Self Service Terminal for Health Insurance Offices

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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 ( )
```

5.2 self_service_terminal Namespace Reference

Namespaces

- admin
- apps
- constants
- migrations
- models
- tests
- urls
- views

5.3 self_service_terminal.admin Namespace Reference

Classes

- class FormAdmin
- class FormInline
- class MenuAdmin
- class MenuInline
- class Terminal_SettingsAdmin

5.3.1 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 self_service_terminal.apps Namespace Reference

Classes

- class SelfServiceTerminalConfig

5.5 self_service_terminal.constants Namespace Reference

Variables

- int TITLE_LENGTH = 100
- string PRINTER = "some_name"

5.5.1 Detailed Description

```
Constants for the whole project.
```

5.5.2 Variable Documentation

5.5.2.1 PRINTER

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

5.5.2.2 TITLE_LENGTH

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

5.6 self_service_terminal.migrations Namespace Reference

Namespaces

- 0001_initial
- 0002_terminal_settings_homepage
- 0003_menu_test_img
- 0004_menu_menu_texttt
- 0005_remove_menu_menu_texttt
- 0006_remove_menu_test_img
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Classes

- class Migration

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Classes

- class Migration

5.13 self_service_terminal.migrations.0007_auto_20200609_2031 Namespace Reference

Classes

- class Migration

5.14 self_service_terminal.models Namespace Reference

Classes

- class Form
- class Menu
- class Terminal_Settings

5.15 self_service_terminal.tests Namespace Reference

Classes

- class FormTestCase

Variables

- string retstr = "Zuletzt geändert vor {days} Tagen, {hours} Stunden, {minutes} Minuten."

5.15.1 Detailed Description

```
Source for automated tests. Currently just experiments, no systematic
testing.
```

5.15.2 Variable Documentation

5.15.2.1 retstr

```
string self_service_terminal.tests.retstr = "Zuletzt geändert vor {days} Tagen, {hours} Stunden,
{minutes} Minuten."
```

5.16 self_service_terminal.urls Namespace Reference

Variables

- list urlpatterns
- MEDIA_URL
- document_root

5.16.1 Detailed Description

```
Defines the URL Patterns used in the project.
```

5.16.2 Variable Documentation

5.16.2.1 document_root

```
self_service_terminal.urls.document_root
```

5.16.2.2 MEDIA_URL

```
self_service_terminal.urls.MEDIA_URL
```

5.16.2.3 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/<str:form_title>/', views.formular, name="form_title"),
8
9     # Django Templatesprache Test
10     path('dtl/<int:menu_id>/', views.menu_template_test),
11     path('dtl/', views.menu_template_test)
12 ]
```

5.17 self_service_terminal.views Namespace Reference

Functions

- def get_settings ()
- def index (request)
- def menu (request, menu_id=None, menu_title=None)
- def formular (request, form_id=None, form_title=None)
- def print_formular (request, form_id=None)
- def menu_template_test (request, menu_id=None, menu_title=None)

5.17.1 Function Documentation

5.17.1.1 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.

5.17.1.2 get_settings()

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

5.17.1.3 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.

5.17.1.4 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.

5.17.1.5 menu_template_test()

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

Only for testing purposes.

5.17.1.6 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 HTTP 204 No Content response.

5.18 sp4 Namespace Reference

Namespaces

- asgi
- settings
- urls
- wsgi

5.19 sp4.asgi Namespace Reference

Variables

- application = get_asgi_application()

5.19.1 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/
```

5.19.2 Variable Documentation

5.19.2.1 application

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

5.20 sp4.settings Namespace Reference

Variables

- BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
- string SECRET_KEY = 'hvyf2=t2mhmrpo0)tlecy#uv#(ge9n*-l33^17@na*ap49-#g)'
- bool DEBUG = True
- list ALLOWED_HOSTS = [ ]
- 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
- 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

5.20.1 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/
```

5.20.2 Variable Documentation

5.20.2.1 ALLOWED_HOSTS

```
list sp4.settings.ALLOWED_HOSTS = []
```

5.20.2.2 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 ]
```

5.20.2.3 BASE_DIR

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

5.20.2.4 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 }
```

