Wispi

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Chapter 1

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

app 9
config 10
event 11
eventful_api_implem_perso 12
handleMessage 12
keywords 13
processTweet 13
searchImage 14
tastes 14
testAll 15

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

eventful_api_implem_perso.API 17
enumerate
    keywords.SentenceType 23
Exception
    eventful_api_implem_perso.APIError 18
object
    event.EventAPI 20
    keywords.WispiKeywords 24
TestCase
    testAll.DataCollect 19
    testAll.EventFull 21
    testAll.EventFullAPI 22

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

eventful_api_implem_perso.API 17
eventful_api_implem_perso.APIError 18
testAll.DataCollect 19
event.EventAPI 20
testAll.EventFull 21
testAll.EventFullAPI 22
keywords.SentenceType 23
keywords.WispiKeywords 24

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

app.py . . . 27
config.py . . . 27
testAll.py . . . 30
data_collect/**searchImage.py** . . . 28
data_process/**processTweet.py** . . . 28
eventManager/**event.py** . . . 28
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interests/**tastes.py** . . . 29
messages/**handleMessage.py** . . . 30
messages/**keywords.py** . . . 30

Chapter 5

Namespace Documentation

5.1 app Namespace Reference

Functions

- def **verify** ()
- def **printReturnKW** (city, theme)
- def **webhook** ()

Variables

- **app** = Flask(__name__)
- **log** = logging.getLogger('werkzeug')
- list **BANNED_USERNAME** = ["1492060920843672"]
- string **GET_STARTED** = "GET_STARTED"
- **page** = Page(**config.PAGE_ACCESS_TOKEN**)
- **ev** = **event.EventAPI**()
- **anal** = messages.keywords.WispiKeywords()
- dictionary **options**
- **methods**
- **port**
- **debug**

5.1.1 Function Documentation

5.1.1.1 def app.printReturnKW (*city, theme*)

5.1.1.2 def app.verify ( )

5.1.1.3 def app.webhook ( )

5.1.2 Variable Documentation

5.1.2.1 app.anal = messages.keywords.WispiKeywords()

5.1.2.2 app.app = Flask(__name__)

5.1.2.3 list app.BANNED_USERNAME = ["1492060920843672"]

5.1.2.4 app.debug

5.1.2.5 app.ev = event.EventAPI()

5.1.2.6 string app.GET_STARTED = "GET_STARTED"

5.1.2.7 app.log = logging.getLogger('werkzeug')

5.1.2.8 app.methods

5.1.2.9 dictionary app.options

Initial value:

```
1 = {
2     'api_key': config.DATADOG_API_KEY,
3     'app_key': config.DATADOG_APP_KEY
4 }
```

5.1.2.10 app.page = Page(config.PAGE_ACCESS_TOKEN)

5.1.2.11 app.port

5.2 config Namespace Reference

Variables

- string **PAGE_ACCESS_TOKEN** = "EAAb6bzYnwgQBAJZBM4RCaAZBIRn9Koqhr1DbBsUf5GhdMuxbTO↩
Bnl3xZBwfqgnmMi4kgMZBhUkHJu8vnIlLmoJvY0FFoPhw1QakazEzhtyVWIG56VSZAwlML6cGSaiSlcvGe↩
PQn80YrJLsrVRZCmGbSIbuP1qJA3r49X7ZCByZBWqiV4i1X3EZAAV"
- string **VERIFY_TOKEN** = "wispilesuperbot"
- string **DEFAULT_IMG** = "http://www.orangefairs.com/images/resource/event-manegment.jpg"
- string **API_KEY_EVENTFULL** = 'xxML6LLwcZLP7GfH'
- string **DATADOG_API_KEY** = "17745844a9a7f0e0f69094944c962319"

5.2.1 Variable Documentation

5.2.1.1 string config.API_KEY_EVENTFULL = 'xxML6LLwcZLP7GfH'

5.2.1.2 string config.DATADOG_API_KEY = "17745844a9a7f0e0f69094944c962319"

5.2.1.3 string config.DEFAULT_IMG = "http://www.orangefairs.com/images/resource/event-manegment.jpg"

