RAPP Platform Tests - Audio Processing

v0.6.0

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

denoise_unit_tests 9
detect_silence_unit_tests 9
energy_denoise_unit_tests 9
set_noise_profile_functional 9
set_noise_profile_unit_tests 10
transform_audio_unit_tests 10
utilities_unit_tests 10

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

TestCase
- denoise_unit_tests.TestAudioProcessing 13
- detect_silence_unit_tests.TestAudioProcessing 24
- energy_denoise_unit_tests.TestAudioProcessing 22
- set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc 11
- set_noise_profile_unit_tests.TestAudioProcessing 19
- transform_audio_unit_tests.TestAudioProcessing 17
- utilities_unit_tests.TestAudioProcessing 15

Chapter 3

Class Index

3.1 Class List

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

set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc 11
denoise_unit_tests.TestAudioProcessing 13
utilities_unit_tests.TestAudioProcessing 15
transform_audio_unit_tests.TestAudioProcessing 17
set_noise_profile_unit_tests.TestAudioProcessing 19
energy_denoise_unit_tests.TestAudioProcessing 22
detect_silence_unit_tests.TestAudioProcessing 24

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/set_noise_profile_functional.-py 27
/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/denoise_unit_tests.py 27
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Chapter 5

Namespace Documentation

5.1 denoise_unit_tests Namespace Reference

Classes

- class TestAudioProcessing

5.2 detect_silence_unit_tests Namespace Reference

Classes

- class TestAudioProcessing

5.3 energy_denoise_unit_tests Namespace Reference

Classes

- class TestAudioProcessing

5.4 set_noise_profile_functional Namespace Reference

Classes

- class AudioProcessingSetNoiseProfileFunc

Variables

- string PKG = 'rapp_audio_processing'

5.4.1 Variable Documentation

5.4.1.1 string set_noise_profile_functional.PKG = 'rapp_audio_processing'

Definition at line 21 of file set_noise_profile_functional.py.

5.5 set_noise_profile_unit_tests Namespace Reference

Classes

- class TestAudioProcessing

5.6 transform_audio_unit_tests Namespace Reference

Classes

- class TestAudioProcessing

5.7 utilities_unit_tests Namespace Reference

Classes

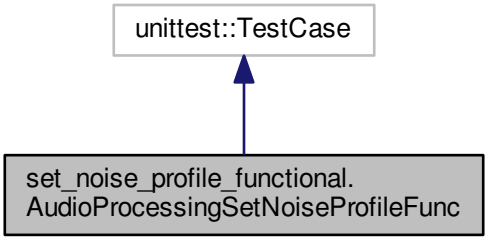
- class TestAudioProcessing

Chapter 6

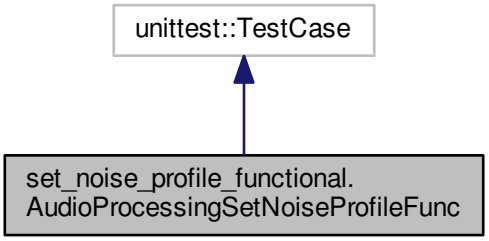
Class Documentation

6.1 set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc Class Reference

Inheritance diagram for set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc:



Collaboration diagram for set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc:



Public Member Functions

- def test_setNoiseProfileService_no_silence_file
- def test_setNoiseProfileService_ogg
- def test_setNoiseProfileService_ogg_stress
- def test_setNoiseProfileService_wav_1_ch
- def test_setNoiseProfileService_wav_4_ch
- def test_setNoiseProfileService_wav_6_ch

6.1.1 Detailed Description

Definition at line 35 of file set_noise_profile_functional.py.

6.1.2 Member Function Documentation

6.1.2.1 def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_no_silence_file (*self*)

Definition at line 122 of file set_noise_profile_functional.py.

6.1.2.2 def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_ogg (*self*)

Definition at line 37 of file set_noise_profile_functional.py.

6.1.2.3 def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_ogg_stress (*self*)

Definition at line 55 of file set_noise_profile_functional.py.

6.1.2.4 def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_wav_1_ch (*self*)

Definition at line 74 of file set_noise_profile_functional.py.

6.1.2.5 def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_wav_4_ch (*self*)

Definition at line 90 of file set_noise_profile_functional.py.

6.1.2.6 def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_wav_6_ch (*self*)

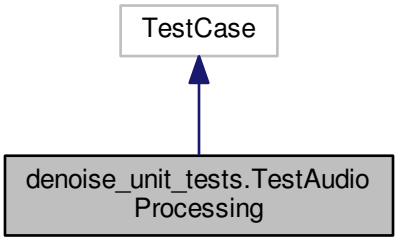
Definition at line 106 of file set_noise_profile_functional.py.

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

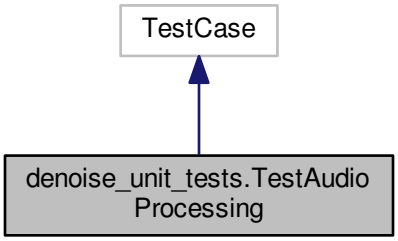
- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/set_noise_profile_functional.py

6.2 denoise_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for denoise_unit_tests.TestAudioProcessing:



Collaboration diagram for denoise_unit_tests.TestAudioProcessing:



Public Member Functions

- def setUp
- def tearDown
- def test_negativeScale
- def test_notExistentAudioFile
- def test_notExistentAudioType
- def test_notExistentUser
- def test_ogg_type_wav_1_ch_file
- def test_ogg_type_wav_4_ch_file
- def test_realFile
- def test_wav_1_ch_type_ogg_file
- def test_wav_1_ch_type_wav_4_ch_file
- def test_wav_4_ch_type_ogg_file
- def test_wav_4_ch_type_wav_1_ch_file

Public Attributes

- auxiliary_files_url
- rospack
- sox_denoise_module

6.2.1 Detailed Description

Definition at line 33 of file denoise_unit_tests.py.

