

## Self Service Terminal for Health Insurance Offices

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# Chapter 1

## Namespace Index

### 1.1 Namespace List

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### 2.1 Class Hierarchy

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## Chapter 3

# Class Index

### 3.1 Class List

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## Chapter 5

# Namespace Documentation

### 5.1 manage Namespace Reference

#### Functions

- def [main](#) ()

#### 5.1.1 Detailed Description

Django's command-line utility for administrative tasks.

#### 5.1.2 Function Documentation

##### 5.1.2.1 main()

```
def manage.main ( )
```

Definition at line 7 of file manage.py.

### 5.2 self\_service\_terminal Namespace Reference

#### Namespaces

- [actions](#)
- [admin](#)
- [apps](#)
- [constants](#)
- [models](#)
- [printer\\_status](#)
- [tests](#)
- [urls](#)
- [views](#)

## 5.3 self\_service\_terminal.actions Namespace Reference

### Functions

- def [export\\_action](#) (modeladmin, request, queryset)
- def [import\\_action](#) (modeladmin, request, queryset)

### 5.3.1 Function Documentation

#### 5.3.1.1 export\_action()

```
def self_service_terminal.actions.export_action (
    modeladmin,
    request,
    queryset )
```

Definition at line 5 of file actions.py.

#### 5.3.1.2 import\_action()

```
def self_service_terminal.actions.import_action (
    modeladmin,
    request,
    queryset )
```

Get the zipfile that was last added and import its data.

Definition at line 8 of file actions.py.

## 5.4 self\_service\_terminal.admin Namespace Reference

### Classes

- class [FormAdmin](#)
- class [FormInline](#)
- class [FormResource](#)
- class [MenuAdmin](#)
- class [MenuInline](#)
- class [MenuResource](#)
- class [MyAdminSite](#)
- class [Terminal\\_SettingsAdmin](#)
- class [Terminal\\_SettingsResource](#)

## Variables

- `admin_site` = `MyAdminSite(name='myadmin')`
- `site_header`

### 5.4.1 Detailed Description

Customizations for the admin site.

This document defines among other things which fields appear on the admin page and can be edited.

### 5.4.2 Variable Documentation

#### 5.4.2.1 admin\_site

```
self_service_terminal.admin.admin_site = MyAdminSite(name='myadmin')
```

Definition at line 18 of file admin.py.

#### 5.4.2.2 site\_header

```
self_service_terminal.admin.site_header
```

Definition at line 23 of file admin.py.

## 5.5 self\_service\_terminal.apps Namespace Reference

### Classes

- class `SelfServiceTerminalConfig`

## 5.6 self\_service\_terminal.constants Namespace Reference

### Variables

- int `TITLE_LENGTH` = 100
- string `PRINTER` = "some\_name"
- int `BUTTONS_PER_PAGE` = 5
- `EXPORT_PATH` = `Path(BASE_DIR).parent.joinpath('export')`

### 5.6.1 Detailed Description

Constants for the whole project.

### 5.6.2 Variable Documentation

#### 5.6.2.1 BUTTONS\_PER\_PAGE

```
int self_service_terminal.constants.BUTTONS_PER_PAGE = 5
```

Definition at line 8 of file constants.py.

#### 5.6.2.2 EXPORT\_PATH

```
self_service_terminal.constants.EXPORT_PATH = Path(BASE_DIR).parent.joinpath('export')
```

Definition at line 9 of file constants.py.

#### 5.6.2.3 PRINTER

```
string self_service_terminal.constants.PRINTER = "some_name"
```

Definition at line 7 of file constants.py.

#### 5.6.2.4 TITLE\_LENGTH

```
int self_service_terminal.constants.TITLE_LENGTH = 100
```

Definition at line 6 of file constants.py.

## 5.7 self\_service\_terminal.models Namespace Reference

### Classes

- class [Form](#)
- class [Menu](#)
- class [Terminal\\_Settings](#)

## 5.8 self\_service\_terminal.printer\_status Namespace Reference

### Functions

- def [get\\_cups\\_status](#) ()

### 5.8.1 Function Documentation

#### 5.8.1.1 get\_cups\_status()

```
def self_service_terminal.printer_status.get_cups_status ( )
```

Definition at line 3 of file printer\_status.py.

## 5.9 self\_service\_terminal.tests Namespace Reference

### Classes

- class [DefaultTestCase](#)
- class [ExportImportTestCase](#)
- class [NoPdfSetTestCase](#)
- class [PaginationTestCase](#)
- class [ProductionCase](#)
- class [UnconnectedConfiguration](#)

### 5.9.1 Detailed Description

Automated Tests.

Test database structure:

```
- Settings >-|
- Menu <-----| Homepage
|
-<- Submenu
|
-<- Form
```

Configurations for Settings:

1. Homepage set/not set
2. colorval\_\* set/not set (default?)
3. \*\_logo set/not set

Configurations for Menu:

1. parent\_menu set/not set

Configurations for Submenu:

1. parent\_menu set to Menu

Configurations for Form:

1. pdffile set/not set
2. show-on-frontend True/False

General tests for every different configuration:

1. Return of Status Code 200 for
  - /
  - /menu/<pk-of-Menu>
  - /menu/<pk-of-Submenu>
  - /form/<pk-of-Form>
2. Return of Status Code 204 for
  - /form/<pk-of-Form>/print
3. Check for return code of lpr-command == 0
4. (T0010) Test the user navigation:  
Depth-first-search via menu and form URLs starting from the homepage.
5. (T0010) Check tree structure via Primary Keys against proposed structure in setUp method.
6. (T0030) If no PDF is set in the admin panel, no PDF should be printed out and an error message should be displayed.
7. (T0040) Test Upload of a PDF in the admin panel:
  - check if files/forms/<pdf\_name> exists
  - check files/forms/<pdf\_name> is in database form entry (form.url, form.path?)
8. (T0050) Add Form object with attributes and
  - Check if values of attributes are saved in database.
  - Change these values via the admin panel and check if the new values are present in the database.
9. (T0060) Delete Form object via admin panel and
  - check if database entries have been deleted.
  - check if foreign key entries have been deleted.
10. (T0070) Change color values via admin panel
  - check if color values have been changed in database.
  - check if colors have changed in frontend.
- Upload logos via admin panel and
  - check if files/images/<logo\_name> exists in file system.
  - check if database entries have been added for the logos.
  - check if logos are present in the frontend.
11. (T0080) Export and Import  
Run the export function and
  - check if exported json file exists in file system at EXPORT\_PATH/export/<YYYY-MM-DD\_menu-export.json> and EXPORT\_PATH/export/<YYYY-MM-DD\_form-export.json>.
  - assert that the exported json files are equal to the expected ones.
 Run the import function on a database with only the settings and homepage object and
  - check the database if the new objects exists.
  - check the values of all objects against how they should be set.
12. (T0090) Pagination test  
Create a menu with more then 5 submenus and forms.
  - Check via regex if the links for pagination appear.
  - Check via URL parameters if pagination works.

## 5.10 self\_service\_terminal.urls Namespace Reference

### Variables

- [list urlpatterns](#)
- [MEDIA\\_URL](#)
- [document\\_root](#)

#### 5.10.1 Detailed Description

Defines the URL Patterns used in the project.

#### 5.10.2 Variable Documentation



### 5.10.2.1 document\_root

`self_service_terminal.urls.document_root`

Definition at line 28 of file `self_service_terminal/urls.py`.

### 5.10.2.2 MEDIA\_URL

`self_service_terminal.urls.MEDIA_URL`

Definition at line 28 of file `self_service_terminal/urls.py`.

### 5.10.2.3 urlpatterns

`list self_service_terminal.urls.urlpatterns`

**Initial value:**

```
1 = [
2     path("", views.index, name='index'),
3     path('menu/<int:menu_id>/', views.menu, name="menu_id"),
4     path('menu/<str:menu_title>/', views.menu, name="menu_title"),
5     path('form/<int:form_id>/', views.formular, name="form_id"),
6     path('form/<int:form_id>/print', views.print_formular, name="form_print"),
7     path('form/<int:form_id>/print/', views.print_formular, name="form_print"),
8     path('form/<str:form_title>/', views.formular, name="form_title"),
9     path('form/<int:form_id>/view', views.view_formular, name="form_id"),
10
11     # Django Templatesprache Test
12     path('dtl/<int:menu_id>/', views.menu_template_test),
13     path('dtl/', views.menu_template_test),
14     path('myadmin/', admin_site.urls)
15 ]
```

Definition at line 11 of file `self_service_terminal/urls.py`.

## 5.11 self\_service\_terminal.views Namespace Reference

### Functions

- def [get\\_settings](#) ()
- def [get\\_homepage](#) ()
- def [index](#) (request)
- def [menu](#) (request, menu\_id=None, menu\_title=None)
- def [formular](#) (request, form\_id=None, form\_title=None)
- def [view\\_formular](#) (request, form\_id=None, form\_title=None)
- def [print\\_formular](#) (request, form\_id=None)
- def [export\\_view](#) (request=HttpRequest(), return\_string=False, path=EXPORT\_PATH, export\_as\_zip=True)
- def [import\\_view](#) (request=HttpRequest(), import\_string=False, imported\_data=None)
- def [menu\\_template\\_test](#) (request, menu\_id=None, menu\_title=None)
- def [export\\_action](#) (modeladmin, request, queryset)

## 5.11.1 Function Documentation

### 5.11.1.1 `export_action()`

```
def self_service_terminal.views.export_action (
    modeladmin,
    request,
    queryset )
```

Definition at line 432 of file views.py.

### 5.11.1.2 `export_view()`

```
def self_service_terminal.views.export_view (
    request = HttpRequest(),
    return_string = False,
    path = EXPORT_PATH,
    export_as_zip = True )
```

Export the database entries of settings, menus and forms. Copy all files from the director files to the export directory.

If `return_string = True` return only the database entries as an json-formatted string.

Definition at line 176 of file views.py.

### 5.11.1.3 `formular()`

```
def self_service_terminal.views.formular (
    request,
    form_id = None,
    form_title = None )
```

Render and return the form site with the primary key `<form_id>`.

