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# Apps

django.apps.AppConfig.

**Attributes**

name; full Python path. example: django.contrib.admin

label = last part of name (admin)

verbose\_name = label.title()

path; full filesystem path to app directory

**Methods**

get\_models()

get\_model(model\_name)

django.apps.

get\_app\_configs()

get\_app\_config(app\_label)

is\_installed(app\_name)

get\_model(app\_label, model\_name)

django.setup() populates the app registry

# Conf

django.conf.urls.static – See django.urls

django.conf.urls.i18n – See django.utils.translation

# Admin Site

django.contrib.admin. – Django's admin site.

site.register(model\_name) – Use default admin app

ModelAdmin – Add custom values to the admin app using this class.

register(\*models, site=site=django.contrib.admin.sites.site)

or @admin.register(Author)

apps.AdminConfig

apps.SimpleAdminConfig turns off autodiscover

defaults to: django.contrib.admin.sites.AdminSite

ModelAdmin.actions

ModelAdmin.fields

ModelAdmin.fieldsets

ModelAdmin.filter\_horizontal

ModelAdmin.filter\_vertical

ModelAdmin.form

ModelAdmin.get\_form()

ModelAdmin.formfield\_overrides

ModelAdmin.inlines – See InlineModelAdmin objects below as well as ModelAdmin.get\_formsets\_with\_inlines().

ModelAdmin.list\_display

ModelAdmin.list\_display\_links

django.contrib.admindocs – Django's admin documentation generator.

# Authentication Framework

django.contrib.auth – Django's authentication framework.

django.contrib.auth.backends – Django's built-in authentication backend classes.

django.contrib.auth.forms

django.contrib.auth.hashers

django.contrib.auth.middleware – Authentication middleware.

django.contrib.auth.password\_validation

django.contrib.auth.signals

django.contrib.auth.views

# Contrib

django.contrib.contenttypes – Provides generic interface to installed models.

django.contrib.contenttypes.admin

django.contrib.contenttypes.fields

django.contrib.contenttypes.forms

django.contrib.contenttypes.prefetch

django.contrib.flatpages – A framework for managing simple ?flat? HTML content in a database.

django.contrib.gis – Geographic Information System (GIS) extensions for Django

django.contrib.gis.admin –GeoDjango's extensions to the admin site.

django.contrib.gis.db.backends – GeoDjango's spatial database backends.

django.contrib.gis.db.models – GeoDjango model and field API.

django.contrib.gis.db.models.functions –Geographic Database Functions

django.contrib.gis.feeds –GeoDjango's framework for generating spatial feeds.

django.contrib.gis.forms – GeoDjango forms API.

django.contrib.gis.forms.widgets –GeoDjango widgets API.

django.contrib.gis.gdal – GeoDjango's high-level interface to the GDAL library.

django.contrib.gis.geoip2 – Python interface for MaxMind's GeoIP2 databases.

django.contrib.gis.geos – GeoDjango's high-level interface to the GEOS library.

django.contrib.gis.measure – GeoDjango's distance and area measurement objects.

django.contrib.gis.serializers.geojson – Serialization of GeoDjango models in the GeoJSON format.

django.contrib.gis.utils – GeoDjango's collection of utilities.

django.contrib.gis.utils.layermapping – Spatial data import utility for GeoDjango models.

django.contrib.gis.utils.ogrinspect – Utilities for inspecting OGR data sources.

django.contrib.humanize – A set of Django template filters useful for adding a "human touch" to data.

django.contrib.messages – Provides cookie- and session-based temporary message storage.

django.contrib.messages.middleware – Message middleware.

django.contrib.messages.test

django.contrib.postgres – PostgreSQL-specific fields and features

django.contrib.postgres.aggregates – PostgreSQL specific aggregation functions

django.contrib.postgres.constraints – PostgreSQL specific database constraint

django.contrib.postgres.expressions – PostgreSQL specific query expressions

django.contrib.postgres.indexes

django.contrib.postgres.validators

django.contrib.redirects – A framework for managing redirects.

django.contrib.sessions – Provides session management for Django projects.

django.contrib.sessions.middleware – Session middleware.

django.contrib.sitemaps – A framework for generating Google sitemap XML files.

django.contrib.sites – Lets you operate multiple websites from the same database and Django project

django.contrib.sites.middleware – Site middleware.

django.contrib.staticfiles – An app for handling static files.

django.contrib.syndication – A framework for generating syndication feeds, in RSS and Atom, quite easily.