5.20.2.5 DEBUG

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

5.20.2.6 IMPORT_EXPORT_USE_TRANSACTIONS

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

5.20.2.7 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     'import_export'
10 ]
```

5.20.2.8 LANGUAGE_CODE

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

5.20.2.9 MEDIA_ROOT

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

5.20.2.10 MEDIA_URL

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

5.20.2.11 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 ]
```

5.20.2.12 ROOT_URLCONF

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

5.20.2.13 SECRET_KEY

```
string sp4.settings.SECRET_KEY = 'hvyf2=t2mhmrpo0)tlecy#uv#(ge9n*-l33^17@na*ap49-#g)'
```

5.20.2.14 STATIC_URL

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

5.20.2.15 TEMPLATES

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

Initial value:

```
1 =  [
2      {
3          'BACKEND': 'django.template.backends.django.DjangoTemplates',
4          'DIRS': [],
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 ]
```

5.20.2.16 TIME_ZONE

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

5.20.2.17 USE_I18N

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

5.20.2.18 USE_L10N

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

5.20.2.19 USE_TZ

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

5.20.2.20 WSGI_APPLICATION

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

5.21 sp4.urls Namespace Reference

5.21.1 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'))
```

5.22 sp4.wsgi Namespace Reference

Variables

- application = get_wsgi_application()

5.22.1 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/
```

5.22.2 Variable Documentation

5.22.2.1 application

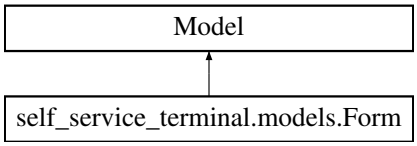
```
sp4.wsgi.application = get_wsgi_application()
```

Chapter 6

Class Documentation

6.1 self_service_terminal.models.Form Class Reference

Inheritance diagram for self_service_terminal.models.Form:



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 = models.ForeignKey('Menu', on_delete=models.CASCADE)
- pdffile = models.FileField(upload_to='forms', null=True, blank=True)
- upload_date = models.DateTimeField(auto_now_add=True)
- last_changed = models.DateTimeField(auto_now=True)
- show_on_frontend = models.BooleanField(default=False)
- form_title = models.CharField(max_length=TITLE_LENGTH, default="Formular")
- description = models.TextField(blank=True)

6.1.1 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.
```

6.1.2 Member Function Documentation

6.1.2.1 __str__()

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

6.1.2.2 print_form()

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

Print the document.

Print the pdffile. The command is passed to the Linux operating system using the Python STL module subprocess. If the command run() returns 1, an error message is issued and the contents of stderr is printed with print().

6.1.2.3 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).

6.1.2.4 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.

6.1.3 Member Data Documentation

6.1.3.1 description

```
self_service_terminal.models.Form.description = models.TextField(blank=True)  [static]
```

6.1.3.2 form_title

```
self_service_terminal.models.Form.form_title = models.CharField(max_length=TITLE_LENGTH, default="Formular")
[static]
```

6.1.3.3 last_changed

```
self_service_terminal.models.Form.last_changed = models.DateTimeField(auto_now=True)  [static]
```

6.1.3.4 parent_menu

```
self_service_terminal.models.Form.parent_menu = models.ForeignKey('Menu', on_delete=models.C↩
ASCADE)  [static]
```

6.1.3.5 pdffile

```
self_service_terminal.models.Form.pdffile = models.FileField(upload_to='forms', null=True,
blank=True)  [static]
```

6.1.3.6 show_on_frontend

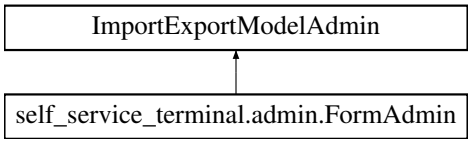
```
self_service_terminal.models.Form.show_on_frontend = models.BooleanField(default=False)  [static]
```

6.1.3.7 upload_date