Create a preview image for the PDF to be printed. Then render and return the form page.

Definition at line 103 of file views.py.

#### 5.11.1.4 get\_homepage()

```
def self_service_terminal.views.get_homepage ( )
```

Definition at line 24 of file views.py.

#### 5.11.1.5 get\_settings()

```
def self_service_terminal.views.get_settings ( )
```

Definition at line 20 of file views.py.

#### 5.11.1.6 import\_view()

```
def self_service_terminal.views.import_view (
    request = HttpRequest(),
    import_string = False,
    imported_data = None )
```

Import the files that have been exported by the export\_view.

This view copies all exported files to the files installation directory, deletes all settings, menu and form entries on the database and adds the exported settings, menus and forms to the database. If import\_string = True then imported\_data should be a string as returned by the export\_view if its return\_string = True.

Definition at line 265 of file views.py.

#### 5.11.1.7 index()

```
def self_service_terminal.views.index (
    request )
```

Render and return the homepage.

If more then BUTTONS\_PER\_PAGE submenus and subforms are present, render additional pages with the remaining buttons, which can be accessed by pressing navigation buttons on the left and right side of the screen.

Definition at line 28 of file views.py.

#### 5.11.1.8 menu()

```
def self_service_terminal.views.menu (
    request,
    menu_id = None,
    menu_title = None )
```

Render and return the menu site with the primary key <menu\_id>.

If more then `BUTTONS_PER_PAGE` submenus and subforms are present, render additional pages with the remaining buttons, which can be accessed by pressing navigation buttons on the left and right side of the screen.

Definition at line 63 of file `views.py`.

#### 5.11.1.9 menu\_template\_test()

```
def self_service_terminal.views.menu_template_test (
    request,
    menu_id = None,
    menu_title = None )
```

Only for testing purposes.

Definition at line 373 of file `views.py`.

#### 5.11.1.10 print\_formular()

```
def self_service_terminal.views.print_formular (
    request,
    form_id = None )
```

Run the print method of the given form object and return a loading animation that redirects to the homepage after some seconds.  
If the file has not been printed properly, return a `HttpResponse 404`.

Definition at line 159 of file `views.py`.

#### 5.11.1.11 view\_formular()

```
def self_service_terminal.views.view_formular (
    request,
    form_id = None,
    form_title = None )
```

Definition at line 143 of file `views.py`.

## 5.12 sp4 Namespace Reference

### Namespaces

- [asgi](#)
- [settings](#)
- [urls](#)
- [wsgi](#)

## 5.13 sp4.asgi Namespace Reference

### Variables

- [application](#) = `get_asgi_application()`

### 5.13.1 Detailed Description

ASGI config for sp4 project.

It exposes the ASGI callable as a module-level variable named `application`.

For more information on this file, see  
<https://docs.djangoproject.com/en/3.0/howto/deployment/asgi/>

### 5.13.2 Variable Documentation

#### 5.13.2.1 application

```
sp4.asgi.application = get_asgi_application()
```

Definition at line 16 of file `asgi.py`.

## 5.14 sp4.settings Namespace Reference

### Variables

- `BASE_DIR` = `os.path.dirname(os.path.dirname(os.path.abspath(__file__)))`
- string `SECRET_KEY` = `'hvyf2=t2mhmrpo0tlecy#uv#(ge9n*-l33^17@na*ap49-#g)'`
- bool `DEBUG` = `True`
- list `ALLOWED_HOSTS` = `['192.168.4.1', '192.168.2.200']`
- list `INSTALLED_APPS`
- list `MIDDLEWARE`
- string `ROOT_URLCONF` = `'sp4.urls'`
- list `TEMPLATES`
- string `WSGI_APPLICATION` = `'sp4.wsgi.application'`

- dictionary `DATABASES`
- list `AUTH_PASSWORD_VALIDATORS`
- string `LANGUAGE_CODE` = 'de-DE'
- string `TIME_ZONE` = 'Europe/Berlin'
- bool `USE_I18N` = True
- bool `USE_L10N` = True
- bool `USE_TZ` = True
- `STATIC_ROOT` = `os.path.join(BASE_DIR, 'self_service_terminal/static')`
- string `STATIC_URL` = '/static/'
- `MEDIA_ROOT` = `os.path.join(BASE_DIR, 'self_service_terminal/files')`
- string `MEDIA_URL` = '/files/'
- bool `IMPORT_EXPORT_USE_TRANSACTIONS` = True

### 5.14.1 Detailed Description

Django settings for sp4 project.

Generated by 'django-admin startproject' using Django 3.0.5.

For more information on this file, see  
<https://docs.djangoproject.com/en/3.0/topics/settings/>

For the full list of settings and their values, see  
<https://docs.djangoproject.com/en/3.0/ref/settings/>

### 5.14.2 Variable Documentation

#### 5.14.2.1 ALLOWED\_HOSTS

```
list sp4.settings.ALLOWED_HOSTS = ['192.168.4.1', '192.168.2.200']
```

Definition at line 29 of file settings.py.

#### 5.14.2.2 AUTH\_PASSWORD\_VALIDATORS

```
list sp4.settings.AUTH_PASSWORD_VALIDATORS
```

**Initial value:**

```
1 = [
2     {
3         'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
4     },
5     {
6         'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
7     },
8     {
9         'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
10    },
11    {
12        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
13    },
14 ]
```

Definition at line 92 of file settings.py.

### 5.14.2.3 BASE\_DIR

```
sp4.settings.BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
```

Definition at line 17 of file settings.py.

### 5.14.2.4 DATABASES

```
dictionary sp4.settings.DATABASES
```

**Initial value:**

```
1 = {  
2     'default': {  
3         'ENGINE': 'django.db.backends.sqlite3',  
4         'NAME': os.path.join(BASE_DIR, 'db.sqlite3'),  
5     }  
6 }
```

Definition at line 81 of file settings.py.

### 5.14.2.5 DEBUG

```
bool sp4.settings.DEBUG = True
```

Definition at line 27 of file settings.py.

### 5.14.2.6 IMPORT\_EXPORT\_USE\_TRANSACTIONS

```
bool sp4.settings.IMPORT_EXPORT_USE_TRANSACTIONS = True
```

Definition at line 138 of file settings.py.

### 5.14.2.7 INSTALLED\_APPS

```
list sp4.settings.INSTALLED_APPS
```

**Initial value:**

```
1 = [  
2     'self_service_terminal.apps.SelfServiceTerminalConfig',  
3     'django.contrib.admin',  
4     'django.contrib.auth',  
5     'django.contrib.contenttypes',  
6     'django.contrib.sessions',  
7     'django.contrib.messages',  
8     'django.contrib.staticfiles',  
9     'mod_wsgi.server',  
10    'import_export'  
11 ]
```

Definition at line 34 of file settings.py.

#### 5.14.2.8 LANGUAGE\_CODE

```
string sp4.settings.LANGUAGE_CODE = 'de-DE'
```

Definition at line 111 of file settings.py.

#### 5.14.2.9 MEDIA\_ROOT

```
sp4.settings.MEDIA_ROOT = os.path.join(BASE_DIR, 'self_service_terminal/files')
```

Definition at line 132 of file settings.py.

#### 5.14.2.10 MEDIA\_URL

```
string sp4.settings.MEDIA_URL = '/files/'
```

Definition at line 134 of file settings.py.

#### 5.14.2.11 MIDDLEWARE

```
list sp4.settings.MIDDLEWARE
```

##### Initial value:

```
1 = [  
2     'django.middleware.security.SecurityMiddleware',  
3     'django.contrib.sessions.middleware.SessionMiddleware',  
4     'django.middleware.common.CommonMiddleware',  
5     'django.middleware.csrf.CsrfViewMiddleware',  
6     'django.contrib.auth.middleware.AuthenticationMiddleware',  
7     'django.contrib.messages.middleware.MessageMiddleware',  
8     'django.middleware.clickjacking.XFrameOptionsMiddleware',  
9 ]
```

Definition at line 46 of file settings.py.

#### 5.14.2.12 ROOT\_URLCONF

```
string sp4.settings.ROOT_URLCONF = 'sp4.urls'
```

Definition at line 56 of file settings.py.



#### 5.14.2.13 SECRET\_KEY

```
string sp4.settings.SECRET_KEY = 'hvyf2=t2mhmypo0)tley#uv#(ge9n*-l33^17@na*ap49-#g)'
```

Definition at line 24 of file settings.py.

#### 5.14.2.14 STATIC\_ROOT

```
sp4.settings.STATIC_ROOT = os.path.join(BASE_DIR, 'self_service_terminal/static')
```

Definition at line 125 of file settings.py.

#### 5.14.2.15 STATIC\_URL

```
string sp4.settings.STATIC_URL = '/static/'
```

Definition at line 127 of file settings.py.

#### 5.14.2.16 TEMPLATES

```
list sp4.settings.TEMPLATES
```

##### Initial value:

```
1 = [  
2     {  
3         'BACKEND': 'django.template.backends.django.DjangoTemplates',  
4         'DIRS': [os.path.join(BASE_DIR, 'self_service_terminal/templates/admin')], # Path were overridden  
5         'APP_DIRS': True,  
6         'OPTIONS': {  
7             'context_processors': [  
8                 'django.template.context_processors.debug',  
9                 'django.template.context_processors.request',  
10                'django.contrib.auth.context_processors.auth',  
11                'django.contrib.messages.context_processors.messages',  
12                'django.template.context_processors.media',  
13            ],  
14        },  
15    },  
16 ]
```

Definition at line 58 of file settings.py.

#### 5.14.2.17 TIME\_ZONE

```
string sp4.settings.TIME_ZONE = 'Europe/Berlin'
```

Definition at line 113 of file settings.py.

#### 5.14.2.18 USE\_I18N

```
bool sp4.settings.USE_I18N = True
```

Definition at line 115 of file settings.py.

#### 5.14.2.19 USE\_L10N

```
bool sp4.settings.USE_L10N = True
```

Definition at line 117 of file settings.py.