5.2.1.4 string config.PAGE_ACCESS_TOKEN = "EAAb6bzYnwgQBAJZBM4RCaAZBlRn9Koqhr1DbBsUf5GhdMuxbTOBnl3xZ↩ BwfqgnmMi4kgMZBhUkHJu8vnIlLmoJvY0FFoPhw1QakazEzhtyVWlG56VSZAwIML6cGSaiSlcvGePQn80YrJLsrVRZCm↩ GbSlbuP1qJA3r49X7ZCByZBWqiV4i1X3EZAAV"

5.2.1.5 string config.VERIFY_TOKEN = "wispilesuperbot"

5.3 event Namespace Reference

Classes

- class **EventAPI**

Variables

- **DEFAULT_IMG_URL** = **config.DEFAULT_IMG**
- **API_KEY_EVENTFULL** = config.API_KEY_EVENTFULL
- **ev** = **EventAPI**()
- **tmp** = ev.getEvent("Paris")
- **eventName**
- **eventDate**
- **eventLink**
- **eventAdress**
- **eventCity**
- **eventId**

5.3.1 Variable Documentation

5.3.1.1 event.API_KEY_EVENTFULL = config.API_KEY_EVENTFULL

5.3.1.2 event.DEFAULT_IMG_URL = config.DEFAULT_IMG

5.3.1.3 event.ev = EventAPI()

5.3.1.4 event.eventAdress

5.3.1.5 event.eventCity

5.3.1.6 event.eventDate

5.3.1.7 event.eventId

5.3.1.8 event.eventLink

5.3.1.9 event.eventName

5.3.1.10 event.tmp = ev.getEvent("Paris")

5.4 eventful_api_implem_perso Namespace Reference

Classes

- class **API**
- class **APIError**

5.5 handleMessage Namespace Reference

Functions

- def **addTemplate** (eventName, eventDate, eventLink, eventAdress, eventCity, idEvent)
- def **handleLocation** (user, loc, page)
- def **sendHelp** (user, page)
- def **handle** (user, msg, page)

Variables

- **ev** = **event.EventAPI**()
- **anal** = **keywords.WispiKeywords**()
- **client** = MongoClient("localhost")
- **db** = client.wispi

5.5.1 Function Documentation

5.5.1.1 def handleMessage.addTemplate (*eventName, eventDate, eventLink, eventAdress, eventCity, idEvent*)

5.5.1.2 def handleMessage.handle (*user, msg, page*)

5.5.1.3 def handleMessage.handleLocation (*user, loc, page*)

5.5.1.4 def handleMessage.sendHelp (*user, page*)

5.5.2 Variable Documentation

5.5.2.1 handleMessage.anal = keywords.WispiKeywords()

5.5.2.2 handleMessage.client = MongoClient("localhost")

5.5.2.3 handleMessage.db = client.wispi

5.5.2.4 handleMessage.ev = event.EventAPI()

5.6 keywords Namespace Reference

Classes

- class **SentenceType**
- class **WispiKeywords**

Variables

- **ev** = **event.EventAPI**()
- **DATA_CITIES_NAME** = os.path.join(os.path.dirname(__file__), "../data/cities.json")
- **w** = **WispiKeywords**()

5.6.1 Variable Documentation

5.6.1.1 keywords.DATA_CITIES_NAME = os.path.join(os.path.dirname(__file__), "../data/cities.json")

5.6.1.2 keywords.ev = event.EventAPI()

5.6.1.3 keywords.w = WispiKeywords()

5.7 processTweet Namespace Reference

Functions

- def **process** (tweet)

Variables

- **currentdir** = os.path.dirname(os.path.abspath(inspect.getfile(inspect.currentframe())))
- **parentdir** = os.path.dirname(**currentdir**)
- **client** = MongoClient("localhost")
- **db** = client.wispi
- **page** = Page(secret.PAGE_ACCESS_TOKEN)

5.7.1 Function Documentation

5.7.1.1 def processTweet.process (*tweet*)

5.7.2 Variable Documentation

5.7.2.1 processTweet.client = MongoClient("localhost")

5.7.2.2 processTweet.currentdir = os.path.dirname(os.path.abspath(inspect.getfile(inspect.currentframe())))

