API Documentation

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Contents

C	ontei	nts	1
1		kage morbid Modules	3
	1.1	Modules	3
2	Mo	dule morbid.admin	4
	2.1	Class FeatureAnalyticTicketAdmin	4
		2.1.1 Class Variables	4
	2.2	Class TargetPriceAdmin	4
		2.2.1 Class Variables	4
	2.3	Class TicketAdmin	4
		2.3.1 Class Variables	4
	2.4	Class FeatureAdmin	4
		2.4.1 Class Variables	4
3	Мо	dule morbid.models	6
J	3.1	Class Unit	6
	0.1	3.1.1 Methods	6
		3.1.2 Class Variables	6
	3.2	Class Feature	6
	0.2	3.2.1 Methods	6
		3.2.2 Class Variables	6
	3.3	Class Analytic	7
	0.0	3.3.1 Methods	7
		3.3.2 Class Variables	7
	3.4	Class Ticket	8
		3.4.1 Methods	8
		3.4.2 Class Variables	8
	3.5	Class FeatureAnalyticTicket	9
		3.5.1 Methods	9
		3.5.2 Class Variables	9
	3.6	Class TargetPrice	9
		3.6.1 Class Variables	9
4	Mα	dule morbid.tests	11
4	4.1		11 11
	4.1	•	11

CONTENTS

•	Module morbid.urls 5.1 Variables	12 12
•	Module morbid.views 6.1 Functions	13
In	$_{ m dex}$	15

1 Package morbid

1.1 Modules

- admin (Section 2, p. 4)
- models (Section 3, p. 6)
- tests: This file demonstrates writing tests using the unittest module. (Section 4, p. 11)
- urls (Section 5, p. 12)
- views (Section 6, p. 13)

Class Feature Admin Module morbid.admin

2 Module morbid.admin

2.1 Class FeatureAnalyticTicketAdmin



2.1.1 Class Variables

Name	Description
list_display	Value: 'analytic', 'ticket', 'feature', 'value'

2.2 Class TargetPriceAdmin

2.2.1 Class Variables

Name	Description
list_display	Value: 'analytic', 'date', 'price', 'ticket'

2.3 Class TicketAdmin

django.contrib.admin.ModelAdmin — morbid.admin.TicketAdmin

2.3.1 Class Variables

Name	Description
list_display	Value: 'name', 'long_name'

2.4 Class FeatureAdmin

2.4.1 Class Variables

Class FeatureAdmin Module morbid.admin

Name	Description]
list_display	Value: 'name', 'unit', 'display_in_frontpage'	1

Class Feature Module morbid.models

3 Module morbid.models

3.1 Class Unit

The units of the feature

3.1.1 Methods

$_$ unicode $_$ ($self$)	
The object return name	

3.1.2 Class Variables

Name	Description
name	Name of the unit of measure
	Value: models.CharField(max_length= 200)
	(type=str)
value	The value (sign) of the measure (days, percent)
	Value: models.CharField(max_length= 200)
	(type=str)

3.2 Class Feature

The feature of the measure

3.2.1 Methods

unicode(self)	
The object return name	

3.2.2 Class Variables

Name	Description
name	Name of the measure
	Value: models.CharField(max_length= 200)
	(type=str)

continued on next page

Class Analytic Module morbid.models

Name	Description
unit	The units of the measure
	$oxed{ ext{Value: models.ForeignKey(Unit)}} (ext{type=Unit})$
display_in_frontpage	Boolean to display in frontpage
	$ extbf{Value: models.BooleanField()} \ (type=boolean)$
description	Description of the feature
	$ extbf{Value: models.TextField()} \ (type = text)$

3.3 Class Analytic

 $\begin{array}{c} {\rm django.db.models.Model} \ \ \, \begin{array}{c} - \\ - \\ - \end{array} \\ {\rm morbid.models.Analytic} \end{array}$

Analysing analytic

3.3.1 Methods

$\mathbf{matural_key}(\mathit{self})$	
Required for serialization	
Return Value string	

$_$ unicode $_$ ($self$)	
The object return name	

3.3.2 Class Variables

Name	Description
name	Name of analytic
	Value: models.CharField(max_length= 200)
	(type=str)
number_of_companies	Number of tp analytic released
	Value: models.IntegerField() (type=integer)
number_of_tp	Number of target prices released by analytic
	Value: models.IntegerField() (type=integer)
volatility	Measure of uncertainty
	Value: models.IntegerField() (type=integer)
last_target_price	Last target price analytic released
	$egin{aligned} \mathbf{Value:} \ \mathtt{models.FloatField()} \ \ (type=float) \end{aligned}$
slug	Slug to reach the page of analytic
	Value: models.SlugField() (type=str)

Class Ticket Module morbid.models

3.4 Class Ticket

 $\begin{array}{c} {\rm django.db.models.Model} \\ \hline \\ {\rm morbid.models.Ticket} \end{array}$