```
self_service_terminal.models.Form.upload_date = models.DateTimeField(auto_now_add=True)  [static]
```

6.2 self_service_terminal.admin.FormAdmin Class Reference

Inheritance diagram for self_service_terminal.admin.FormAdmin:



Static Public Attributes

- list fieldsets
- list list_display

6.2.1 Member Data Documentation

6.2.1.1 fieldsets

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

Initial value:

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

6.2.1.2 list_display

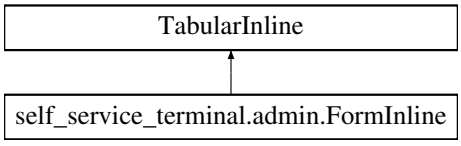
```
list self_service_terminal.admin.FormAdmin.list_display  [static]
```

Initial value:

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

6.3 self_service_terminal.admin.FormInline Class Reference

Inheritance diagram for self_service_terminal.admin.FormInline:



Static Public Attributes

- model = Form
- int extra = 0

6.3.1 Member Data Documentation

6.3.1.1 extra

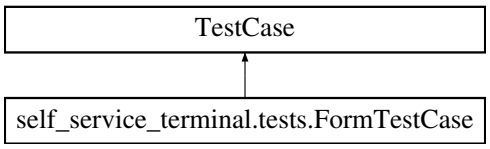
```
int self_service_terminal.admin.FormInline.extra = 0  [static]
```

6.3.1.2 model

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

6.4 self_service_terminal.tests.FormTestCase Class Reference

Inheritance diagram for self_service_terminal.tests.FormTestCase:



Public Member Functions

- def setUp (self)
- def test_menu_form_interaction (self)
- def test_time_since_last_updated (self)

6.4.1 Member Function Documentation

6.4.1.1 setUp()

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

6.4.1.2 test_menu_form_interaction()

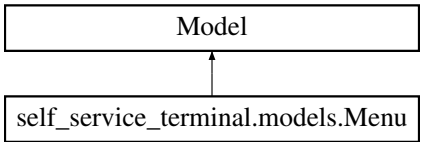
```
def self_service_terminal.tests.FormTestCase.test_menu_form_interaction (
              self )
```

6.4.1.3 test_time_since_last_updated()

```
def self_service_terminal.tests.FormTestCase.test_time_since_last_updated (
              self )
```

6.5 self_service_terminal.models.Menu Class Reference

Inheritance diagram for self_service_terminal.models.Menu:



Public Member Functions

- def __str__ (self)

Static Public Attributes

- settings = models.ForeignKey(Terminal_Settings, on_delete=models.CASCADE)
- parent_menu
- menu_title = models.CharField(max_length=TITLE_LENGTH)
- menu_text = models.TextField(blank=True)

6.5.1 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.
```

6.5.2 Member Function Documentation

6.5.2.1 __str__()

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

6.5.3 Member Data Documentation

6.5.3.1 menu_text

```
self_service_terminal.models.Menu.menu_text = models.TextField(blank=True)  [static]
```

6.5.3.2 menu_title

```
self_service_terminal.models.Menu.menu_title = models.CharField(max_length=TITLE_LENGTH)  [static]
```

6.5.3.3 parent_menu

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

Initial value:

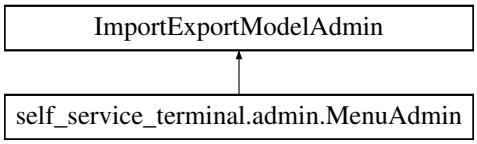
```
=  models.ForeignKey(
        'self', on_delete=models.CASCADE, blank=True, null=True)
```

6.5.3.4 settings

```
self_service_terminal.models.Menu.settings = models.ForeignKey(Terminal_Settings, on_delete=models.↩
CASCADE)  [static]
```

6.6 self_service_terminal.admin.MenuAdmin Class Reference

Inheritance diagram for self_service_terminal.admin.MenuAdmin:



Static Public Attributes

- list fieldsets
- list inlines = [MenuInline, FormInline]

6.6.1 Member Data Documentation

6.6.1.1 fieldsets

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

Initial value:

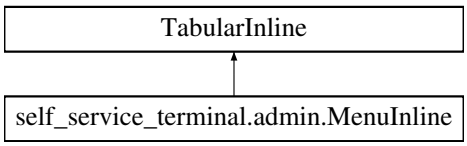
```
=  [
        ('Startseite',       {'fields': ['settings']}),
        ('Oberkategorie',    {'fields': ['parent_menu']}),
        ('Beschreibung',     {'fields': ['menu_title', 'menu_text']})
    ]
```

6.6.1.2 inlines

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

6.7 self_service_terminal.admin.MenuInline Class Reference

Inheritance diagram for self_service_terminal.admin.MenuInline:



Static Public Attributes

- model = Menu
- int extra = 0

6.7.1 Member Data Documentation

6.7.1.1 extra

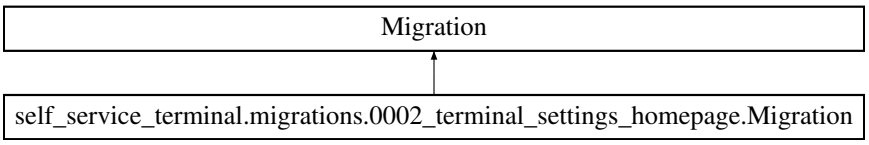
```
int self_service_terminal.admin.MenuInline.extra = 0  [static]
```

6.7.1.2 model

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

6.8 self_service_terminal.migrations.0002_terminal_settings_homepage.Migration Class Reference

Inheritance diagram for self_service_terminal.migrations.0002_terminal_settings_homepage.Migration:



Static Public Attributes

- list dependencies
- list operations

6.8.1 Member Data Documentation

6.8.1.1 dependencies

```
list self_service_terminal.migrations.0002_terminal_settings_homepage.Migration.dependencies
[static]
```

Initial value:

```
= [
        ('self_service_terminal', '0001_initial'),
    ]
```

6.8.1.2 operations

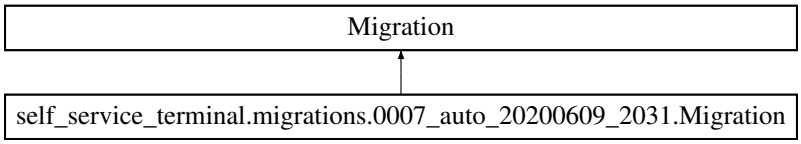
```
list self_service_terminal.migrations.0002_terminal_settings_homepage.Migration.operations
[static]
```

Initial value:

```
=  [
        migrations.AddField(
            model_name='terminal_settings',
            name='homepage',
            field=models.OneToOneField(blank=True, null=True, on_delete=django.db.models.deletion.CASCADE,
       to='self_service_terminal.Menu'),
        ),
    ]
```

6.9 self_service_terminal.migrations.0007_auto_20200609_2031.↩ Migration Class Reference

Inheritance diagram for self_service_terminal.migrations.0007_auto_20200609_2031.Migration:



Static Public Attributes

- list dependencies
- list operations

6.9.1 Member Data Documentation

6.9.1.1 dependencies

```
list self_service_terminal.migrations.0007_auto_20200609_2031.Migration.dependencies  [static]
```

Initial value:

```
=  [
        ('self_service_terminal', '0006_remove_menu_test_img'),
    ]
```

6.9.1.2 operations

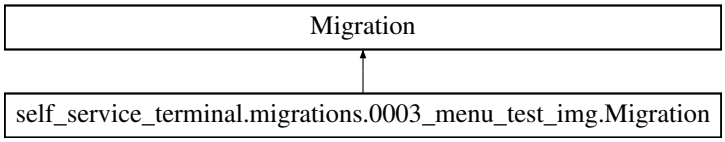
```
list self_service_terminal.migrations.0007_auto_20200609_2031.Migration.operations  [static]
```

Initial value:

```
=  [
        migrations.RenameField(
            model_name='terminal_settings',
            old_name='krankenkasse_logo',
            new_name='insurance_logo',
        ),
    ]
```

6.10 self_service_terminal.migrations.0003_menu_test_img.Migration Class Reference

Inheritance diagram for self_service_terminal.migrations.0003_menu_test_img.Migration:



Static Public Attributes

- list dependencies
- list operations

6.10.1 Member Data Documentation

6.10.1.1 dependencies

```
list self_service_terminal.migrations.0003_menu_test_img.Migration.dependencies  [static]
```

Initial value:

```
=  [
        ('self_service_terminal', '0002_terminal_settings_homepage'),
    ]
```

6.10.1.2 operations

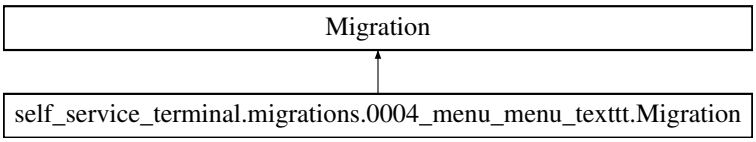
```
list self_service_terminal.migrations.0003_menu_test_img.Migration.operations  [static]
```