5.7.2.3 processTweet.db = client.wispi

5.7.2.4 processTweet.page = Page(secret.PAGE_ACCESS_TOKEN)

5.7.2.5 processTweet.parentdir = os.path.dirname(currentdir)

5.8 searchImage Namespace Reference

Functions

- def **get_soup** (url, header)
- def **getImageUrl** (query)

5.8.1 Function Documentation

5.8.1.1 def searchImage.get_soup (*url, header*)

5.8.1.2 def searchImage.getImageUrl (*query*)

5.9 tastes Namespace Reference

Functions

- def **getTastes** (userId)
- def **addTaste** (userId, taste)
- def **removeTaste** (userId, taste)

Variables

- **client** = MongoClient("localhost")
- **db** = client.wispi
- **kwords** = dict()

5.9.1 Function Documentation

5.9.1.1 def tastes.addTaste (*userId, taste*)

5.9.1.2 def tastes.getTastes (*userId*)

5.9.1.3 def tastes.removeTaste (*userId, taste*)

5.9.2 Variable Documentation

5.9.2.1 tastes.client = MongoClient("localhost")

5.9.2.2 tastes.db = client.wispi

5.9.2.3 tastes.kwords = dict()

5.10 testAll Namespace Reference

Classes

- class **DataCollect**
- class **EventFull**
- class **EventFullAPI**

Chapter 6

Class Documentation

6.1 eventful_api_implem_perso.API Class Reference

Public Member Functions

- def **__init__** (self, **app_key**, **server**='api.eventful.com', cache=None)
- def **call** (self, method, args)
- def **login** (self, **user**, password)

Public Attributes

- **app_key**
- **server**
- **http**
- **user_key**
- **user**

6.1.1 Constructor & Destructor Documentation

6.1.1.1 def eventful_api_implem_perso.API.__init__ (*self, app_key, server =* `'api.eventful.com'`*, cache =* `None`)

6.1.2 Member Function Documentation

6.1.2.1 def eventful_api_implem_perso.API.call (*self, method, args*)

6.1.2.2 def eventful_api_implem_perso.API.login (*self, user, password*)

6.1.3 Member Data Documentation

6.1.3.1 eventful_api_implem_perso.API.app_key

6.1.3.2 eventful_api_implem_perso.API.http

6.1.3.3 eventful_api_implem_perso.API.server

6.1.3.4 eventful_api_implem_perso.API.user

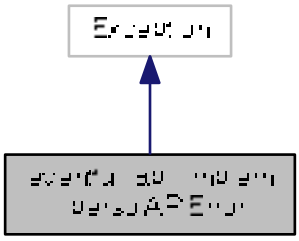
6.1.3.5 eventful_api_implem_perso.API.user_key

The documentation for this class was generated from the following file:

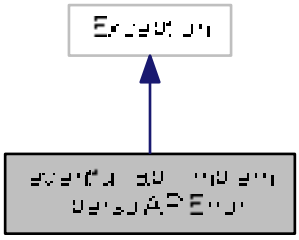
- eventManager/**eventful_api_implem_perso.py**

6.2 eventful_api_implem_perso.APIError Class Reference

Inheritance diagram for eventful_api_implem_perso.APIError:



Collaboration diagram for eventful_api_implem_perso.APIError:

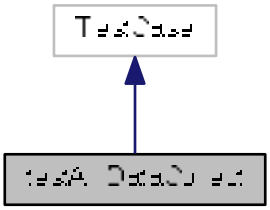


The documentation for this class was generated from the following file:

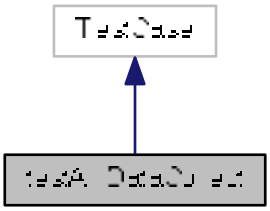
- eventManager/**eventful_api_implem_perso.py**

6.3 testAll.DataCollect Class Reference

Inheritance diagram for testAll.DataCollect:



Collaboration diagram for testAll.DataCollect:



Public Member Functions

- def **testGetResult** (self)
- def **testIsResultIMG** (self)
- def **testIsAnIMG** (self)

6.3.1 Member Function Documentation

6.3.1.1 def testAll.DataCollect.testGetResult (*self*)

