . . . .	1
1.3	Features . . . . .	2
1.4	Internals . . . . .	5
1.5	Version History . . . . .	12
1.6	LICENSE . . . . .	12
	<b>Python Module Index</b>	<b>23</b>
	<b>Index</b>	<b>25</b>



## 1.1 About

django-handyhelpers is a collection of handy utilities to support Django operations. Features include:

- management commands to generate admin pages
- management commands to generate, views, serializers, and urls for Django Rest Framework (DRF)
- generic base model with extensive model manager
- generic list views and FilterByQueryParamsMixin
- xls and csv export views
- InvalidLookupMixin for DRF viewsets
- a collection of generic bootstrap-based html templates

See details on django-handyhelpers features on the *Features* page

### 1.1.1 Requirements & Dependencies

django-handyhelpers is built on Python 3.6.x and Django 2.2.x. For a full list of packages and requirements, please see the requirements.txt file: <https://github.com/davidslusser/django-handyhelpers/blob/master/requirements.txt>

## 1.2 Installation

The django-handyhelpers package is available on Python Package Index (PyPI) and can be installed via pip with the following command:

```
pip install django-handyhelpers
```

### 1.2.1 Adding django-handychelpers to your django project

To include management commands add shared templates, add 'handychelpers' to the your INSTALLED\_APPS of your project's settings file.

```
INSTALLED_APPS = [ ... 'handychelpers',  
    ]
```

## 1.3 Features

This document details the features currently available in django-handychelpers.

### 1.3.1 Mangement Commands

#### Admin Generator

Included with django-handychelpers are manage.py commands to auto-generate an admin.py file for a given application in your project. This is done using a jinja template that defines the structure of the admin.py file. A default template is provided.

Command Examples:

\*\* use the `--help` parameter for a full list of options

```
manage.py generate_admin <my_app>  
manage.py generate_admin <my_app> --template <my_custom_template>  
manage.py generate-admin --help
```

#### DRF Generator

Django-handychelpers includes manage.py commands to generate DRF files (api views, serializers, urls) for a given app in your project. This is done using jinja templates that define the structure of each file. Default templates are provided, and custom templates can be provided in the command. By default, all models and models fields are included.

Command Examples:

\*\* use the `--help` parameter for a full list of options

```
manage.py generate_drf <my_app> --serializer  
manage.py generate_drf <my_app> --serializer --serializer_template <my_custom_  
↪template>  
manage.py generate_drf --help
```

### 1.3.2 Views

#### List Views

Base list views are also included which use the `FilterByQueryParamsMixin` and generic templates to further simplify your list views. Every parameter can be overwritten to fully customize to your needs. The `HandyHelperListView` uses a Bootstrap-based template to list your results; simply include a html template with a table formatted for your

model and include it in the table parameter. The `HandyHelperListPlusCreateView` has all the features as the `HandyHelperListView` but also allows for a form to create new records. The `HandyHelperListPlusFilterView` has all the features as the `HandyHelperListView` but also allows for a form to filter records. The `HandyHelperListPlusCreateAndFilterView` allows for create and filter forms. To utilize the filter views, you must include handyhelpers urls in your project level urls:

```
path('handychelpers/', include('handychelpers.urls'), ),
```

Examples:

```
from handyhelpers.views.gui import HandyHelperBaseListView

class ListProjects(HandyHelperBaseListView):
    queryset = Project.objects.all()
    title = 'Projects'
    page_description = 'my cool projects'
    table = 'table/table_projects.htm'
```

```
from handyhelpers.views.gui import HandyHelperListPlusCreateView

class ListProjects(HandyHelperBaseCreateListView):
    queryset = Project.objects.all()
    title = 'Projects'
    page_description = 'my cool projects'
    table = 'table/table_projects.htm'
    create_form_obj = ProjectForm
    create_form_url = '/hostmgr/create_project/'
    create_form_title = '<b>Add Project: </b><small> </small>'
    create_form_modal = 'add_project'
    create_form_link_title = 'add project'
```

```
from handyhelpers.views.gui import HandyHelperListPlusFilterView

class ListProjects(HandyHelperListPlusFilterView):
    queryset = Project.objects.all()
    title = 'Projects'
    page_description = 'my cool projects'
    table = 'table/table_projects.htm'
    filter_form_obj = ProjectForm
    filter_form_url = '/hostmgr/filter_project/'
    filter_form_title = '<b>Filter Projects: </b><small> </small>'
    filter_form_modal = 'filter_project'
    filter_form_link_title = 'filter project'
    filter_form_tool_tip = 'filter project'
```