The ticket (or more precise to call it a company) name

3.4.1 Methods

$natural_key(self)$
The natural return key – not index (pk), but the name (short name) of the ticket
Return Value
string

unicode(self)	
The object return name	

3.4.2 Class Variables

Name	Description
name	Name of the ticket (AAPL, GOOG)
	Value: models.CharField(max_length= 200)
	(type=str)
long_name	Full name of the ticket (Apple Inc, Google Inc)
	Value: models.CharField(max_length= 200)
	(type=str)
last_stock_price	Last stock price of the ticket (live update maybe)
	${f Value:}$ models.FloatField() $(type=float)$
number_of_analytics	Number of analytics analyzing the ticket
	Value: models.IntegerField() (type=integer)
number_of_tp	How many target prices does the ticket have
	${f Value:}$ models.IntegerField() $(type=integer)$
consensus_min	Minimum value for the consensus measure
	${f Value:}$ models.FloatField() $(type=float)$
consensus_avg	Average value for the consensus measure
	${f Value:}$ models.FloatField() $(type=float)$
consensus_max	Maximum value for the consensus measure
	${f Value:}$ models.FloatField() $(type=float)$
slug	The slug to reach the page
	Value: models.SlugField() (type=str)

8

Class TargetPrice Module morbid.models

3.5 Class Feature Analytic Ticket

 $\begin{array}{c} {\rm django.db.models.Model} \ \ \, \\ {\rm morbid.models.Feature Analytic Ticket} \end{array}$

The place where analytic, ticket and feature meets

3.5.1 Methods

unicode(self)
The object return name
Return Value
string

3.5.2 Class Variables

Name	Description
value	The value of the feature
	${f Value:}$ models.FloatField() $(type=float)$
feature	Defines the type of the feature (how near, fixation,)
	$oxed{ ext{Value: models.ForeignKey(Feature)}} \ (type= ext{{\it Feature}})$
analytic	The analytic for which the feature was calculated
	Value: models.ForeignKey(Analytic)
	(type=Analytic)
ticket	The ticket on which the feature was calculated
	$oxed{ ext{Value: models.ForeignKey(Ticket)}} (type=Ticket)$

3.6 Class TargetPrice

django.db.models.Model — morbid.models.TargetPrice

The list of all the target prices to show to people

3.6.1 Class Variables

Name	Description
date	The date of released target price
	${f Value:}$ models.DateField() $(type=Date)$
price	The price of the target price
	$egin{array}{ll} egin{array}{ll} egi$
ticket	The ticket on which target price was released
	${f Value:}$ models.ForeignKey(Ticket) $(type=Ticket)$

 $continued\ on\ next\ page$

Name	Description
analytic	The analytic, which published the target price
	Value: models.ForeignKey(Analytic)
	(type=Analytic)

4 Module morbid.tests

This file demonstrates writing tests using the unittest module. These will pass when you run "manage.py test".

Replace this with more appropriate tests for your application.

4.1 Class SimpleTest

```
\begin{array}{c} {\rm django.test.TestCase} \quad \\ \hline \quad \\ {\rm morbid.tests.SimpleTest} \end{array}
```

4.1.1 Methods

 $\frac{\textbf{test_basic_addition}(self)}{\textbf{Tests that } 1 + 1 \text{ always equals } 2.}$

Variables Module morbid.urls

5 Module morbid.urls

5.1 Variables

Name	Description
urlpatterns	Value: patterns('morbid.views', url(r'^\$',
	'index'), url(r'^anal

6 Module morbid.views

6.1 Functions

index(request)

Index page

The main page of the app

Return Value

Http Response

ticket(request, slug)

Ticket page

Parameters

slug: the request for the specific ticket

Return Value

Http Response. If the ticket was not found – rises the 404 error

analytic(request, slug)

Analytic page

Parameters

slug: the slug to reach the page

Return Value

Http Response. If the analytic was not found by the slug – 404 error rises

feature_by_ticket(self, slug, feature_id)

The feature return management on the ticket page

Parameters

slug: the slug to reach the ticket feature_id: the feature id to return

Return Value

Http Response. If the ticket was not found using the slug – $404~\rm error$ rises

JSON only

feature_by_analytic(self, slug, feature_id)

The feature return management on the analytic page

Parameters

slug: the slug to reach the
feature_id: the feature id to return

Return Value

Http Response JSON only. If the analytic was not found using the slug – 404 error rises

Functions Module morbid.views

search(self, search_me)

The search of the page

Parameters

search_me: The string to query search the database

Return Value

Http Response in JSON.

Index

```
morbid (package), 3
    morbid.admin (module), 4-5
      morbid.admin.FeatureAdmin (class), 4-5
      morbid.admin.FeatureAnalyticTicketAdmin (class),
      morbid.admin.TargetPriceAdmin (class), 4
      morbid.admin.TicketAdmin (class), 4
    morbid.models (module), 6-10
      morbid.models.Analytic (class), 7
      morbid.models.Feature (class), 6-7
      morbid.models.FeatureAnalyticTicket (class),
      morbid.models.TargetPrice (class), 9-10
      morbid.models.
Ticket (class), 7–8
      morbid.models.Unit (class), 6
    morbid.tests (module), 11
      morbid.tests.SimpleTest (class), 11
    morbid.urls (module), 12
    morbid.views (module), 13-14
      morbid.views.analytic (function), 13
      morbid.views.feature_by_analytic (function), 13
      morbid.views.feature_by_ticket (function), 13
      morbid.views.index (function), 13
      morbid.views.search (function), 13
      morbid.views.ticket (function), 13
```