#### 5.14.2.20 USE\_TZ

```
bool sp4.settings.USE_TZ = True
```

Definition at line 119 of file settings.py.

#### 5.14.2.21 WSGI\_APPLICATION

```
string sp4.settings.WSGI_APPLICATION = 'sp4.wsgi.application'
```

Definition at line 75 of file settings.py.

## 5.15 sp4.urls Namespace Reference

### 5.15.1 Detailed Description

sp4 URL Configuration

The 'urlpatterns' list routes URLs to views. For more information please see:  
<https://docs.djangoproject.com/en/3.0/topics/http/urls/>  
Examples:

Function views

1. Add an import: `from my_app import views`
2. Add a URL to urlpatterns: `path('', views.home, name='home')`

Class-based views

1. Add an import: `from other_app.views import Home`
2. Add a URL to urlpatterns: `path('', Home.as_view(), name='home')`

Including another URLconf

1. Import the include() function: `from django.urls import include, path`
2. Add a URL to urlpatterns: `path('blog/', include('blog.urls'))`

## 5.16 sp4.wsgi Namespace Reference

### Variables

- `application` = `get_wsgi_application()`

#### 5.16.1 Detailed Description

WSGI config for sp4 project.

It exposes the WSGI callable as a module-level variable named `application`.

For more information on this file, see  
<https://docs.djangoproject.com/en/3.0/howto/deployment/wsgi/>

#### 5.16.2 Variable Documentation

##### 5.16.2.1 `application`

```
sp4.wsgi.application = get_wsgi_application()
```

Definition at line 16 of file `wsgi.py`.

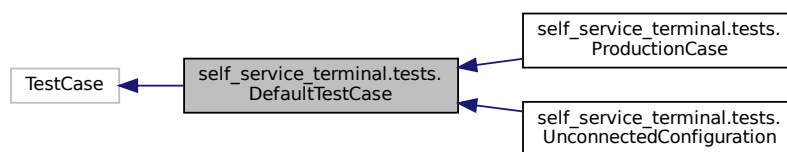


## Chapter 6

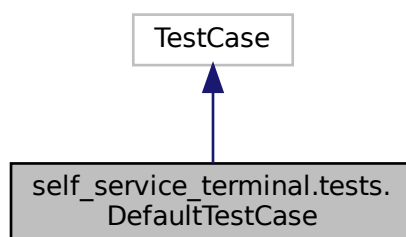
# Class Documentation

### 6.1 self\_service\_terminal.tests.DefaultTestCase Class Reference

Inheritance diagram for self\_service\_terminal.tests.DefaultTestCase:



Collaboration diagram for self\_service\_terminal.tests.DefaultTestCase:



#### Public Member Functions

- def `setUp` (self)
- def `test_homepage_availability` (self)

- [def test\\_menu\\_availability](#) (self)
- [def test\\_form\\_availability](#) (self)
- [def test\\_print\\_return\\_code](#) (self)
- [def test\\_cups\\_availability](#) (self)
- [def test\\_get\\_settings](#) (self)
- [def test\\_user\\_navigation](#) (self)
- [def test\\_menu\\_1](#) (self)
- [def test\\_pdf\\_file\\_exists](#) (self)
- [def test\\_pdf\\_database\\_relation](#) (self)
- [def test\\_change\\_color\\_values](#) (self)
- [def test\\_pagination](#) (self)

## Public Attributes

- [terminal\\_settings](#)
- [menu](#)
- [submenu](#)
- [form](#)
- [form2](#)
- [c](#)
- [custom\\_form](#)

### 6.1.1 Detailed Description

Default test case.

This class describes the default test case. It can be subclassed to overwrite the values in the setUp method. At least all values from this setUp method must be present in the subclass's setUp method, otherwise tests from DefaultTestCase will fail. If new values are added to the subclass in the setUp method, they can only be used in the test methods of the subclass.

Definition at line 88 of file tests.py.

### 6.1.2 Member Function Documentation

#### 6.1.2.1 setUp()

```
def self_service_terminal.tests.DefaultTestCase.setUp (
    self )
```

Reimplemented in [self\\_service\\_terminal.tests.ProductionCase](#), and [self\\_service\\_terminal.tests.UnconnectedConfiguration](#).

Definition at line 99 of file tests.py.

### 6.1.2.2 test\_change\_color\_values()

```
def self_service_terminal.tests.DefaultTestCase.test_change_color_values (
    self )
```

(T0070) Change the color values.

Definition at line 258 of file tests.py.

### 6.1.2.3 test\_cups\_availability()

```
def self_service_terminal.tests.DefaultTestCase.test_cups_availability (
    self )
```

Test the availability of the CUPS Server

Run the tests in an environment with the locale set to 'en\_US.utf8'  
equal results on all machines.

Definition at line 163 of file tests.py.

### 6.1.2.4 test\_form\_availability()

```
def self_service_terminal.tests.DefaultTestCase.test_form_availability (
    self )
```

Definition at line 147 of file tests.py.

### 6.1.2.5 test\_get\_settings()

```
def self_service_terminal.tests.DefaultTestCase.test_get_settings (
    self )
```

Definition at line 182 of file tests.py.

### 6.1.2.6 test\_homepage\_availability()

```
def self_service_terminal.tests.DefaultTestCase.test_homepage_availability (
    self )
```

Reimplemented in [self\\_service\\_terminal.tests.UnconnectedConfiguration](#).

Definition at line 128 of file tests.py.

#### 6.1.2.7 test\_menu\_1()

```
def self_service_terminal.tests.DefaultTestCase.test_menu_1 (
    self )
```

Definition at line 215 of file tests.py.

#### 6.1.2.8 test\_menu\_availability()

```
def self_service_terminal.tests.DefaultTestCase.test_menu_availability (
    self )
```

Definition at line 142 of file tests.py.

#### 6.1.2.9 test\_pagination()

```
def self_service_terminal.tests.DefaultTestCase.test_pagination (
    self )
```

(T0090)

Definition at line 275 of file tests.py.

#### 6.1.2.10 test\_pdf\_database\_relation()

```
def self_service_terminal.tests.DefaultTestCase.test_pdf_database_relation (
    self )
```

(T0050)

Definition at line 226 of file tests.py.

#### 6.1.2.11 test\_pdf\_file\_exists()

```
def self_service_terminal.tests.DefaultTestCase.test_pdf_file_exists (
    self )
```

(T0040)

Definition at line 219 of file tests.py.



#### 6.1.2.12 test\_print\_return\_code()

```
def self_service_terminal.tests.DefaultTestCase.test_print_return_code (
    self )

(T0020)
```

Definition at line 152 of file tests.py.

#### 6.1.2.13 test\_user\_navigation()

```
def self_service_terminal.tests.DefaultTestCase.test_user_navigation (
    self )

(T0010) Simulate a user navigating through the pages.
```

Definition at line 190 of file tests.py.

### 6.1.3 Member Data Documentation

#### 6.1.3.1 c

```
self_service_terminal.tests.DefaultTestCase.c
```

Definition at line 126 of file tests.py.

#### 6.1.3.2 custom\_form

```
self_service_terminal.tests.DefaultTestCase.custom_form
```

Definition at line 229 of file tests.py.

#### 6.1.3.3 form

```
self_service_terminal.tests.DefaultTestCase.form
```

Definition at line 111 of file tests.py.

#### 6.1.3.4 form2

```
self_service_terminal.tests.DefaultTestCase.form2
```

Definition at line 118 of file tests.py.

#### 6.1.3.5 menu

```
self_service_terminal.tests.DefaultTestCase.menu
```

Definition at line 103 of file tests.py.

#### 6.1.3.6 submenu

```
self_service_terminal.tests.DefaultTestCase.submenu
```

Definition at line 105 of file tests.py.

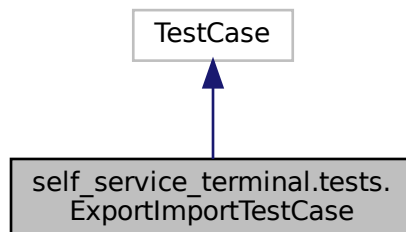
#### 6.1.3.7 terminal\_settings

```
self_service_terminal.tests.DefaultTestCase.terminal_settings
```

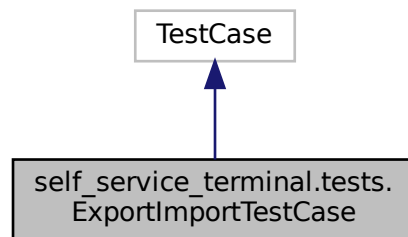
Definition at line 100 of file tests.py.

## 6.2 self\_service\_terminal.tests.ExportImportTestCase Class Reference

Inheritance diagram for self\_service\_terminal.tests.ExportImportTestCase:



Collaboration diagram for self\_service\_terminal.tests.ExportImportTestCase:



### Public Member Functions

- def [setUp](#) (self)
- def [test\\_export\\_as\\_string](#) (self)
- def [test\\_export\\_import\\_in\\_file](#) (self)
- def [test\\_number\\_of\\_db\\_entries\\_when\\_import\\_as\\_string](#) (self)

### Public Attributes

- [terminal\\_settings](#)
- [menu](#)
- [submenu](#)
- [form](#)
- [form2](#)
- [c](#)
- [expected\\_object](#)

#### 6.2.1 Detailed Description

Definition at line 409 of file tests.py.

#### 6.2.2 Member Function Documentation

##### 6.2.2.1 setUp()

```
def self_service_terminal.tests.ExportImportTestCase.setUp (
    self )
```

Definition at line 410 of file tests.py.

#### 6.2.2.2 test\_export\_as\_string()

```
def self_service_terminal.tests.ExportImportTestCase.test_export_as_string (
    self )

(T0080)
```

Definition at line 488 of file tests.py.

#### 6.2.2.3 test\_export\_import\_in\_file()

```
def self_service_terminal.tests.ExportImportTestCase.test_export_import_in_file (
    self )

(T0080)
```

Definition at line 495 of file tests.py.

#### 6.2.2.4 test\_number\_of\_db\_entries\_when\_import\_as\_string()

```
def self_service_terminal.tests.ExportImportTestCase.test_number_of_db_entries_when_import↵
as_string (
    self )
```

Definition at line 530 of file tests.py.