## Export Views

Export views are available to easily render a queryset to csv or xls file. These views include the `FilterByQueryParamsMixin`, making filtered outputs available. These export views can be used as follows:

```
from handyhelpers.views import CsvExportView, ExcelExportView

class ExportMyModelCsv(CsvExportView):
    queryset = MyModel.objects.all()
```

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```
class ExportMyModelXls(ExcelExportView):
    queryset = MyModel.objects.all()
```

### 1.3.3 Mixins

#### FilterByQueryParamsMixin

The FilterByQueryParamsMixin allows a list view to show a filtered queryset results by query\_params provided in the URL.

Example:

```
from handyhelpers.mixins.view_mixins import FilterByQueryParamsMixin

class ListProjects(FilterByQueryParamsMixin, ListView):
    def get(self, request, *args, **kwargs):
        return render(request, "my_template.html", context={'queryset': self.filter_
↳by_query_params()})
```

#### InAllGroups

The InAllGroups permissions mixin restricts access based on request method and user group. User must be in ALL required groups.

optional: When settings variable MESSAGE\_ON\_PERMISSION\_DENY is set to True, an alert will be sent via messages and redirect will be to the HTTP\_REFERER instead of redirecting to the LOGIN\_URL.

**Usage:** Add as mixin to class definition and put the following in your viewset:

```
from handyhelpers.permissions import InAllGroups

def MyView(InAllGroups, View):
    permission_dict = {'POST': ['site_operators', 'site_admins'], 'GET': ['site_
↳operators']}
    ...
```

#### InAnyGroup

The InAnyGroup permission mixin will restrict access based on request method and user group. User can be in ANY required group.

optional: When settings variable MESSAGE\_ON\_PERMISSION\_DENY is set to True, an alert will be sent via messages and redirect will be to the HTTP\_REFERER instead of redirecting to the LOGIN\_URL.

**Usage:** Add as mixin to class definition and put the following in your viewset:

```
from handyhelpers.permissions import InAnyGroup

def MyView(InAnyGroup, View):
    permission_dict = {'POST': ['site_admins'], 'GET': ['site_admins', 'site_operators
↳']}
```



## InvalidLookupMixin

By default, drf viewsets will ignore an invalid field, filter, or lookup expression, causing the API to return all records. As this might not be the desired behaviour, handyhelpers provides a mixin for Django Rest Framework viewsets that checks query parameters and returns an error if any query parameter is not included in defined in a `filter_class` (typically defined in your filterset), and element of `filter_fields` (typically set in your viewset), or a valid model field. Order of precedence is: `filterset_class`, `filter_class`, `filterset_fields`, `filter_fields`, model field.

Examples:

```
from handyhelpers.mixins.viewset_mixins import InvalidLookupMixin

class MyModelViewSet(InvalidLookupMixin, viewsets.ReadOnlyModelViewSet):
```

## PaginationControlMixin

A mixin for Django Rest Framework viewsets that allows pagination to be disabled by including a specific query parameter. Default query parameter for disabling pagination is 'disable\_pagination' and this can be modified by setting the `PAGINATION_CONTROL_PARAMETER` variable to the desired value in django settings.

Examples:

```
from handyhelpers.mixins.viewset_mixins import PaginationControlMixin

class MyModelViewSet(PaginationControlMixin, viewsets.ReadOnlyModelViewSet):
```

## 1.4 Internals

The documentation below details some of the internal workings of django-userextensions and its components. This documentation is automatically generated from the source code. See the source code in github for full details.

<https://github.com/davidslusser/django-handychelpers>

### 1.4.1 GUI Views

**class** handyhelpers.views.gui.HandyHelperGenericBaseView(\*\*kwargs)

**Generic view used to set the `base_template` variable. This extends `django.view.generic.View` and will use the base template defined in the `BASE_TEMPLATE` settings variable or use `handyhelpers/handyhelpers_base_bs5.htm` if not provided.**

**class parameters:** `base_template` - base template used for rendering page; defaults to: `handyhelpers_base.htm`  
`args` - additional args to pass into the template `kwargs` - additional kwargs to pass into the template

**class** handyhelpers.views.gui.HandyHelperGenericBaseItemizedView(\*\*kwargs)

Generic view to include shared variables used in views itemized views, such as index and action views.

**class parameters:** `base_template` - base template used for rendering page; defaults to: `handyhelpers_base.htm`  
`args` - additional args to pass into the template `kwargs` - additional kwargs to pass into the template  
`title` - page title to use; will display in a H1 element  
`subtitle` - subtitle to use; will display in a H5 element (None if not provided)  
`item_list` - list of items/actions to display (one per card)  
`protected_item_list` - list of items/action only visible to members of `protected_group_name`  
`protected_group_name` - name of group to show `protected_item_list` items to

**class** handyhelpers.views.gui.HandyHelperGenericBaseListView (\*\*kwargs)

Generic list view used to set the base\_template, template, title, table, and modal variables. This extends django.view.generic.ListView and will use the base template defined in the BASE\_TEMPLATE settings variable or use handyhelpers/handyhelpers\_base\_bs5.htm if not provided. This view also includes the handyhelpers.mixins.view\_mixins.FilterByQueryParamsMixin mixin to allow filtering by query parameters.

**class parameters:** base\_template - base template used for rendering page; defaults to: handyhelpers\_base.htm  
 template\_name - template used when rendering page; defaults to: handyhelpers/generic/generic\_list.html  
 title - title to use in template table - htm file rendering the queryset to be included in the generic\_list template modals - htm file rendering additional modals to be included in the generic\_list template add\_static - additional static file to include on the template add\_template - additional template to include on the template

**class** handyhelpers.views.gui.HandyHelperActionView (\*\*kwargs)

Action page with actions/options listed as 'zoom-cards' in flex-box container(s)

**class parameters:** base\_template - base template used for rendering page; defaults to: handyhelpers\_base.htm args - additional args to pass into the template kwargs - additional kwargs to pass into the template template\_name - template used when rendering page; defaults to: handyhelpers/generic/bs5/generic\_action.html title - page title to use; will display in a H1 element subtitle - subtitle to use; will display in a H5 element (None if not provided) item\_list - list of items/actions to display (one per card) protected\_item\_list - list of items/action only visible to members of protected\_group\_name protected\_group\_name - name of group to show protected\_item\_list items to form\_list - list of django forms used in page

**class** handyhelpers.views.gui.HandyHelperAboutView (\*\*kwargs)

Generic view to render an 'about' page.

**class parameters:** base\_template - base template used for rendering page; defaults to: handyhelpers\_base.htm args - additional args to pass into the template kwargs - additional kwargs to pass into the template template\_name - template used when rendering page; defaults to: handyhelpers/generic/generic\_about.html title - page title to use ('About' if not provided) subtitle - subtitle to use (None if not provided) version - version to display (None if not provided) details - any specific details to display (None if not provided) source - link to source code repository (None if not provided) contact - any desired contact information (None if not provided) links - list of dictionary containing links; ex. [{ 'some reference': 'www.somewebsite.com'}, ...]

**class** handyhelpers.views.gui.HandyHelperSingletonView (\*\*kwargs)

View for rendering a page based on a SingletonModel

**class parameters:** base\_template - base template used for rendering page; defaults to: handyhelpers\_base.htm args - additional args to pass into the template kwargs - additional kwargs to pass into the template template\_name - template used when rendering page model - singleton model

**class** handyhelpers.views.gui.HandyHelperListView (\*\*kwargs)

A reusable generic base view to render a ListView where the child view will provide a html table and a create form and a filter form.

**class parameters:**

**base\_template - base template used for rendering page;** defaults to: handyhelpers\_base.htm

**template\_name - template used when rendering page; defaults to:** handyhelpers/generic/generic\_list.html

args - additional args to pass into the template kwargs - additional kwargs to pass into the template queryset - queryset to be rendered on the page title - title to use in template page\_description - subtitle to use in template table - htm file rendering the queryset to be included in the generic\_list template modals - htm file rendering additional modals to be included in the generic\_list template add\_static - additional static file to include on the template add\_template - additional template to include on the template allow\_create\_groups - comma separated list of groups that are allowed to create a new record; used with

InAnyGroup mixin

create\_form\_obj - create form object create\_form\_url - url the create form (action) should post to create\_form\_title - title to use on the create form modal (can be html) create\_form\_modal - name of modal for the create form create\_form\_modal\_scrollable - add vertical scrolling to modal body create\_form\_modal\_size - bootstrap modal size class (such as modal-lg) create\_form\_modal\_backdrop - optional data-backdrop value(such as data-backdrop="static") create\_form\_link\_title - text used for the link opening the create form create\_form\_tool\_tip - text to use for the create form link tooltip create\_form\_autocomplete - autocomplete parameter to use in form tag (on/off)

filter\_form\_obj - filter form object filter\_form\_url - url the filter form (action) should post to filter\_form\_title - title to use on the filter form modal (can be html) filter\_form\_modal - name of modal for the filter form filter\_form\_modal\_backdrop - optional data-backdrop value(such as data-backdrop="static") filter\_form\_modal\_scrollable - add vertical scrolling to modal body filter\_form\_modal\_size - bootstrap modal size class (such as modal-lg) filter\_form\_link\_title - text used for the link opening the filter form filter\_form\_tool\_tip - text to use for the filter form link tooltip filter\_form\_undo - include an undo icon to clear applied filters filter\_form\_autocomplete - autocomplete parameter to use in form tag (on/off)

**example:**