Initial value:

```
=  [
        migrations.AddField(
            model_name='menu',
            name='test_img',
            field=models.ImageField(blank=True, default='default.png', upload_to='images'),
        ),
    ]
```

6.11 self_service_terminal.migrations.0004_menu_menu_texttt.↩ Migration Class Reference

Inheritance diagram for self_service_terminal.migrations.0004_menu_menu_texttt.Migration:



Static Public Attributes

- list dependencies
- list operations

6.11.1 Member Data Documentation

6.11.1.1 dependencies

```
list self_service_terminal.migrations.0004_menu_menu_texttt.Migration.dependencies  [static]
```

Initial value:

```
=  [
        ('self_service_terminal', '0003_menu_test_img'),
    ]
```

6.11.1.2 operations

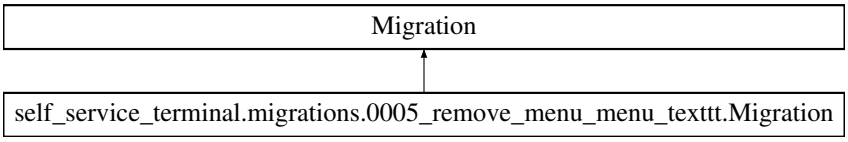
```
list self_service_terminal.migrations.0004_menu_menu_texttt.Migration.operations  [static]
```

Initial value:

```
=  [
        migrations.AddField(
            model_name='menu',
            name='menu_texttt',
            field=models.TextField(blank=True),
        ),
    ]
```

6.12 self_service_terminal.migrations.0005_remove_menu_menu_↩ texttt.Migration Class Reference

Inheritance diagram for self_service_terminal.migrations.0005_remove_menu_menu_texttt.Migration:



Static Public Attributes

- list dependencies
- list operations

6.12.1 Member Data Documentation

6.12.1.1 dependencies

list self_service_terminal.migrations.0005_remove_menu_menu_texttt.Migration.dependencies [static]

Initial value:

```
= [
        ('self_service_terminal', '0004_menu_menu_texttt'),
    ]
```

6.12.1.2 operations

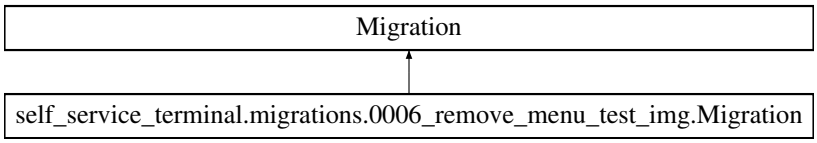
list self_service_terminal.migrations.0005_remove_menu_menu_texttt.Migration.operations [static]

Initial value:

```
= [
        migrations.RemoveField(
            model_name='menu',
            name='menu_texttt',
        ),
    ]
```

6.13 self_service_terminal.migrations.0006_remove_menu_test_img.↩ Migration Class Reference

Inheritance diagram for self_service_terminal.migrations.0006_remove_menu_test_img.Migration:



Static Public Attributes

- list dependencies
- list operations

6.13.1 Member Data Documentation

6.13.1.1 dependencies

```
list self_service_terminal.migrations.0006_remove_menu_test_img.Migration.dependencies  [static]
```

Initial value:

```
=  [
        ('self_service_terminal', '0005_remove_menu_menu_texttt'),
    ]
```

6.13.1.2 operations

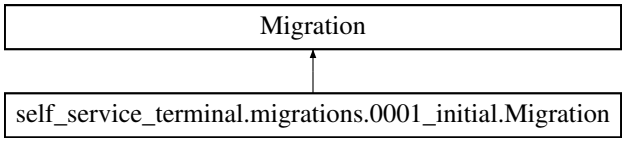
```
list self_service_terminal.migrations.0006_remove_menu_test_img.Migration.operations  [static]
```

Initial value:

```
=  [
        migrations.RemoveField(
            model_name='menu',
            name='test_img',
        ),
    ]
```

6.14 self_service_terminal.migrations.0001_initial.Migration Class Reference

Inheritance diagram for self_service_terminal.migrations.0001_initial.Migration:



Static Public Attributes

- bool initial = True
- list dependencies
- list operations

6.14.1 Member Data Documentation

6.14.1.1 dependencies

```
list self_service_terminal.migrations.0001_initial.Migration.dependencies  [static]
```

Initial value:
```
= [
    ]
```

6.14.1.2 initial

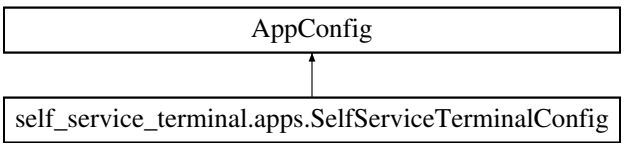
```
bool self_service_terminal.migrations.0001_initial.Migration.initial = True  [static]
```

6.14.1.3 operations

```
list self_service_terminal.migrations.0001_initial.Migration.operations  [static]
```

6.15 self_service_terminal.apps.SelfServiceTerminalConfig Class Reference

Inheritance diagram for self_service_terminal.apps.SelfServiceTerminalConfig:



Static Public Attributes

- string name = 'self_service_terminal'

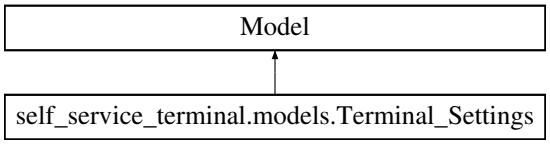
6.15.1 Member Data Documentation

6.15.1.1 name

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

6.16 self_service_terminal.models.Terminal_Settings Class Reference

Inheritance diagram for self_service_terminal.models.Terminal_Settings:



Public Member Functions

- def __str__ (self)

Static Public Attributes

- title = models.CharField(max_length=TITLE_LENGTH)
- description = models.TextField()
- homepage
- colorval_nav_bar = models.CharField(max_length=7, blank=True, default='')
- colorval_heading = models.CharField(max_length=7, blank=True, default='')
- colorval_text = models.CharField(max_length=7, blank=True, default='')
- colorval_button = models.CharField(max_length=7, blank=True, default='')
- colorval_zurueck_button
- institute_logo
- insurance_logo

6.16.1 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.
```

6.16.2 Member Function Documentation

6.16.2.1 __str__()

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

6.16.3 Member Data Documentation

6.16.3.1 colorval_button

```
self_service_terminal.models.Terminal_Settings.colorval_button = models.CharField(max_length=7,
blank=True, default='')  [static]
```

6.16.3.2 colorval_heading

```
self_service_terminal.models.Terminal_Settings.colorval_heading = models.CharField(max_↩
length=7, blank=True, default='')  [static]
```

6.16.3.3 colorval_nav_bar

```
self_service_terminal.models.Terminal_Settings.colorval_nav_bar = models.CharField(max_↩
length=7, blank=True, default='')  [static]
```

6.16.3.4 colorval_text

```
self_service_terminal.models.Terminal_Settings.colorval_text = models.CharField(max_length=7,
blank=True, default='')  [static]
```

6.16.3.5 colorval_zurueck_button

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

Initial value:

```
=  models.CharField(
        max_length=7, blank=True, default=”)
```

6.16.3.6 description

```
self_service_terminal.models.Terminal_Settings.description = models.TextField()  [static]
```

6.16.3.7 homepage

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

Initial value:

```
=  models.OneToOneField(
        'Menu', on_delete=models.CASCADE, blank=True, null=True)
```

6.16.3.8 institute_logo

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

Initial value:

```
=  models.ImageField(
        upload_to='images', default='static/Tu-ilmenauLogo.png', blank=True)
```

6.16.3.9 insurance_logo

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

Initial value:

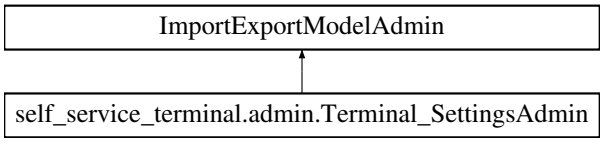
```
=  models.ImageField(
        upload_to='images', default='static/Logo_AOK_PLUS.svg.png', blank=True)
```

6.16.3.10 title

