

Help on module realizer:

NAME

realizer - Surface realization: Convert a fully specified section to a string.

FILE

c:\users\phoenix\dropbox\nickmontfort-curveship-814de6e\realizer.py

CLASSES

__builtin__.object

GeneratorSettings

Heading

Paragraph

Section

Sentence

Word

Adjective

Deictic

NP

Noun

Pronoun

Verb

class Adjective(Word)

| Adjective describing a feature of an item.

|

| Method resolution order:

| Adjective

| Word

| __builtin__.object

|

| Methods defined here:

|

| __init__(self, tag, feature, time)

|

| __str__(self)

|

| realize(self, concept, discourse, _, subjects, tf)

| Return a string realized from the word.

|

| -----

| Methods inherited from Word:

|

| __eq__(self, word)

|

| __ne__(self, word)

|

| -----

| Data descriptors inherited from Word:

|

```

|   __dict__
|       dictionary for instance variables (if defined)
|
|   __weakref__
|       list of weak references to the object (if defined)
|
class Deictic(Word)
|   Deictic word which is sensitive to the use of the present tense.
|
|   Method resolution order:
|       Deictic
|       Word
|       __builtin__.object
|
|   Methods defined here:
|
|   __str__(self)
|
|   realize(self, _, __, settings, subjects, tf)
|       Return a string realized from the word.
|
|   -----
|   Methods inherited from Word:
|
|   __eq__(self, word)
|
|   __init__(self, tag)
|
|   __ne__(self, word)
|
|   -----
|   Data descriptors inherited from Word:
|
|   __dict__
|       dictionary for instance variables (if defined)
|
|   __weakref__
|       list of weak references to the object (if defined)
|
class GeneratorSettings(__builtin__.object)
|   Five narrative/grammatical parameters important for realization.
|
|   Methods defined here:
|
|   __init__(self, narrator, narratee, tense_er, tense_rs, progressive)
|
|   -----
|   Data descriptors defined here:
|
|   __dict__

```

```

|         dictionary for instance variables (if defined)
|
|     __weakref__
|         list of weak references to the object (if defined)
|
class Heading(__builtin__.object)
|     A normally one-line heading, e.g., for indicating the current room.
|
|     Methods defined here:
|
|     __init__(self, string)
|
|     __str__(self)
|
|     realize(self, previous, last, _, discourse)
|         Return a string realized from this, position info, and the discourse.
|
|     -----
|     Data descriptors defined here:
|
|     __dict__
|         dictionary for instance variables (if defined)
|
|     __weakref__
|         list of weak references to the object (if defined)
|
class NP(Word)
|     Noun phrase.
|
|     Method resolution order:
|         NP
|         Word
|         __builtin__.object
|
|     Methods defined here:
|
|     __init__(self, string)
|
|     __str__(self)
|
|     realize(self, _, discourse, __, subjects, tf)
|         Return a string realized from the word.
|
|     -----
|     Methods inherited from Word:
|
|     __eq__(self, word)
|
|     __ne__(self, word)

```

```

-----
Data descriptors inherited from Word:

__dict__
    dictionary for instance variables (if defined)

__weakref__
    list of weak references to the object (if defined)

class Noun(Word)
    Noun describing an Item; may be pronominalized upon realization.

    Method resolution order:
        Noun
        Word
        __builtin__.object

    Methods defined here:

    __init__(self, tag, form, adjs, time, **keywords)

    __str__(self)

    realize(self, concept, discourse, settings, subjects, tf)
        Return a string realized from the word.

-----
Data and other attributes defined here:

object = 1

possessive = 2

reflexive = 3

subject = 0

-----
Methods inherited from Word:

__eq__(self, word)

__ne__(self, word)

-----
Data descriptors inherited from Word:

__dict__
    dictionary for instance variables (if defined)

```

```

|   __weakref__
|       list of weak references to the object (if defined)
class Paragraph(__builtin__.object)
|   Unit of several sentences, realized with indentation and spacing.
|
|   Methods defined here:
|
|   __eq__(self, pgraph)
|
|   __init__(self, template_filter, strings, time=0)
|
|   __ne__(self, pgraph)
|
|   __str__(self)
|
|   merge(self, paragraph)
|       Add the argument's sentences to this paragraph.
|
|   realize(self, previous, last, concept, discourse)
|       Return a string from this, position info, concept, and discourse.
|
|   set(self, narrator, narratee, tense_er, tense_rs, progressive)
|       Defines the generator settings for all the sentences.
|
|   -----
|   Data descriptors defined here:
|
|   __dict__
|       dictionary for instance variables (if defined)
|
|   __weakref__
|       list of weak references to the object (if defined)
class Pronoun(Word)
|   Pronoun of some form representing some Item.
|
|   Method resolution order:
|       Pronoun
|       Word
|       __builtin__.object
|
|   Methods defined here:
|
|   __init__(self, tag, form, time)
|
|   __str__(self)
|
|   realize(self, concept, discourse, settings, subjects, tf)
|       Return a string realized from the word.