# Core

django.core.checks

django.core.exceptions – Django core exceptions

django.core.files – File handling and storage

django.core.files.storage

django.core.files.uploadedfile – Classes representing uploaded files.

django.core.files.uploadhandler – Django's handlers for file uploads.

django.core.mail – Helpers to easily send email.

django.core.management

django.core.paginator – Classes to help you easily manage paginated data.

django.core.signals – Core signals sent by the request/response system.

django.core.signing – Django's signing framework.

django.core.validators – Validation utilities and base classes

# DB

django.db

django.db.backends – Core signals sent by the database wrapper.

django.db.backends.base.schema

django.db.migrations – Schema migration support for Django models

django.db.migrations.operations

django.db.models

django.db.models.constraints

django.db.models.fields – Built-in field types.

django.db.models.fields.json

django.db.models.fields.related – Related field types

django.db.models.functions – Database Functions

django.db.models.indexes

django.db.models.lookups – Lookups API

django.db.models.options – Model meta-class layer

django.db.models.signals – Signals sent by the model system.

django.db.transaction

# Dispatch

django.dispatch – Signal dispatch

# Forms

django.forms

django.forms.fields – Django's built-in form fields.

django.forms.formsets – Django's functions for building formsets.

django.forms.models – Django's functions for building model forms and formsets.

django.forms.renderers – Built-in form renderers.

django.forms.widgets – Django's built-in form widgets.

# HTTP

django.http – Classes dealing with HTTP requests and responses.

# Middleware

django.middleware – Django's built-in middleware classes.

django.middleware.cache – Middleware for the site-wide cache.

django.middleware.clickjacking – Protects against Clickjacking

django.middleware.common – Middleware adding "common" conveniences for perfectionists.

django.middleware.csrf – Protects against Cross Site Request Forgeries

django.middleware.gzip – Middleware to serve GZipped content for performance.

django.middleware.http – Middleware handling advanced HTTP features.

django.middleware.locale – Middleware to enable language selection based on the request.

django.middleware.security – Security middleware.

# Shortcuts

django.shortcuts – Convenience shortcuts that span multiple levels of Django's MVC stack.

# Template

django.template – Django's template system

django.template.backends

django.template.backends.django

django.template.backends.jinja2

django.template.loader

django.template.response – Classes dealing with lazy-rendered HTTP responses.

# Test

django.test – Testing tools for Django applications.

django.test.signals – Signals sent during testing.

django.test.utils – Helpers to write custom test runners.

# URLs

django.urls

path(route, view, kwargs, name=None);

example: path("index/<str:kwarg>", views.index, name="main-view"),

re\_path(route, view) – add regular expression capabilities

include()

django.urls.conf – Functions for use in URLconfs.

# Utils

django.utils – Django's built-in utilities.

django.utils.cache – Helper functions for controlling caching.

django.utils.dateparse – Functions to parse strings to datetime objects.

django.utils.decorators – Functions that help with creating decorators for views.

django.utils.encoding – A series of helper functions to manage character encoding.

django.utils.feedgenerator – Syndication feed generation library -- used for generating RSS, etc.

django.utils.functional – Functional programming tools.

django.utils.html – HTML helper functions

django.utils.http – HTTP helper functions. (URL encoding, cookie handling, ...)

django.utils.log – Logging tools for Django applications

django.utils.module\_loading – Functions for working with Python modules.

django.utils.safestring – Functions and classes for working with strings that can be displayed safely without further escaping in HTML.

django.utils.text – Text manipulation.

django.utils.timezone – Timezone support.

django.utils.translation Internationalization support.

django.views – Django's built-in views.

django.views.decorators.cache

django.views.decorators.common

django.views.decorators.csrf

django.views.decorators.gzip

django.views.decorators.http

django.views.decorators.vary

django.views.generic.dates

django.views.i18n