### 6.2.3 Member Data Documentation

#### 6.2.3.1 c

```
self_service_terminal.tests.ExportImportTestCase.c
```

Definition at line 437 of file tests.py.

#### 6.2.3.2 expected\_object

```
self_service_terminal.tests.ExportImportTestCase.expected_object
```

Definition at line 438 of file tests.py.

### 6.2.3.3 form

`self_service_terminal.tests.ExportImportTestCase.form`

Definition at line 422 of file tests.py.

### 6.2.3.4 form2

`self_service_terminal.tests.ExportImportTestCase.form2`

Definition at line 429 of file tests.py.

### 6.2.3.5 menu

`self_service_terminal.tests.ExportImportTestCase.menu`

Definition at line 414 of file tests.py.

### 6.2.3.6 submenu

`self_service_terminal.tests.ExportImportTestCase.submenu`

Definition at line 416 of file tests.py.

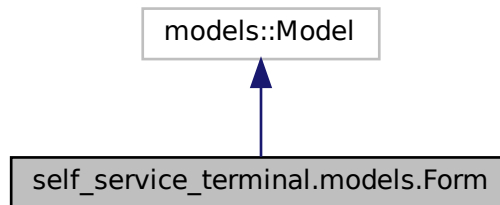
### 6.2.3.7 terminal\_settings

`self_service_terminal.tests.ExportImportTestCase.terminal_settings`

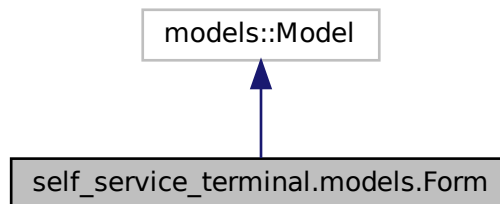
Definition at line 411 of file tests.py.

## 6.3 self\_service\_terminal.models.Form Class Reference

Inheritance diagram for self\_service\_terminal.models.Form:



Collaboration diagram for self\_service\_terminal.models.Form:



### Classes

- class [Meta](#)

### Public Member Functions

- def [print\\_form](#) (self, number\_of\_copies=1)
- def [time\\_since\\_last\\_updated](#) (self)
- def [time\\_since\\_last\\_updated\\_str](#) (self)
- def [\\_\\_str\\_\\_](#) (self)

### Static Public Attributes

- [parent\\_menu](#)
- [pdffile](#)
- [upload\\_date](#)
- [last\\_changed](#)
- [show\\_on\\_frontend](#)
- [form\\_title](#)
- [description](#) = models.TextField(blank=True, verbose\_name='Beschreibung')
- [short\\_description](#)

### 6.3.1 Detailed Description

Model the forms to be accessed via the self service terminal.

Is linked to its parent menu via a ForeignKey Field. Contains a File Field for the PDF forms it will hold. Has some info about its upload date and last change. Has a title and some descriptive text.

Definition at line 71 of file models.py.

### 6.3.2 Member Function Documentation

#### 6.3.2.1 \_\_str\_\_()

```
def self_service_terminal.models.Form.__str__ (
    self )
```

Definition at line 129 of file models.py.

#### 6.3.2.2 print\_form()

```
def self_service_terminal.models.Form.print_form (
    self,
    number_of_copies = 1 )
```

Print the document.

Print the pdf file. The command is passed to the Linux operating system using the Python STL module subprocess. If the command run() runs successfully and returns 1, return True, else return False and issue an error message. The contents of stderr is printed on stdout.

Definition at line 92 of file models.py.

#### 6.3.2.3 time\_since\_last\_updated()

```
def self_service_terminal.models.Form.time_since_last_updated (
    self )
```

Return the time passed since the form was updated.

Return a tuple in the form (days, hours, minutes).

Definition at line 110 of file models.py.

#### 6.3.2.4 time\_since\_last\_updated\_str()

```
def self_service_terminal.models.Form.time_since_last_updated_str (
    self )
```

Return a string in german with days, hours, minutes since last updated.

Definition at line 120 of file models.py.

### 6.3.3 Member Data Documentation

#### 6.3.3.1 description

```
self_service_terminal.models.Form.description = models.TextField(blank=True, verbose_name='Beschreibung')
[static]
```

Definition at line 90 of file models.py.

#### 6.3.3.2 form\_title

```
self_service_terminal.models.Form.form_title [static]
```

**Initial value:**

```
= models.CharField(max_length=TITLE_LENGTH, default="Formular",
    verbose_name='Titel')
```

Definition at line 88 of file models.py.

#### 6.3.3.3 last\_changed

```
self_service_terminal.models.Form.last_changed [static]
```

**Initial value:**

```
= models.DateTimeField(auto_now=True,
    verbose_name='Zuletzt geändert')
```

Definition at line 84 of file models.py.



#### 6.3.3.4 parent\_menu

```
self_service_terminal.models.Form.parent_menu [static]
```

**Initial value:**

```
= models.ForeignKey('Menu', on_delete=models.CASCADE,  
    verbose_name='Eltern-Menü')
```

Definition at line 78 of file models.py.

#### 6.3.3.5 pdffile

```
self_service_terminal.models.Form.pdffile [static]
```

**Initial value:**

```
= models.FileField(upload_to='forms', default="forms/default.pdf",  
    verbose_name='PDF-Datei')
```

Definition at line 80 of file models.py.

#### 6.3.3.6 short\_description

```
self_service_terminal.models.Form.short_description [static]
```

Definition at line 127 of file models.py.

#### 6.3.3.7 show\_on\_frontend

```
self_service_terminal.models.Form.show_on_frontend [static]
```

**Initial value:**

```
= models.BooleanField(default=False,  
    verbose_name='Im Frontend anzeigen')
```

Definition at line 86 of file models.py.

#### 6.3.3.8 upload\_date

```
self_service_terminal.models.Form.upload_date [static]
```

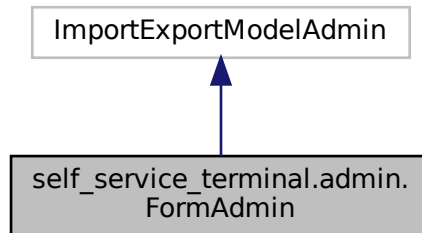
**Initial value:**

```
= models.DateTimeField(auto_now_add=True,  
    verbose_name='Uploaddatum')
```

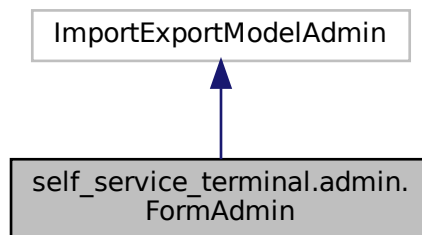
Definition at line 82 of file models.py.

## 6.4 self\_service\_terminal.admin.FormAdmin Class Reference

Inheritance diagram for self\_service\_terminal.admin.FormAdmin:



Collaboration diagram for self\_service\_terminal.admin.FormAdmin:



### Static Public Attributes

- list [fieldsets](#)
- list [list\\_display](#)
- list [list\\_filter](#) = ['upload\_date', 'last\_changed']

### 6.4.1 Detailed Description

Definition at line 65 of file admin.py.

### 6.4.2 Member Data Documentation

### 6.4.2.1 fieldsets

```
list self_service_terminal.admin.ModelFormAdmin.fieldsets [static]
```

#### Initial value:

```
= [
    ('Übergeordnetes Menü', {'fields': ['parent_menu']}),
    # ('Anzeigen', {'fields': ['show_on_frontend']}),
    ('Details', {'fields': ['form_title', 'description']}),
    ('Dateipfad', {'fields': ['pdf_file']})
]
```

Definition at line 66 of file admin.py.

### 6.4.2.2 list\_display

```
list self_service_terminal.admin.ModelFormAdmin.list_display [static]
```

#### Initial value:

```
= ['form_title', Form.time_since_last_updated_str,
    'upload_date', 'last_changed']
```

Definition at line 72 of file admin.py.

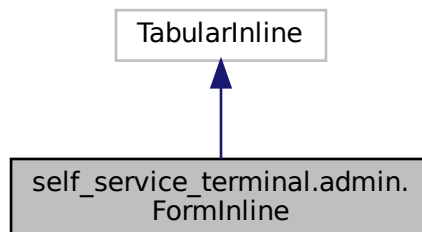
### 6.4.2.3 list\_filter

```
list self_service_terminal.admin.ModelFormAdmin.list_filter = ['upload_date', 'last_changed'] [static]
```

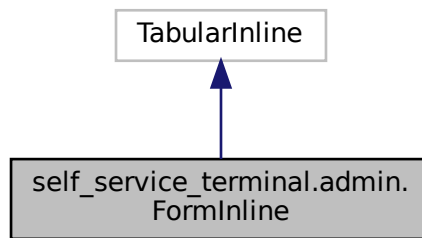
Definition at line 74 of file admin.py.

## 6.5 self\_service\_terminal.admin.ModelFormInline Class Reference

Inheritance diagram for self\_service\_terminal.admin.ModelFormInline:



Collaboration diagram for `self_service_terminal.admin.FormInline`:



## Static Public Attributes

- `model = Form`
- tuple `fields = ('pdffile', 'form_title', 'description')`
- int `extra = 0`

### 6.5.1 Detailed Description

Definition at line 33 of file `admin.py`.

### 6.5.2 Member Data Documentation

#### 6.5.2.1 `extra`

```
int self_service_terminal.admin.FormInline.extra = 0 [static]
```

Definition at line 36 of file `admin.py`.

#### 6.5.2.2 `fields`

```
tuple self_service_terminal.admin.FormInline.fields = ('pdffile', 'form_title', 'description')  
[static]
```

Definition at line 35 of file `admin.py`.