```
class ListProjects(HandyHelperListView):
    queryset = Project.objects.all()
    title = 'Projects'
    page_description = 'my cool projects'
    table = 'table/table_projects.htm'

    create_form_obj = ProjectForm
    create_form_url = '/hostmgr/create_project/'
    create_form_title = '<b>Add Project: </b><small> </small>'
    create_form_modal = 'add_project'
    create_form_modal_backdrop = 'static'
    create_form_link_title = 'add project'
    create_form_tool_tip = 'add project'

    filter_form_obj = ProjectForm
    filter_form_url = '/hostmgr/filter_project/'
    filter_form_title = '<b>Filter Projects: </b><small> </small>'
    filter_form_modal = 'filter_projects'
    filter_form_modal_backdrop = 'static'
    filter_form_link_title = 'filter projects'
    filter_form_tool_tip = 'filter projects'
    filter_form_undo = True
```

```
class handyhelpers.views.gui.HandyHelperListPlusCreateView(**kwargs)
```

A reusable generic base view to render a ListView where the child view will provide a html table and create form.

**class parameters:** base\_template - base template used for rendering page; defaults to: handyhelpers\_base.htm  
template\_name - template used when rendering page;

defaults to: handyhelpers/generic/generic\_list.html

args - additional args to pass into the template kwargs - additional kwargs to pass into the template  
queryset - queryset to be rendered on the page title - title to use in template page\_description - subtitle to use in template table - htm file rendering the queryset to be included in the generic\_list template  
modals - htm file rendering additional modals to be included in the generic\_list template  
add\_static - additional static file to include on the template  
add\_template - additional template to include on the template  
allow\_create\_groups - comma separated list of groups that are allowed to create a new record

create\_form\_obj - form object create\_form\_url - url the form (action) should post to create\_form\_title - title to use on the create form modal (can be html) create\_form\_modal - name of modal for the create form create\_form\_modal\_backdrop - optional data-backdrop value(such as data-backdrop="static") filter\_form\_modal\_scrollable - add vertical scrolling to modal body create\_form\_modal\_size - bootstrap modal size class (such as modal-lg) create\_form\_link\_title - text used for the link opening the create form create\_form\_tool\_tip - text to use for the tooltip create\_form\_autocomplete - autocomplete parameter to use in form tag (on/off)

**example:**

```
class ListProjects(HandyHelperBaseCreateListView):
    queryset = Project.objects.all() title = 'Projects'
    page_description = 'my cool projects' table = 'table/table_projects.htm'

    create_form_obj = ProjectForm create_form_url = '/hostmgr/create_project/' create_form_title
    = '<b>Add Project: </b><small> </small>' create_form_modal = 'add_project' cre-
    ate_form_modal_size = 'modal-lg' create_form_modal_backdrop = 'static' create_form_link_title =
    'add project' create_form_tool_tip = 'add project'
```