6.3.1.2 def testAll.DataCollect.testIsAnIMG (*self*)

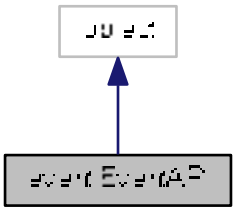
6.3.1.3 def testAll.DataCollect.testIsResultIMG (*self*)

The documentation for this class was generated from the following file:

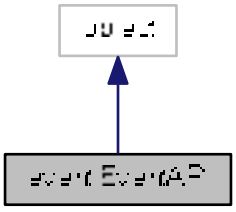
- **testAll.py**

6.4 event.EventAPI Class Reference

Inheritance diagram for event.EventAPI:



Collaboration diagram for event.EventAPI:



Public Member Functions

- def **__init__** (self)
- def **getEventImg** (self, idEvent)
- def **getEventByLocation** (self, location, nbElem='5', typeOfEvent=None)
- def **getEvent** (self, cityOfEvent, nbElem='5', typeOfEvent=None)
- def **getListCategories** (self)
- def **parseTitle** (self, events)
- def **formatEvent** (self, eventToFormat)

6.4.1 Constructor & Destructor Documentation

6.4.1.1 def event.EventAPI.__init__ (*self*)

6.4.2 Member Function Documentation

6.4.2.1 def event.EventAPI.formatEvent (*self, eventToFormat*)

6.4.2.2 def event.EventAPI.getEvent (*self, cityOfEvent, nbElem* = '5', *typeOfEvent* = None)

6.4.2.3 def event.EventAPI.getEventByLocation (*self, location, nbElem* = '5', *typeOfEvent* = None)

6.4.2.4 def event.EventAPI.getEventImg (*self, idEvent*)

6.4.2.5 def event.EventAPI.getListCategories (*self*)

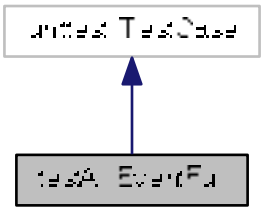
6.4.2.6 def event.EventAPI.parseTitle (*self, events*)

The documentation for this class was generated from the following file:

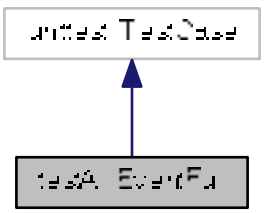
- eventManager/**event.py**

6.5 testAll.EventFull Class Reference

Inheritance diagram for testAll.EventFull:



Collaboration diagram for testAll.EventFull:



Public Member Functions

- def **testGetEventInParis** (self)
- def **testGetCategories** (self)

6.5.1 Member Function Documentation

6.5.1.1 def testAll.EventFull.testGetCategories (*self*)

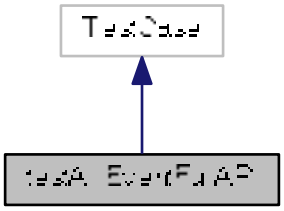
6.5.1.2 def testAll.EventFull.testGetEventInParis (*self*)

The documentation for this class was generated from the following file:

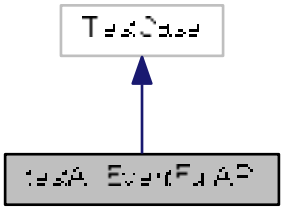
- **testAll.py**

6.6 testAll.EventFullAPI Class Reference

Inheritance diagram for testAll.EventFullAPI:



Collaboration diagram for testAll.EventFullAPI:



Public Member Functions

- def **testWrongAPICall** (self)
- def **testGoodAPICall** (self)

6.6.1 Member Function Documentation

6.6.1.1 def testAll.EventFullAPI.testGoodAPICall (*self*)

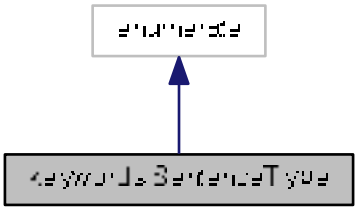
6.6.1.2 def testAll.EventFullAPI.testWrongAPICall (*self*)

The documentation for this class was generated from the following file:

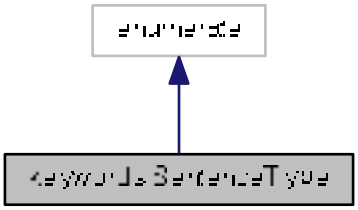
- **testAll.py**

6.7 keywords.SentenceType Class Reference

Inheritance diagram for keywords.SentenceType:



Collaboration diagram for keywords.SentenceType:



Static Public Attributes

- int **SEARCH_EVENT** = 0
- int **GET_TASTE** = 1
- int **ADD_TASTE** = 2
- int **DELETE_TASTE** = 3

6.7.1 Member Data Documentation

6.7.1.1 int keywords.SentenceType.ADD_TASTE = 2 [static]

6.7.1.2 int keywords.SentenceType.DELETE_TASTE = 3 [static]

6.7.1.3 int keywords.SentenceType.GET_TASTE = 1 [static]

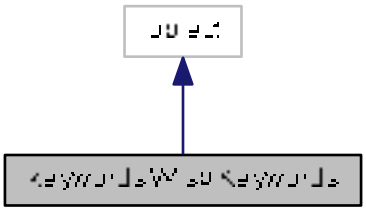
6.7.1.4 int keywords.SentenceType.SEARCH_EVENT = 0 [static]

The documentation for this class was generated from the following file:

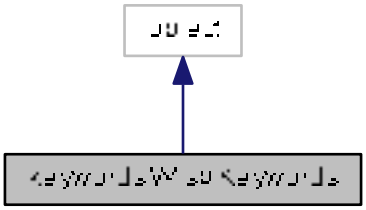
- messages/**keywords.py**

6.8 keywords.WispiKeywords Class Reference

Inheritance diagram for keywords.WispiKeywords:



Collaboration diagram for keywords.WispiKeywords:



Public Member Functions

- def **__init__** (self)
- def **fillKwords** (self)
- def **parseCities** (self)
- def **citiesExist** (self, citie)
- def **citiesExistLONG** (self, sentence)
- def **wordIsTopic** (self, word)
- def **tasteEpur** (self, sentence, l)
- def **isTaste** (self, sentence)
- def **analyzeSentence** (self, sentence)

Public Attributes

- **kwords**
- **cities**
- **addTaste**
- **removeTaste**
- **getTaste**

6.8.1 Constructor & Destructor Documentation

6.8.1.1 def keywords.WispiKeywords.__init__ (*self*)

6.8.2 Member Function Documentation

6.8.2.1 def keywords.WispiKeywords.analyzeSentence (*self, sentence*)

6.8.2.2 def keywords.WispiKeywords.citiesExist (*self, citie*)

6.8.2.3 def keywords.WispiKeywords.citiesExistLONG (*self, sentence*)

6.8.2.4 def keywords.WispiKeywords.fillKwords (*self*)

6.8.2.5 def keywords.WispiKeywords.isTaste (*self, sentence*)

6.8.2.6 def keywords.WispiKeywords.parseCities (*self*)

6.8.2.7 def keywords.WispiKeywords.tasteEpur (*self, sentence, l*)

6.8.2.8 def keywords.WispiKeywords.wordIsTopic (*self, word*)

6.8.3 Member Data Documentation

6.8.3.1 keywords.WispiKeywords.addTaste

6.8.3.2 keywords.WispiKeywords.cities

6.8.3.3 keywords.WispiKeywords.getTaste

6.8.3.4 keywords.WispiKeywords.kwords

6.8.3.5 keywords.WispiKeywords.removeTaste

The documentation for this class was generated from the following file:

- messages/**keywords.py**

Chapter 7

File Documentation

7.1 app.py File Reference

Namespaces

- **app**

Functions

- def **app.verify** ()
- def **app.printReturnKW** (city, theme)
- def **app.webhook** ()

Variables

- **app.app** = Flask(__name__)
- **app.log** = logging.getLogger('werkzeug')
- list **app.BANNED_USERNAME** = ["1492060920843672"]
- string **app.GET_STARTED** = "GET_STARTED"
- **app.page** = Page(**config.PAGE_ACCESS_TOKEN**)
- **app.ev** = **event.EventAPI**()
- **app.anal** = messages.keywords.WispiKeywords()
- dictionary **app.options**
- **app.methods**
- **app.port**
- **app.debug**