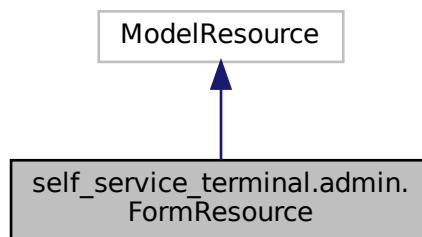
### 6.5.2.3 model

```
self_service_terminal.admin.FormInline.model = Form [static]
```

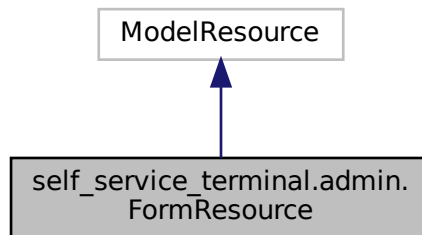
Definition at line 34 of file admin.py.

## 6.6 self\_service\_terminal.admin.FormResource Class Reference

Inheritance diagram for self\_service\_terminal.admin.FormResource:



Collaboration diagram for self\_service\_terminal.admin.FormResource:



## Classes

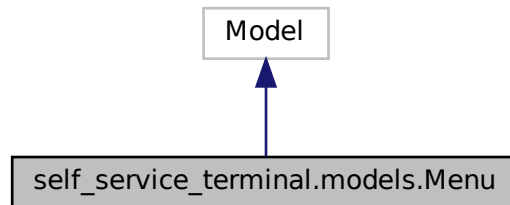
- class [Meta](#)

### 6.6.1 Detailed Description

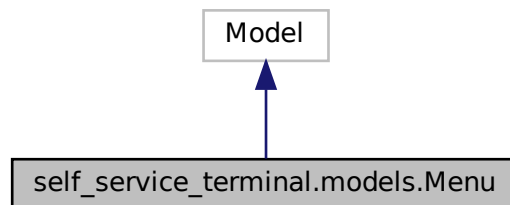
Definition at line 87 of file admin.py.

## 6.7 self\_service\_terminal.models.Menu Class Reference

Inheritance diagram for self\_service\_terminal.models.Menu:



Collaboration diagram for self\_service\_terminal.models.Menu:



### Classes

- class [Meta](#)

### Public Member Functions

- def [\\_\\_str\\_\\_](#)(self)

### Static Public Attributes

- [parent\\_menu](#)
- [menu\\_title](#)
- [menu\\_text](#) = `models.TextField(blank=True, verbose_name='Beschreibung')`

## 6.7.1 Detailed Description

Model the menus and submenus of the self service terminal.

Is linked to its parent menu via a ForeignKey Field. Contains only its title and some descriptive text.

Definition at line 51 of file models.py.

## 6.7.2 Member Function Documentation

### 6.7.2.1 \_\_str\_\_()

```
def self_service_terminal.models.Menu.__str__ (
    self )
```

Definition at line 63 of file models.py.

## 6.7.3 Member Data Documentation

### 6.7.3.1 menu\_text

```
self_service_terminal.models.Menu.menu_text = models.TextField(blank=True, verbose_name='Beschreibung')
[static]
```

Definition at line 61 of file models.py.

### 6.7.3.2 menu\_title

```
self_service_terminal.models.Menu.menu_title [static]
```

**Initial value:**

```
= models.CharField(max_length=TITLE_LENGTH,
    verbose_name='Titel')
```

Definition at line 59 of file models.py.

### 6.7.3.3 parent\_menu

```
self_service_terminal.models.Menu.parent_menu [static]
```

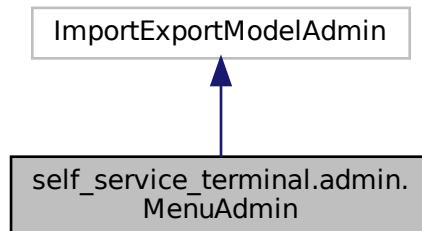
**Initial value:**

```
= models.ForeignKey('self', on_delete=models.CASCADE,  
    blank=True, null=True, verbose_name='Eltern-Menü')
```

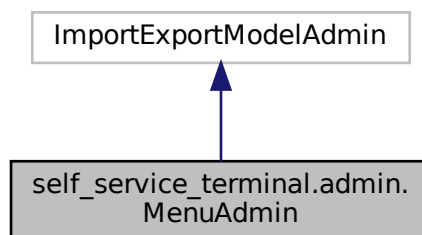
Definition at line 57 of file models.py.

## 6.8 self\_service\_terminal.admin.MenuAdmin Class Reference

Inheritance diagram for self\_service\_terminal.admin.MenuAdmin:



Collaboration diagram for self\_service\_terminal.admin.MenuAdmin:



### Static Public Attributes

- list [fieldsets](#)
- list [inlines](#) = [[MenuInline](#), [FormInline](#)]



### 6.8.1 Detailed Description

Definition at line 56 of file admin.py.

### 6.8.2 Member Data Documentation

#### 6.8.2.1 fieldsets

```
list self_service_terminal.admin.MenuAdmin.fieldsets [static]
```

**Initial value:**

```
= [
    ('Oberkategorie', {'fields': ['parent_menu']}),
    ('Beschreibung', {'fields': ['menu_title', 'menu_text']})
]
```

Definition at line 57 of file admin.py.

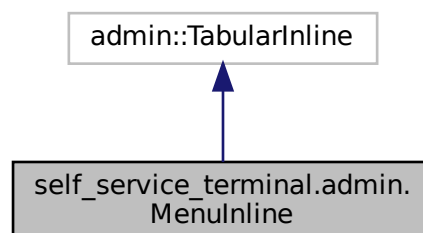
#### 6.8.2.2 inlines

```
list self_service_terminal.admin.MenuAdmin.inlines = [MenuInline, FormInline] [static]
```

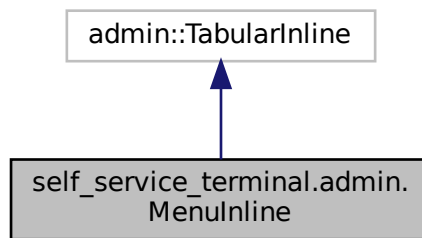
Definition at line 61 of file admin.py.

## 6.9 self\_service\_terminal.admin.MenuInline Class Reference

Inheritance diagram for self\_service\_terminal.admin.MenuInline:



Collaboration diagram for self\_service\_terminal.admin.MenuInline:



## Static Public Attributes

- `model = Menu`
- tuple `fields = ('menu_title', 'menu_text')`
- int `extra = 0`

### 6.9.1 Detailed Description

Definition at line 27 of file admin.py.

### 6.9.2 Member Data Documentation

#### 6.9.2.1 extra

```
int self_service_terminal.admin.MenuInline.extra = 0 [static]
```

Definition at line 30 of file admin.py.

#### 6.9.2.2 fields

```
tuple self_service_terminal.admin.MenuInline.fields = ('menu_title', 'menu_text') [static]
```

Definition at line 29 of file admin.py.

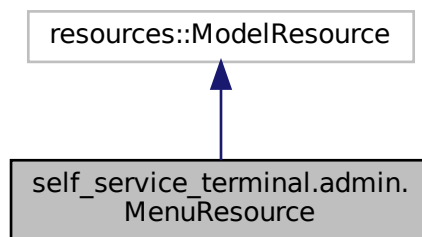
### 6.9.2.3 model

```
self_service_terminal.admin.MenuInline.model = Menu [static]
```

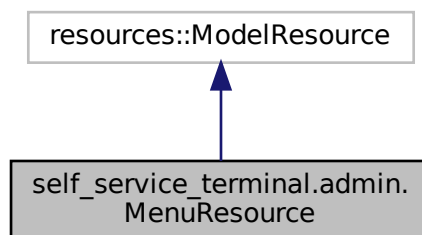
Definition at line 28 of file admin.py.

## 6.10 self\_service\_terminal.admin.MenuResource Class Reference

Inheritance diagram for self\_service\_terminal.admin.MenuResource:



Collaboration diagram for self\_service\_terminal.admin.MenuResource:



## Classes

- class [Meta](#)

### 6.10.1 Detailed Description

Definition at line 82 of file admin.py.

## 6.11 self\_service\_terminal.models.Menu.Meta Class Reference

### Static Public Attributes

- string [verbose\\_name](#) = 'Menü'
- string [verbose\\_name\\_plural](#) = 'Menüs'

#### 6.11.1 Detailed Description

Definition at line 66 of file models.py.

#### 6.11.2 Member Data Documentation

##### 6.11.2.1 verbose\_name

```
string self_service_terminal.models.Menu.Meta.verbose_name = 'Menü' [static]
```

Definition at line 67 of file models.py.

##### 6.11.2.2 verbose\_name\_plural

```
string self_service_terminal.models.Menu.Meta.verbose_name_plural = 'Menüs' [static]
```

Definition at line 68 of file models.py.

## 6.12 self\_service\_terminal.admin.Terminal\_SettingsResource.Meta Class Reference

### Static Public Attributes

- [model](#) = [Terminal\\_Settings](#)

#### 6.12.1 Detailed Description

Definition at line 79 of file admin.py.

#### 6.12.2 Member Data Documentation

#### 6.12.2.1 model

```
self_service_terminal.admin.Terminal_SettingsResource.Meta.model = Terminal_Settings [static]
```

Definition at line 80 of file admin.py.

## 6.13 self\_service\_terminal.models.Form.Meta Class Reference

### Static Public Attributes

- string `verbose_name` = 'Formular'

#### 6.13.1 Detailed Description

Definition at line 132 of file models.py.

#### 6.13.2 Member Data Documentation

##### 6.13.2.1 verbose\_name

```
string self_service_terminal.models.Form.Meta.verbose_name = 'Formular' [static]
```

Definition at line 133 of file models.py.

## 6.14 self\_service\_terminal.admin.MenuResource.Meta Class Reference

### Static Public Attributes

- `model` = `Menu`

#### 6.14.1 Detailed Description

Definition at line 84 of file admin.py.

#### 6.14.2 Member Data Documentation

#### 6.14.2.1 model

```
self_service_terminal.admin.MenuResource.Meta.model = Menu [static]
```

Definition at line 85 of file admin.py.

### 6.15 self\_service\_terminal.admin.FormResource.Meta Class Reference

#### Static Public Attributes

- `model` = `Form`

#### 6.15.1 Detailed Description

Definition at line 89 of file admin.py.