```
class handyhelpers.views.gui.HandyHelperListPlusFilterView(**kwargs)
```

A reusable generic base view to render a ListView where the child view will provide a html table and filter form.

**class parameters:** base\_template - base template used for rendering page; defaults to: handyhelpers\_base.htm  
 template\_name - template used when rendering page;

defaults to: handyhelpers/generic/generic\_list.html

args - additional args to pass into the template kwargs - additional kwargs to pass into the template  
 queryset - queryset to be rendered on the page title - title to use in template page\_description - subtitle to use in  
 template table - htm file rendering the queryset to be included in the generic\_list template modals - htm file  
 rendering additional modals to be included in the generic\_list template add\_static - additional static file to  
 include on the template add\_template - additional template to include on the template

filter\_form\_obj - form object filter\_form\_url - url the form (action) should post to filter\_form\_title -  
 title to use on the filter form modal (can be html) filter\_form\_modal - name of modal for the filter  
 form filter\_form\_modal\_backdrop - optional data-backdrop value(such as data-backdrop="static") fil-  
 ter\_form\_modal\_scrollable - add vertical scrolling to modal body filter\_form\_modal\_size - bootstrap  
 modal size class (such as modal-lg) filter\_form\_link\_title - text used for the link opening the filter form  
 filter\_form\_tool\_tip - text to use for the tooltip filter\_form\_undo - include an undo icon to clear applied  
 filters filter\_form\_autocomplete - autocomplete parameter to use in form tag (on/off)

**example:**

```
class ListProjects(HandyHelperListPlusFilterView):
    queryset = Project.objects.all() title = 'Projects'
    page_description = 'my cool projects' table = 'table/table_projects.htm'

    filter_form_obj = ProjectForm filter_form_url = '/hostmgr/filter_project/' filter_form_title
    = '<b>Filter Projects: </b><small> </small>' filter_form_modal = 'filter_project' fil-
    ter_form_modal_size = 'modal-lg' filter_form_modal_backdrop = 'static' filter_form_link_title
    = 'filter project' filter_form_tool_tip = 'filter project'
```

```
class handyhelpers.views.gui.HandyHelperListPlusCreateAndFilterView(**kwargs)
```

A reusable generic base view to render a ListView where the child view will provide a html table and a  
 create form and a filter form.

**class parameters:**

**base\_template** - base template used for rendering page; defaults to: handyhelpers\_base.htm

**template\_name** - template used when rendering page; defaults to: handyhelpers/generic/generic\_list.html

args - additional args to pass into the template kwargs - additional kwargs to pass into the template  
 queryset - queryset to be rendered on the page title - title to use in template page\_description - subtitle to use in  
 template table - htm file rendering the queryset to be included in the generic\_list template modals - htm file  
 rendering additional modals to be included in the generic\_list template add\_static - additional static file to  
 include on the template add\_template - additional template to include on the template allow\_create\_groups  
 - comma separated list of groups that are allowed to create a new record; used with

InAnyGroup mixin

create\_form\_obj - create form object create\_form\_url - url the create form (action) should post to cre-  
 ate\_form\_title - title to use on the create form modal (can be html) create\_form\_modal - name of

modal for the create form create\_form\_modal\_scrollable - add vertical scrolling to modal body create\_form\_modal\_size - bootstrap modal size class (such as modal-lg) create\_form\_modal\_backdrop - optional data-backdrop value (such as data-backdrop="static") create\_form\_link\_title - text used for the link opening the create form create\_form\_tool\_tip - text to use for the create form link tooltip create\_form\_autocomplete - autocomplete parameter to use in form tag (on/off)

filter\_form\_obj - filter form object filter\_form\_url - url the filter form (action) should post to filter\_form\_title - title to use on the filter form modal (can be html) filter\_form\_modal - name of modal for the filter form filter\_form\_modal\_backdrop - optional data-backdrop value (such as data-backdrop="static") filter\_form\_modal\_scrollable - add vertical scrolling to modal body filter\_form\_modal\_size - bootstrap modal size class (such as modal-lg) filter\_form\_link\_title - text used for the link opening the filter form filter\_form\_tool\_tip - text to use for the filter form link tooltip filter\_form\_undo - include an undo icon to clear applied filters filter\_form\_autocomplete - autocomplete parameter to use in form tag (on/off)

**example:**

```
class ListProjects(HandyHelperBaseCreateListView):
    queryset = Project.objects.all()
    title = 'Projects'
    page_description = 'my cool projects'
    table = 'table/table_projects.htm'

    create_form_obj = ProjectForm
    create_form_url = '/hostmgr/create_project/'
    create_form_title = '<b>Add Project: </b><small> </small>'
    create_form_modal = 'add_project'
    create_form_modal_backdrop = 'static'
    create_form_link_title = 'add project'
    create_form_tool_tip = 'add project'