7.2 config.py File Reference

Namespaces

- **config**

Variables

- string **config.PAGE_ACCESS_TOKEN** = "EAAb6bzYnwgQBAJZBM4RCaAZBIRn9Koqhr1DbBsUf5Ghd↩ MuxbTOBnl3xZBwfqgnmMi4kgMZBhUkHJu8vnIlLmoJvY0FFoPhw1QakazEzhtyVWIG56VSZAwlML6cG↩ SaiSlcvGePQn80YrJLsrVRZCmGbSIbuP1qJA3r49X7ZCByZBWqiV4i1X3EZAAV"
- string **config.VERIFY_TOKEN** = "wispilesuperbot"
- string **config.DEFAULT_IMG** = "http://www.orangefairs.com/images/resource/event-manegment.jpg"
- string **config.API_KEY_EVENTFULL** = 'xxML6LLwcZLP7GfH'
- string **config.DATADOG_API_KEY** = "17745844a9a7f0e0f69094944c962319"

7.3 data_collect/searchImage.py File Reference

Namespaces

- **searchImage**

Functions

- def **searchImage.get_soup** (url, header)
- def **searchImage.getImageUrl** (query)

7.4 data_process/processTweet.py File Reference

Namespaces

- **processTweet**

Functions

- def **processTweet.process** (tweet)

Variables

- **processTweet.currentdir** = os.path.dirname(os.path.abspath(inspect.getfile(inspect.currentframe())))
- **processTweet.parentdir** = os.path.dirname(currentdir)
- **processTweet.client** = MongoClient("localhost")
- **processTweet.db** = client.wispi
- **processTweet.page** = Page(secret.PAGE_ACCESS_TOKEN)

7.5 eventManager/event.py File Reference

Classes

- class **event.EventAPI**

Namespaces

- **event**

Variables

- **event.DEFAULT_IMG_URL** = **config.DEFAULT_IMG**
- **event.API_KEY_EVENTFULL** = config.API_KEY_EVENTFULL
- **event.ev** = EventAPI()
- **event.tmp** = ev.getEvent("Paris")
- **event.eventName**
- **event.eventDate**
- **event.eventLink**
- **event.eventAdress**
- **event.eventCity**
- **event.eventId**

7.6 eventManager/eventful_api_implem_perso.py File Reference

Classes

- class **eventful_api_implem_perso.APIError**
- class **eventful_api_implem_perso.API**

Namespaces

- **eventful_api_implem_perso**

7.7 interests/tastes.py File Reference

Namespaces

- **tastes**

Functions

- def **tastes.getTastes** (userId)
- def **tastes.addTaste** (userId, taste)
- def **tastes.removeTaste** (userId, taste)

Variables

- **tastes.client** = MongoClient("localhost")
- **tastes.db** = client.wispi
- **tastes.kwords** = dict()

7.8 messages/handleMessage.py File Reference

Namespaces

- **handleMessage**

Functions

- def **handleMessage.addTemplate** (eventName, eventDate, eventLink, eventAdress, eventCity, idEvent)
- def **handleMessage.handleLocation** (user, loc, page)
- def **handleMessage.sendHelp** (user, page)
- def **handleMessage.handle** (user, msg, page)

Variables

- **handleMessage.ev** = **event.EventAPI**()
- **handleMessage.anal** = **keywords.WispiKeywords**()
- **handleMessage.client** = MongoClient("localhost")
- **handleMessage.db** = client.wispi

7.9 messages/keywords.py File Reference

Classes

- class **keywords.SentenceType**
- class **keywords.WispiKeywords**

Namespaces

- **keywords**

Variables

- **keywords.ev** = **event.EventAPI**()
- **keywords.DATA_CITIES_NAME** = os.path.join(os.path.dirname(__file__), "../data/cities.json")
- **keywords.w** = WispiKeywords()

7.10 testAll.py File Reference

Classes

- class **testAll.EventFull**
- class **testAll.DataCollect**
- class **testAll.EventFullAPI**

Namespaces

- **testAll**

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