#### 6.15.2 Member Data Documentation

##### 6.15.2.1 model

```
self_service_terminal.admin.FormResource.Meta.model = Form [static]
```

Definition at line 90 of file admin.py.

### 6.16 self\_service\_terminal.models.Terminal\_Settings.Meta Class Reference

#### Static Public Attributes

- string `verbose_name` = 'Einstellungen'
- string `verbose_name_plural` = 'Einstellungen'

#### 6.16.1 Detailed Description

Definition at line 47 of file models.py.

#### 6.16.2 Member Data Documentation

### 6.16.2.1 verbose\_name

```
string self_service_terminal.models.Terminal_Settings.Meta.verbose_name = 'Einstellungen'  
[static]
```

Definition at line 48 of file models.py.

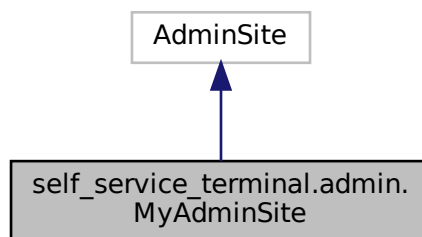
### 6.16.2.2 verbose\_name\_plural

```
string self_service_terminal.models.Terminal_Settings.Meta.verbose_name_plural = 'Einstellungen'  
[static]
```

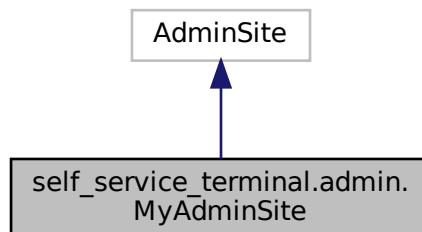
Definition at line 49 of file models.py.

## 6.17 self\_service\_terminal.admin.MyAdminSite Class Reference

Inheritance diagram for self\_service\_terminal.admin.MyAdminSite:



Collaboration diagram for self\_service\_terminal.admin.MyAdminSite:



## Static Public Attributes

- string `site_header` = 'Monty python adminstration'

### 6.17.1 Detailed Description

Definition at line 15 of file admin.py.

### 6.17.2 Member Data Documentation

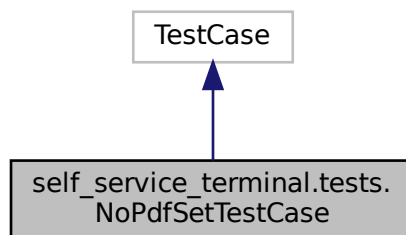
#### 6.17.2.1 `site_header`

```
string self_service_terminal.admin.MyAdminSite.site_header = 'Monty python adminstration'  
[static]
```

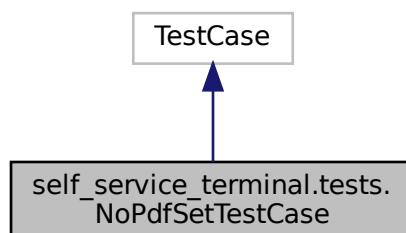
Definition at line 16 of file admin.py.

## 6.18 `self_service_terminal.tests.NoPdfSetTestCase` Class Reference

Inheritance diagram for `self_service_terminal.tests.NoPdfSetTestCase`:



Collaboration diagram for `self_service_terminal.tests.NoPdfSetTestCase`:





## Public Member Functions

- def [setUp](#) (self)
- def [test\\_no\\_pdf\\_error](#) (self)

## Public Attributes

- [terminal\\_settings](#)
- [menu](#)
- [submenu](#)
- [form](#)
- [form2](#)
- [c](#)

### 6.18.1 Detailed Description

(T0030)

Definition at line 549 of file tests.py.

### 6.18.2 Member Function Documentation

#### 6.18.2.1 setUp()

```
def self_service_terminal.tests.NoPdfSetTestCase.setUp (  
    self )
```

Definition at line 552 of file tests.py.

#### 6.18.2.2 test\_no\_pdf\_error()

```
def self_service_terminal.tests.NoPdfSetTestCase.test_no_pdf_error (  
    self )
```

Definition at line 580 of file tests.py.

### 6.18.3 Member Data Documentation

#### 6.18.3.1 **c**

```
self_service_terminal.tests.NoPdfSetTestCase.c
```

Definition at line 578 of file tests.py.

#### 6.18.3.2 **form**

```
self_service_terminal.tests.NoPdfSetTestCase.form
```

Definition at line 564 of file tests.py.

#### 6.18.3.3 **form2**

```
self_service_terminal.tests.NoPdfSetTestCase.form2
```

Definition at line 570 of file tests.py.

#### 6.18.3.4 **menu**

```
self_service_terminal.tests.NoPdfSetTestCase.menu
```

Definition at line 556 of file tests.py.

#### 6.18.3.5 **submenu**

```
self_service_terminal.tests.NoPdfSetTestCase.submenu
```

Definition at line 558 of file tests.py.

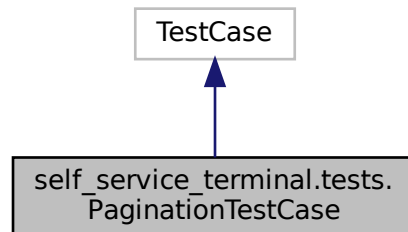
#### 6.18.3.6 **terminal\_settings**

```
self_service_terminal.tests.NoPdfSetTestCase.terminal_settings
```

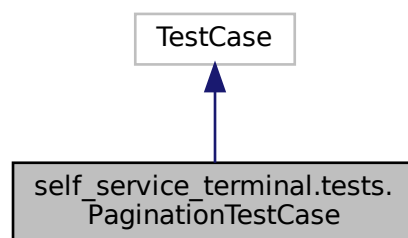
Definition at line 553 of file tests.py.

## 6.19 self\_service\_terminal.tests.PaginationTestCase Class Reference

Inheritance diagram for self\_service\_terminal.tests.PaginationTestCase:



Collaboration diagram for self\_service\_terminal.tests.PaginationTestCase:



### Public Member Functions

- def [setUp](#) (self)
- def [test\\_pagination\\_existence](#) (self)
- def [test\\_different\\_pagination\\_sites](#) (self)

### Public Attributes

- [terminal\\_settings](#)
- [menu](#)
- [submenus](#)
- [c](#)

### 6.19.1 Detailed Description

(T0090)

Definition at line 368 of file tests.py.

### 6.19.2 Member Function Documentation

#### 6.19.2.1 setUp()

```
def self_service_terminal.tests.PaginationTestCase.setUp (  
    self )
```

Definition at line 371 of file tests.py.

#### 6.19.2.2 test\_different\_pagination\_sites()

```
def self_service_terminal.tests.PaginationTestCase.test_different_pagination_sites (  
    self )
```

Definition at line 401 of file tests.py.

#### 6.19.2.3 test\_pagination\_existence()

```
def self_service_terminal.tests.PaginationTestCase.test_pagination_existence (  
    self )
```

Definition at line 390 of file tests.py.

### 6.19.3 Member Data Documentation

#### 6.19.3.1 c

```
self_service_terminal.tests.PaginationTestCase.c
```

Definition at line 388 of file tests.py.

### 6.19.3.2 menu

```
self_service_terminal.tests.PaginationTestCase.menu
```

Definition at line 376 of file tests.py.

### 6.19.3.3 submenus

```
self_service_terminal.tests.PaginationTestCase.submenus
```

Definition at line 379 of file tests.py.

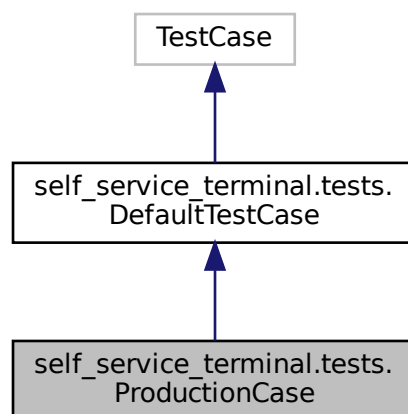
### 6.19.3.4 terminal\_settings

```
self_service_terminal.tests.PaginationTestCase.terminal_settings
```

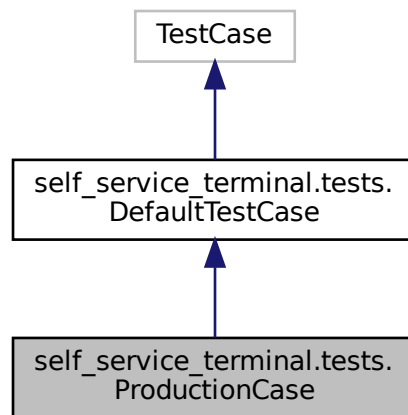
Definition at line 372 of file tests.py.

## 6.20 self\_service\_terminal.tests.ProductionCase Class Reference

Inheritance diagram for self\_service\_terminal.tests.ProductionCase:



Collaboration diagram for `self_service_terminal.tests.ProductionCase`:



## Public Member Functions

- `def setUp (self)`
- `def test_debug_false (self)`

## Public Attributes

- `terminal_settings`
- `menu`
- `submenu`
- `form`
- `c`

### 6.20.1 Detailed Description

Definition at line 340 of file `tests.py`.

### 6.20.2 Member Function Documentation

#### 6.20.2.1 setUp()

```
def self_service_terminal.tests.ProductionCase.setUp (  
    self )
```

Reimplemented from `self_service_terminal.tests.DefaultTestCase`.

Definition at line 341 of file `tests.py`.

### 6.20.2.2 test\_debug\_false()

```
def self_service_terminal.tests.ProductionCase.test_debug_false (
    self )
```

Definition at line 363 of file tests.py.

## 6.20.3 Member Data Documentation

### 6.20.3.1 c

```
self_service_terminal.tests.ProductionCase.c
```

Definition at line 361 of file tests.py.

### 6.20.3.2 form

```
self_service_terminal.tests.ProductionCase.form
```

Definition at line 352 of file tests.py.

### 6.20.3.3 menu

```
self_service_terminal.tests.ProductionCase.menu
```

Definition at line 345 of file tests.py.