    filter_form_obj = ProjectForm
    filter_form_url = '/hostmgr/filter_project/'
    filter_form_title = '<b>Filter Projects: </b><small> </small>'
    filter_form_modal = 'filter_projects'
    filter_form_modal_backdrop = 'static'
    filter_form_link_title = 'filter projects'
    filter_form_tool_tip = 'filter projects'
    filter_form_undo = True
```

## 1.4.2 Export Views

**class** handyhelpers.views.export.CsvExportView (\*\*kwargs)

View to dump a queryset to a csv file

**class parameters:** queryset - queryset to be rendered on the page filename - filename for the output file created; model name used if not provided

**class** handyhelpers.views.export.ExcelExportView (\*\*kwargs)

View to dump a queryset to a xls file

**class parameters:** queryset - queryset to be rendered on the page filename - filename for the output file created; model name used if not provided

## 1.4.3 View Mixins

**class** handyhelpers.mixins.view\_mixins.FilterByQueryParamsMixin

Mixin used to evaluate query parameters provided in the URL and update a queryset accordingly. This is typically used on list views. Query parameters passed must be valid model fields. Invalid parameters are ignored.

**class parameters:** request - request object queryset - django queryset page\_description - optional parameter used to describe page; typically used as a page subtitle distinct - optional parameter to make queryset include only distinct results

**example usage:** class HandyHelperGenericBaseListView(FilterByQueryParamsMixin, ListView)

**filter\_by\_query\_params** ()

**Description:** Filters a queryset by query\_params in the URL

**Returns:** filtered queryset

## 1.4.4 Viewset Mixins

**class** handyhelpers.mixins.viewset\_mixins.InvalidLookupMixin

A mixin for Django Rest Framework viewsets to check query parameters and return an error if any query parameter is not included in defined in a filter\_class (typically defined in your filterset), and element of filter\_fields (typically set in your viewset), or a valid model field. Order of precedence is: filter\_class, filterset\_fields, filter\_fields, model field.

**class parameters:** request - request object (as provided by Viewset) model - django model (as provided by Viewset) queryset - django queryset (as provided by Viewset) filterset\_class - optional filterset\_class (as provided by Viewset) filter\_class - optional filter\_class (as provided by Viewset) filterset\_fields - optional filterset\_fields (as provided by Viewset) filter\_fields - optional filter\_fields (as provided by Viewset)

**example usage:** class MyModelViewSet(InvalidLookupMixin, viewsets.ReadOnlyModelViewSet):

**get\_lookup\_expression** (fs\_filter, related\_field=None, lookup\_expression\_list=None)  
get lookup expressions as defined in a FilterSet filter

**Args:** fs\_filter: list of filters as defined in the filterset related\_field: related field as defined in filterset  
lookup\_expression\_list: list of lookup expressions as defined for a field in a filterset

**Returns:** list of filtered lookup expressions

**class** handyhelpers.mixins.viewset\_mixins.PaginationControlMixin

A mixin for Django Rest Framework viewsets that allows pagination to be disabled by including a specific query parameter. Default query parameter for disabling pagination is 'disable\_pagination' and this can be modified by setting the PAGINATION\_CONTROL\_PARAMETER variable to the desired value in django settings.

## 1.4.5 Permission Mixins

**Description:** Collection of helpers to assist with permissions on views

**How to use:** Add in your view as a mixin and define groups per method in permission\_dict. Example:

**class MyView(InAnyGroup, View):**

**permission\_dict** = {'POST': ['superusers'], 'GET': ['operators'] }

**class** handyhelpers.permissions.InAllGroups

**Description:** Restrict access based on request method and user group; user must be in ALL required groups

**Usage:**

**add as mixin to class definition and put the following in your viewset:**

**permission\_dict** = {'POST': ['site\_operators', 'site\_admins'],  
                      'GET': ['site\_operators'],  
                      }

**to restrict POST, but allow GET for all users use the following:**

**permission\_dict** = {'POST': ['site\_admins'],  
                      'GET': [],  
                      }

**class** handyhelpers.permissions.InAnyGroup

**Description:** Restrict access based on request method and user group; user can be in ANY required group

**Usage:**

**add as mixin to class definition and put the following in your viewset:**

```
permission_dict = {'POST': ['site_admins'],
                  'GET': ['site_admins', 'site_operators'],
                  }
```

**to restrict POST, but allow GET for all users use the following:**