```

Data and other attributes defined here:

object = 1

object_pronoun = {1: {'plural': {'?': 'us', 'female': 'us', 'male': 'u...

possessive = 2

possessive_pronoun = {1: {'plural': {'?': 'our', 'female': 'our', 'mal...

reflexive = 3

reflexive_pronoun = {1: {'plural': {'?': 'selves', 'female': 'ourselfe...

subject = 0

subject_pronoun = {1: {'plural': {'?': 'we', 'female': 'we', 'male': '...

Methods inherited from Word:

__eq__(self, word)

__ne__(self, word)

Data descriptors inherited from Word:

__dict__
dictionary for instance variables (if defined)

__weakref__
list of weak references to the object (if defined)

class Section(__builtin__.object)

Encapsulates blocks of text, each one a paragraph or heading.

Methods defined here:

__init__(self, blocks)

__str__(self)

realize(self, concept, discourse)
Return a string realized from this, the concept, and the discourse.

Data descriptors defined here:

```

|   __dict__
|       dictionary for instance variables (if defined)
|
|   __weakref__
|       list of weak references to the object (if defined)
|
class Sentence(__builtin__.object)
|   Holds a template with slots and other necessary parameters.
|
|   Methods defined here:
|
|   __eq__(self, sentence)
|
|   __init__(self, t_filter, string, time)
|
|   __ne__(self, sentence)
|
|   __str__(self)
|
|   prepend(self, string)
|       Add this string to the beginning of the sentence.
|
|   realize(self, concept, discourse)
|       Return a string from this, a concept, and the discourse.
|
|   set(self, narrator, narratee, tense_er, tense_rs, progressive)
|       Defines five grammatical/narrative settings needed to realize.
|
|   -----
|   Data descriptors defined here:
|
|   __dict__
|       dictionary for instance variables (if defined)
|
|   __weakref__
|       list of weak references to the object (if defined)
|
class Verb(Word)
|   Verb, conjugated based on the subject and other settings.
|
|   Method resolution order:
|       Verb
|       Word
|       __builtin__.object
|
|   Methods defined here:
|
|   __init__(self, tag, time, **keywords)

```

```

|   __str__(self)
|
|   apply_future_style(self, main_word, helper_words, person, number, e_r, progressiv
e)
|       Use "will" or "shall" to get the future.
|
|   apply_intensive(self, main_word, helper_words, person, number, r_s, e_r, progress
ive)
|       Change, e.g., "eat" to "do eat".
|
|   determine_main_word(self, person, number, r_s, e_r, progressive)
|       Based on tense, produce main word and appropriate helpers.
|
|   determine_number(self, concept, _, subjects)
|       Check verb's number setting or fall back to the subjects' number.
|
|   determine_person(self, concept, settings, subjects)
|       Check narrator/naratee and use first, second, or third person.
|
|   determine_progressive(self, settings)
|       Check verb's override for progressive or use sentence settings.
|
|   past_participle(self)
|
|   present_participle(self)
|
|   preterite(self)
|
|   realize(self, concept, _, settings, subjects, tf)
|       Return a string realized from the word.
|
|   regular_pret_pp(self)
|
|   third_person_singular(self)
|
|   -----
|   Data and other attributes defined here:
|
|   helpers = ['', '', '', 'am ', 'are ', 'have ', 'have ', 'have been ', ...
|
|   to_be = ['be', 'am', 'are', 'being', 'being', 'been', 'been', 'being',...
|
|   -----
|   Methods inherited from Word:
|
|   __eq__(self, word)
|
|   __ne__(self, word)
|
|   -----

```



```
| Data descriptors inherited from Word:
|
| __dict__
|     dictionary for instance variables (if defined)
|
| __weakref__
|     list of weak references to the object (if defined)
```

```
class Word(__builtin__.object)
| Base representation of a lexical element, not for instantiation.
|
| Methods defined here:
|
| __eq__(self, word)
|
| __init__(self, tag)
|
| __ne__(self, word)
|
| __str__(self)
|
| realize(self, _, __, ___, subjects, tf)
|     Return a string realized from the word.
|
| -----
| Data descriptors defined here:
|
| __dict__
|     dictionary for instance variables (if defined)
|
| __weakref__
|     list of weak references to the object (if defined)
```

FUNCTIONS

```
apply_filter_list(filter_list, string)
    Transforms the string by applying all filters in the list.

fix_orthography(string, capitalize=True)
    Capitalize (optionally) and punctuate the end of a sentence string.

negate(main_word, helper_words)
    Return the negative of the verb passed in as main words and helper words.
```

DATA

```
__author__ = 'Nick Montfort'
__copyright__ = 'Copyright 2011 Nick Montfort'
__license__ = 'ISC'
__status__ = 'Development'
__version__ = '0.5.0.0'
```

VERSION

0.5.0.0

AUTHOR

Nick Montfort