### 6.20.3.4 submenu

```
self_service_terminal.tests.ProductionCase.submenu
```

Definition at line 347 of file tests.py.

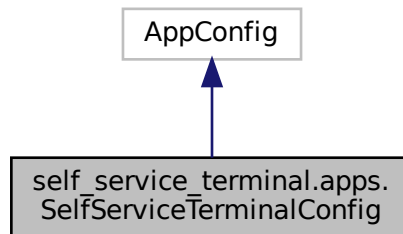
### 6.20.3.5 terminal\_settings

```
self_service_terminal.tests.ProductionCase.terminal_settings
```

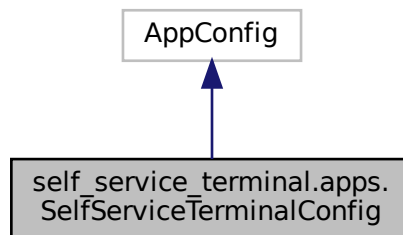
Definition at line 342 of file tests.py.

## 6.21 self\_service\_terminal.apps.SelfServiceTerminalConfig Class Reference

Inheritance diagram for self\_service\_terminal.apps.SelfServiceTerminalConfig:



Collaboration diagram for self\_service\_terminal.apps.SelfServiceTerminalConfig:



### Static Public Attributes

- string `name` = 'self\_service\_terminal'

#### 6.21.1 Detailed Description

Definition at line 4 of file `apps.py`.

#### 6.21.2 Member Data Documentation



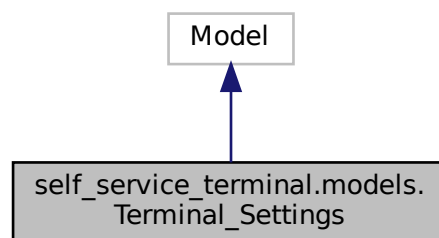
### 6.21.2.1 name

```
string self_service_terminal.apps.SelfServiceTerminalConfig.name = 'self_service_terminal'  
[static]
```

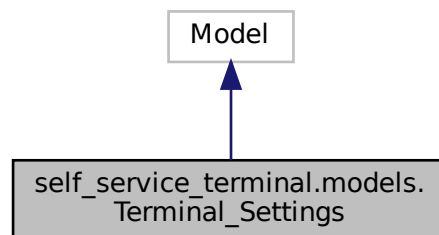
Definition at line 5 of file apps.py.

## 6.22 self\_service\_terminal.models.Terminal\_Settings Class Reference

Inheritance diagram for self\_service\_terminal.models.Terminal\_Settings:



Collaboration diagram for self\_service\_terminal.models.Terminal\_Settings:



### Classes

- class [Meta](#)

### Public Member Functions

- def [\\_\\_str\\_\\_](#)(self)

## Static Public Attributes

- [title](#)
- [description](#)
- [colorval\\_nav\\_bar](#)
- [colorval\\_heading](#)
- [colorval\\_text](#)
- [colorval\\_button](#)
- [colorval\\_return\\_button](#)
- [institute\\_logo](#)
- [insurance\\_logo](#)

### 6.22.1 Detailed Description

Model the settings of the self service terminal.

Contains settings fields for the colors and logos of the user interface.  
Values must be valid for CSS. Example: #aabbcc or black  
Sets the homepage menu.  
Title and description fields are deprecated.

Important: Currently only the Terminal\_Settings instance with the title='settings' is used in the Self service terminal.

Definition at line 11 of file models.py.

### 6.22.2 Member Function Documentation

#### 6.22.2.1 `__str__()`

```
def self_service_terminal.models.Terminal_Settings.__str__ (
    self )
```

Definition at line 44 of file models.py.

### 6.22.3 Member Data Documentation

#### 6.22.3.1 `colorval_button`

```
self_service_terminal.models.Terminal_Settings.colorval_button [static]
```

##### Initial value:

```
= models.CharField(max_length=7, blank=True, default="",
    verbose_name='Farbe der Buttons')
```

Definition at line 33 of file models.py.

### 6.22.3.2 colorval\_heading

```
self_service_terminal.models.Terminal_Settings.colorval_heading [static]
```

**Initial value:**

```
= models.CharField(max_length=7, blank=True, default="",  
    verbose_name='Farbe der Überschriften')
```

Definition at line 29 of file models.py.

### 6.22.3.3 colorval\_nav\_bar

```
self_service_terminal.models.Terminal_Settings.colorval_nav_bar [static]
```

**Initial value:**

```
= models.CharField(max_length=7, blank=True, default="",  
    verbose_name='Farbe der Kopfleiste')
```

Definition at line 27 of file models.py.

### 6.22.3.4 colorval\_return\_button

```
self_service_terminal.models.Terminal_Settings.colorval_return_button [static]
```

**Initial value:**

```
= models.CharField(max_length=7, blank=True,  
    default="", verbose_name='Farbe des Zurück-Buttons')
```

Definition at line 35 of file models.py.

### 6.22.3.5 colorval\_text

```
self_service_terminal.models.Terminal_Settings.colorval_text [static]
```

**Initial value:**

```
= models.CharField(max_length=7, blank=True, default="",  
    verbose_name='Farbe der Texte')
```

Definition at line 31 of file models.py.

### 6.22.3.6 description

```
self_service_terminal.models.Terminal_Settings.description [static]
```

**Initial value:**

```
= models.TextField(blank=True, null=True,  
    verbose_name='Beschreibung')
```

Definition at line 24 of file models.py.

### 6.22.3.7 institute\_logo

```
self_service_terminal.models.Terminal_Settings.institute_logo [static]
```

**Initial value:**

```
= models.ImageField(
    upload_to='images', default='images/institute_logo.png',
    verbose_name='Institutslogo')
```

Definition at line 37 of file models.py.

### 6.22.3.8 insurance\_logo

```
self_service_terminal.models.Terminal_Settings.insurance_logo [static]
```

**Initial value:**

```
= models.ImageField(
    upload_to='images', default='images/insurance_logo.png',
    verbose_name='Krankenkassenlogo')
```

Definition at line 40 of file models.py.

### 6.22.3.9 title

```
self_service_terminal.models.Terminal_Settings.title [static]
```

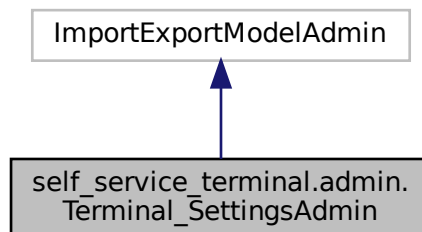
**Initial value:**

```
= models.CharField(max_length=TITLE_LENGTH, unique=True,
    verbose_name='Titel')
```

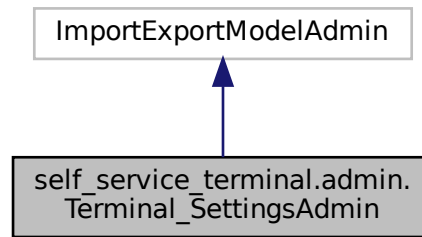
Definition at line 22 of file models.py.

## 6.23 self\_service\_terminal.admin.Terminal\_SettingsAdmin Class Reference

Inheritance diagram for self\_service\_terminal.admin.Terminal\_SettingsAdmin:



Collaboration diagram for self\_service\_terminal.admin.Terminal\_SettingsAdmin:



## Static Public Attributes

- list [fieldsets](#)

### 6.23.1 Detailed Description

Definition at line 40 of file admin.py.

### 6.23.2 Member Data Documentation

#### 6.23.2.1 fieldsets

```
list self_service_terminal.admin.Terminal_SettingsAdmin.fieldsets [static]
```

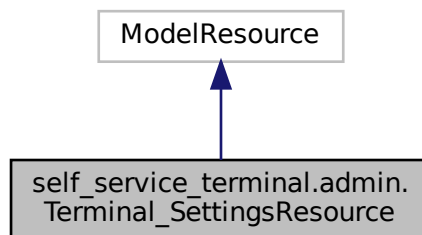
#### Initial value:

```
= [
    ('Beschreibung', {'fields': ['title', 'description']}),
    ('Farbe',
     {'fields': [
         'colorval_nav_bar',
         'colorval_heading',
         'colorval_text',
         'colorval_button',
         'colorval_return_button'
     ]}),
    ('Logos', {'fields': ['institute_logo', 'insurance_logo']})
]
```

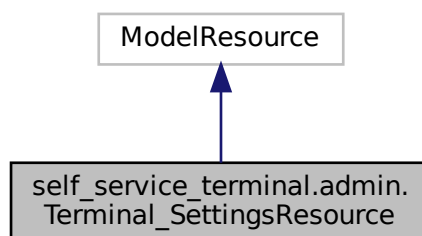
Definition at line 41 of file admin.py.

## 6.24 self\_service\_terminal.admin.Terminal\_SettingsResource Class Reference

Inheritance diagram for self\_service\_terminal.admin.Terminal\_SettingsResource:



Collaboration diagram for self\_service\_terminal.admin.Terminal\_SettingsResource:



### Classes

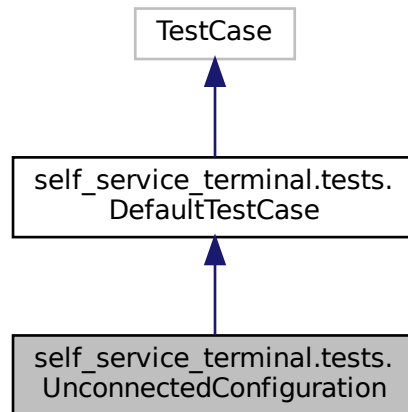
- class [Meta](#)

### 6.24.1 Detailed Description

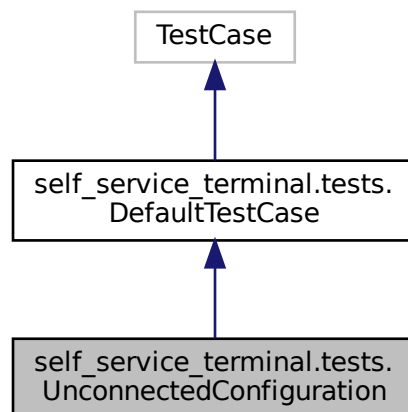
Definition at line 77 of file admin.py.