```
self_service_terminal.models.Terminal_Settings.title = models.CharField(max_length=TITLE_LEN↩
GTH)  [static]
```

6.17 self_service_terminal.admin.Terminal_SettingsAdmin Class Reference

Inheritance diagram for self_service_terminal.admin.Terminal_SettingsAdmin:



Static Public Attributes

- list fieldsets

6.17.1 Member Data Documentation

6.17.1.1 fieldsets

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

Initial value:

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

Chapter 7

File Documentation

7.1 sp4/manage.py File Reference

Namespaces

- manage

Functions

- def manage.main ()

7.2 sp4/self_service_terminal/__init__.py File Reference

Namespaces

- self_service_terminal

7.3 sp4/self_service_terminal/migrations/__init__.py File Reference

Namespaces

- self_service_terminal.migrations

7.4 sp4/sp4/__init__.py File Reference

Namespaces

- sp4

7.5 sp4/self_service_terminal/admin.py File Reference

Classes

- 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

Namespaces

- self_service_terminal.admin

7.6 sp4/self_service_terminal/apps.py File Reference

Classes

- class self_service_terminal.apps.SelfServiceTerminalConfig

Namespaces

- self_service_terminal.apps

7.7 sp4/self_service_terminal/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"

7.8 sp4/self_service_terminal/migrations/0001_initial.py File Reference

Classes

- class self_service_terminal.migrations.0001_initial.Migration

Namespaces

- self_service_terminal.migrations.0001_initial

7.9 sp4/self_service_terminal/migrations/0002_terminal_settings_homepage.py File Reference

Classes

- class self_service_terminal.migrations.0002_terminal_settings_homepage.Migration

Namespaces

- self_service_terminal.migrations.0002_terminal_settings_homepage

7.10 sp4/self_service_terminal/migrations/0003_menu_test_img.py File Reference

Classes

- class self_service_terminal.migrations.0003_menu_test_img.Migration

Namespaces

- self_service_terminal.migrations.0003_menu_test_img

7.11 sp4/self_service_terminal/migrations/0004_menu_menu_texttt.py File Reference

Classes

- class self_service_terminal.migrations.0004_menu_menu_texttt.Migration

Namespaces

- self_service_terminal.migrations.0004_menu_menu_texttt

7.12 sp4/self_service_terminal/migrations/0005_remove_menu_menu_texttt.py File Reference

Classes

- class self_service_terminal.migrations.0005_remove_menu_menu_texttt.Migration

Namespaces

- self_service_terminal.migrations.0005_remove_menu_menu_texttt

7.13 sp4/self_service_terminal/migrations/0006_remove_menu_test_↩ img.py File Reference

Classes

- class self_service_terminal.migrations.0006_remove_menu_test_img.Migration

Namespaces

- self_service_terminal.migrations.0006_remove_menu_test_img

7.14 sp4/self_service_terminal/migrations/0007_auto_20200609_2031.py File Reference

Classes

- class self_service_terminal.migrations.0007_auto_20200609_2031.Migration

Namespaces

- self_service_terminal.migrations.0007_auto_20200609_2031

7.15 sp4/self_service_terminal/models.py File Reference

Classes

- class self_service_terminal.models.Terminal_Settings
- class self_service_terminal.models.Menu
- class self_service_terminal.models.Form

Namespaces

- self_service_terminal.models

7.16 sp4/self_service_terminal/tests.py File Reference

Classes

- class self_service_terminal.tests.FormTestCase

Namespaces

- self_service_terminal.tests

Variables

- string self_service_terminal.tests.retstr = "Zuletzt geändert vor {days} Tagen, {hours} Stunden, {minutes} Minuten."

7.17 sp4/self_service_terminal/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

7.18 sp4/sp4/urls.py File Reference

Namespaces

- sp4.urls

7.19 sp4/self_service_terminal/views.py File Reference

Namespaces

- self_service_terminal.views

Functions

- def self_service_terminal.views.get_settings ()
- 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.print_formular (request, form_id=None)
- def self_service_terminal.views.menu_template_test (request, menu_id=None, menu_title=None)

7.20 sp4/sp4/asgi.py File Reference

Namespaces

- sp4.asgi

Variables

- sp4.asgi.application = get_asgi_application()

7.21 sp4/sp4/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 = [ ]
- 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
- 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

7.22 sp4/sp4/wsgi.py File Reference

Namespaces

- sp4.wsgi

Variables

- sp4.wsgi.application = get_wsgi_application()

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