```
permission_dict = {'POST': ['site_admins'],
                  'GET': [],
                  }
```

### 1.4.6 DRF Permission Mixins

Permissions classes used with DRF APIs

**class** handyhelpers.drf\_permissions.IsInAllGroups

**Description:** Restrict access based on request method and user group; user must be in ALL required groups

**Usage:**

**put the following in your viewset:** permission\_classes = (IsInAllGroups,) required\_groups = {'POST': ['site\_admins'],

```
    'PATCH': ['site_admins'], 'PUT': ['site_admins'], 'DELETE': ['site_admins',
    'site_managers'],
    }
```

**has\_permission** (request, view)

Return *True* if permission is granted, *False* otherwise.

**class** handyhelpers.drf\_permissions.IsInAnyGroup

**Description:** Restrict access based on request method and user group; user can be in ANY required group

**Usage:**

**put the following in your viewset:** permission\_classes = (IsInAnyGroup,) required\_groups = {'POST': ['site\_admins'],

```
    'PATCH': ['site_admins'], 'PUT': ['site_admins'], 'DELETE': ['site_admins', 'superusers'],
    }
```

**has\_permission** (request, view)

Return *True* if permission is granted, *False* otherwise.

## 1.5 Version History

Release	Details
0.1.24	adding new template tags
0.1.5	adding modal size parameter for modals used in create and filter forms
0.1.0	updates to support django 3.2
0.0.27	added HandyHelperListPlusFilterView and HandyHelperListPlusCreateAndFilterView
0.0.26	updated docstrings for views; added arg/kwargs to views
0.0.25	removing djangohelpers path; only using handyhelpers now
0.0.24	added zoom and card css
0.0.23	adding support for drf-dynamic-fields in INVALID_LOOKUP_SKIP_LIST
0.0.22	adding INVALID_LOOKUP_SKIP_LIST parameter via settings variable for InvalidLookupMixin
0.0.21	updating jinja templates and output path for drf generation
0.0.20	adding related_objects and distinct option to FilterByQueryParamsMixin

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### h

- `handyhelpers.drf_permissions`, [11](#)
- `handyhelpers.mixins.view_mixins`, [9](#)
- `handyhelpers.mixins.viewset_mixins`, [10](#)
- `handyhelpers.permissions`, [10](#)
- `handyhelpers.views.export`, [9](#)
- `handyhelpers.views.gui`, [5](#)



## C

CsvExportView (class in handyhelpers.views.export), 9

## E

ExcelExportView (class in handyhelpers.views.export), 9

## F

filter\_by\_query\_params() (handyhelpers.mixins.view\_mixins.FilterByQueryParamsMixin method), 9

FilterByQueryParamsMixin (class in handyhelpers.mixins.view\_mixins), 9

## G

get\_lookup\_expression() (handyhelpers.mixins.viewset\_mixins.InvalidLookupMixin method), 10

## H

HandyHelperAboutView (class in handyhelpers.views.gui), 6

HandyHelperActionView (class in handyhelpers.views.gui), 6

HandyHelperGenericBaseItemizedView (class in handyhelpers.views.gui), 5

HandyHelperGenericBaseListView (class in handyhelpers.views.gui), 5

HandyHelperGenericBaseView (class in handyhelpers.views.gui), 5

HandyHelperListPlusCreateAndFilterView (class in handyhelpers.views.gui), 8

HandyHelperListPlusCreateView (class in handyhelpers.views.gui), 7

HandyHelperListPlusFilterView (class in handyhelpers.views.gui), 8

HandyHelperListView (class in handyhelpers.views.gui), 6

handyhelpers.drf\_permissions (module), 11  
handyhelpers.mixins.view\_mixins (module), 9

handyhelpers.mixins.viewset\_mixins (module), 10

handyhelpers.permissions (module), 10

handyhelpers.views.export (module), 9

handyhelpers.views.gui (module), 5

HandyHelperSingletonView (class in handyhelpers.views.gui), 6

has\_permission() (handyhelpers.drf\_permissions.IsInAllGroups method), 11

has\_permission() (handyhelpers.drf\_permissions.IsInAnyGroup method), 11

InAllGroups (class in handyhelpers.permissions), 10  
InAnyGroup (class in handyhelpers.permissions), 10

InvalidLookupMixin (class in handyhelpers.mixins.viewset\_mixins), 10

IsInAllGroups (class in handyhelpers.drf\_permissions), 11

IsInAnyGroup (class in handyhelpers.drf\_permissions), 11

## P

PaginationControlMixin (class in handyhelpers.mixins.viewset\_mixins), 10