## 6.25 self\_service\_terminal.tests.UnconnectedConfiguration Class Reference

Inheritance diagram for self\_service\_terminal.tests.UnconnectedConfiguration:



Collaboration diagram for self\_service\_terminal.tests.UnconnectedConfiguration:



### Public Member Functions

- def [setUp](#) (self)
- def [test\\_homepage\\_availability](#) (self)

## Public Attributes

- [terminal\\_settings](#)
- [menu](#)
- [submenu](#)
- [form](#)
- [c](#)

### 6.25.1 Detailed Description

Definition at line 299 of file tests.py.

### 6.25.2 Member Function Documentation

#### 6.25.2.1 setUp()

```
def self_service_terminal.tests.UnconnectedConfiguration.setUp (
    self )
```

Reimplemented from [self\\_service\\_terminal.tests.DefaultTestCase](#).

Definition at line 300 of file tests.py.

#### 6.25.2.2 test\_homepage\_availability()

```
def self_service_terminal.tests.UnconnectedConfiguration.test_homepage_availability (
    self )
```

Reimplemented from [self\\_service\\_terminal.tests.DefaultTestCase](#).

Definition at line 325 of file tests.py.

### 6.25.3 Member Data Documentation

#### 6.25.3.1 c

```
self_service_terminal.tests.UnconnectedConfiguration.c
```

Definition at line 323 of file tests.py.



### 6.25.3.2 form

`self_service_terminal.tests.UnconnectedConfiguration.form`

Definition at line 311 of file tests.py.

### 6.25.3.3 menu

`self_service_terminal.tests.UnconnectedConfiguration.menu`

Definition at line 304 of file tests.py.

### 6.25.3.4 submenu

`self_service_terminal.tests.UnconnectedConfiguration.submenu`

Definition at line 306 of file tests.py.

### 6.25.3.5 terminal\_settings

`self_service_terminal.tests.UnconnectedConfiguration.terminal_settings`

Definition at line 301 of file tests.py.



## Chapter 7

# File Documentation

### 7.1 `__init__.py` File Reference

#### Namespaces

- [self\\_service\\_terminal](#)

### 7.2 `__init__.py` File Reference

#### Namespaces

- [sp4](#)

### 7.3 `actions.py` File Reference

#### Namespaces

- [self\\_service\\_terminal.actions](#)

#### Functions

- `def self\_service\_terminal.actions.export\_action (modeladmin, request, queryset)`
- `def self\_service\_terminal.actions.import\_action (modeladmin, request, queryset)`

## 7.4 admin.py File Reference

### Classes

- class [self\\_service\\_terminal.admin.MyAdminSite](#)
- class [self\\_service\\_terminal.admin.MenuInline](#)
- class [self\\_service\\_terminal.admin.FormInline](#)
- class [self\\_service\\_terminal.admin.Terminal\\_SettingsAdmin](#)
- class [self\\_service\\_terminal.admin.MenuAdmin](#)
- class [self\\_service\\_terminal.admin.FormAdmin](#)
- class [self\\_service\\_terminal.admin.Terminal\\_SettingsResource](#)
- class [self\\_service\\_terminal.admin.Terminal\\_SettingsResource.Meta](#)
- class [self\\_service\\_terminal.admin.MenuResource](#)
- class [self\\_service\\_terminal.admin.MenuResource.Meta](#)
- class [self\\_service\\_terminal.admin.FormResource](#)
- class [self\\_service\\_terminal.admin.FormResource.Meta](#)

### Namespaces

- [self\\_service\\_terminal.admin](#)

### Variables

- [self\\_service\\_terminal.admin.admin\\_site](#) = [MyAdminSite\(name='myadmin'\)](#)
- [self\\_service\\_terminal.admin.site\\_header](#)

## 7.5 apps.py File Reference

### Classes

- class [self\\_service\\_terminal.apps.SelfServiceTerminalConfig](#)

### Namespaces

- [self\\_service\\_terminal.apps](#)

## 7.6 asgi.py File Reference

### Namespaces

- [sp4.asgi](#)

### Variables

- [sp4.asgi.application](#) = [get\\_asgi\\_application\(\)](#)

## 7.7 constants.py File Reference

### Namespaces

- [self\\_service\\_terminal.constants](#)

### Variables

- int [self\\_service\\_terminal.constants.TITLE\\_LENGTH](#) = 100
- string [self\\_service\\_terminal.constants.PRINTER](#) = "some\_name"
- int [self\\_service\\_terminal.constants.BUTTONS\\_PER\\_PAGE](#) = 5
- [self\\_service\\_terminal.constants.EXPORT\\_PATH](#) = Path(BASE\_DIR).parent.joinpath('export')

## 7.8 manage.py File Reference

### Namespaces

- [manage](#)

### Functions

- def [manage.main](#) ()

## 7.9 models.py File Reference

### Classes

- class [self\\_service\\_terminal.models.Terminal\\_Settings](#)
- class [self\\_service\\_terminal.models.Terminal\\_Settings.Meta](#)
- class [self\\_service\\_terminal.models.Menu](#)
- class [self\\_service\\_terminal.models.Menu.Meta](#)
- class [self\\_service\\_terminal.models.Form](#)
- class [self\\_service\\_terminal.models.Form.Meta](#)

### Namespaces

- [self\\_service\\_terminal.models](#)

## 7.10 printer\_status.py File Reference

### Namespaces

- [self\\_service\\_terminal.printer\\_status](#)

## Functions

- def [self\\_service\\_terminal.printer\\_status.get\\_cups\\_status](#) ()

## 7.11 settings.py File Reference

### Namespaces

- [sp4.settings](#)

### Variables

- [sp4.settings.BASE\\_DIR](#) = os.path.dirname(os.path.dirname(os.path.abspath(\_\_file\_\_)))
- string [sp4.settings.SECRET\\_KEY](#) = 'hvyf2=t2mhmrpo0)tlecy#uv#(ge9n\*-l33^17@na\*ap49-#g)'
- bool [sp4.settings.DEBUG](#) = True
- list [sp4.settings.ALLOWED\\_HOSTS](#) = ['192.168.4.1', '192.168.2.200']
- list [sp4.settings.INSTALLED\\_APPS](#)
- list [sp4.settings.MIDDLEWARE](#)
- string [sp4.settings.ROOT\\_URLCONF](#) = 'sp4.urls'
- list [sp4.settings.TEMPLATES](#)
- string [sp4.settings.WSGI\\_APPLICATION](#) = 'sp4.wsgi.application'
- dictionary [sp4.settings.DATABASES](#)
- list [sp4.settings.AUTH\\_PASSWORD\\_VALIDATORS](#)
- string [sp4.settings.LANGUAGE\\_CODE](#) = 'de-DE'
- string [sp4.settings.TIME\\_ZONE](#) = 'Europe/Berlin'
- bool [sp4.settings.USE\\_I18N](#) = True
- bool [sp4.settings.USE\\_L10N](#) = True
- bool [sp4.settings.USE\\_TZ](#) = True
- [sp4.settings.STATIC\\_ROOT](#) = os.path.join(BASE\_DIR, 'self\_service\_terminal/static')
- string [sp4.settings.STATIC\\_URL](#) = '/static/'
- [sp4.settings.MEDIA\\_ROOT](#) = os.path.join(BASE\_DIR, 'self\_service\_terminal/files')
- string [sp4.settings.MEDIA\\_URL](#) = '/files/'
- bool [sp4.settings.IMPORT\\_EXPORT\\_USE\\_TRANSACTIONS](#) = True

## 7.12 tests.py File Reference

### Classes

- class [self\\_service\\_terminal.tests.DefaultTestCase](#)
- class [self\\_service\\_terminal.tests.UnconnectedConfiguration](#)
- class [self\\_service\\_terminal.tests.ProductionCase](#)
- class [self\\_service\\_terminal.tests.PaginationTestCase](#)
- class [self\\_service\\_terminal.tests.ExportImportTestCase](#)
- class [self\\_service\\_terminal.tests.NoPdfSetTestCase](#)

### Namespaces

- [self\\_service\\_terminal.tests](#)

## 7.13 urls.py File Reference

### Namespaces

- [self\\_service\\_terminal.urls](#)

### Variables

- list [self\\_service\\_terminal.urls.urlpatterns](#)
- [self\\_service\\_terminal.urls.MEDIA\\_URL](#)
- [self\\_service\\_terminal.urls.document\\_root](#)

## 7.14 urls.py File Reference

### Namespaces

- [sp4.urls](#)

## 7.15 views.py File Reference

### Namespaces

- [self\\_service\\_terminal.views](#)

### Functions

- def [self\\_service\\_terminal.views.get\\_settings](#) ()
- def [self\\_service\\_terminal.views.get\\_homepage](#) ()
- def [self\\_service\\_terminal.views.index](#) (request)
- def [self\\_service\\_terminal.views.menu](#) (request, menu\_id=None, menu\_title=None)
- def [self\\_service\\_terminal.views.formular](#) (request, form\_id=None, form\_title=None)
- def [self\\_service\\_terminal.views.view\\_formular](#) (request, form\_id=None, form\_title=None)
- def [self\\_service\\_terminal.views.print\\_formular](#) (request, form\_id=None)
- def [self\\_service\\_terminal.views.export\\_view](#) (request=HttpRequest(), return\_string=False, path=EXPORT↵  
\_PATH, export\_as\_zip=True)
- def [self\\_service\\_terminal.views.import\\_view](#) (request=HttpRequest(), import\_string=False, imported\_↵  
data=None)
- def [self\\_service\\_terminal.views.menu\\_template\\_test](#) (request, menu\_id=None, menu\_title=None)
- def [self\\_service\\_terminal.views.export\\_action](#) (modeladmin, request, queryset)

## 7.16 wsgi.py File Reference

### Namespaces

- [sp4.wsgi](#)

### Variables

- [sp4.wsgi.application](#) = get\_wsgi\_application()





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