6.2.2 Member Function Documentation

6.2.2.1 def denoise_unit_tests.TestAudioProcessing.setUp (*self*)

Definition at line 34 of file denoise_unit_tests.py.

6.2.2.2 def denoise_unit_tests.TestAudioProcessing.tearDown (*self*)

Definition at line 40 of file denoise_unit_tests.py.

6.2.2.3 def denoise_unit_tests.TestAudioProcessing.test_negativeScale (*self*)

Definition at line 123 of file denoise_unit_tests.py.

6.2.2.4 def denoise_unit_tests.TestAudioProcessing.test_notExistentAudioFile (*self*)

Definition at line 76 of file denoise_unit_tests.py.

6.2.2.5 def denoise_unit_tests.TestAudioProcessing.test_notExistentAudioType (*self*)

Definition at line 108 of file denoise_unit_tests.py.

6.2.2.6 def denoise_unit_tests.TestAudioProcessing.test_notExistentUser (*self*)

Definition at line 92 of file denoise_unit_tests.py.

6.2.2.7 def denoise_unit_tests.TestAudioProcessing.test_ogg_type_wav_1_ch_file (*self*)

Definition at line 138 of file denoise_unit_tests.py.

6.2.2.8 def denoise_unit_tests.TestAudioProcessing.test_ogg_type_wav_4_ch_file (*self*)

Definition at line 153 of file denoise_unit_tests.py.

6.2.2.9 def denoise_unit_tests.TestAudioProcessing.test_realFile (*self*)

Definition at line 44 of file denoise_unit_tests.py.

6.2.2.10 def denoise_unit_tests.TestAudioProcessing.test_wav_1_ch_type_ogg_file (*self*)

Definition at line 168 of file denoise_unit_tests.py.

6.2.2.11 def denoise_unit_tests.TestAudioProcessing.test_wav_1_ch_type_wav_4_ch_file (*self*)

Definition at line 183 of file denoise_unit_tests.py.

6.2.2.12 def denoise_unit_tests.TestAudioProcessing.test_wav_4_ch_type_ogg_file (*self*)

Definition at line 198 of file denoise_unit_tests.py.

6.2.2.13 def denoise_unit_tests.TestAudioProcessing.test_wav_4_ch_type_wav_1_ch_file (*self*)

Definition at line 213 of file denoise_unit_tests.py.

6.2.3 Member Data Documentation

6.2.3.1 denoise_unit_tests.TestAudioProcessing.auxiliary_files_url

Definition at line 36 of file denoise_unit_tests.py.

6.2.3.2 denoise_unit_tests.TestAudioProcessing.rospack

Definition at line 42 of file denoise_unit_tests.py.

6.2.3.3 denoise_unit_tests.TestAudioProcessing.sox_denoise_module

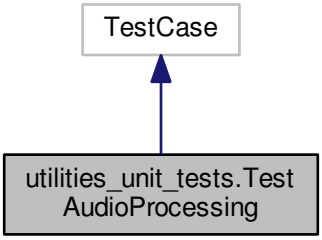
Definition at line 38 of file denoise_unit_tests.py.

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

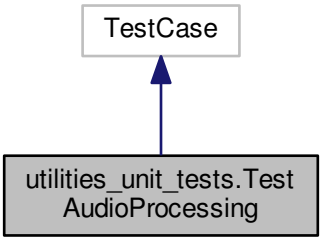
- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/denoise_unit_tests.py

6.3 utilities_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for utilities_unit_tests.TestAudioProcessing:



Collaboration diagram for utilities_unit_tests.TestAudioProcessing:



Public Member Functions

- def setUp
- def tearDown
- def test_existentFiles
- def test_mixedCases
- def test_notExistentFiles

Public Attributes

- utilities_module

6.3.1 Detailed Description

Definition at line 30 of file utilities_unit_tests.py.

6.3.2 Member Function Documentation

6.3.2.1 def utilities_unit_tests.TestAudioProcessing.setUp (*self*)

Definition at line 31 of file utilities_unit_tests.py.

6.3.2.2 def utilities_unit_tests.TestAudioProcessing.tearDown (*self*)

Definition at line 34 of file utilities_unit_tests.py.

6.3.2.3 def utilities_unit_tests.TestAudioProcessing.test_existentFiles (*self*)

Definition at line 37 of file utilities_unit_tests.py.

6.3.2.4 def utilities_unit_tests.TestAudioProcessing.test_mixedCases (*self*)

Definition at line 63 of file utilities_unit_tests.py.

6.3.2.5 def utilities_unit_tests.TestAudioProcessing.test_notExistentFiles (*self*)

Definition at line 53 of file utilities_unit_tests.py.

6.3.3 Member Data Documentation

6.3.3.1 utilities_unit_tests.TestAudioProcessing.utilities_module

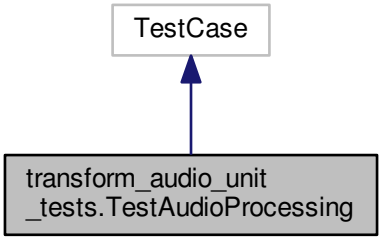
Definition at line 32 of file utilities_unit_tests.py.

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

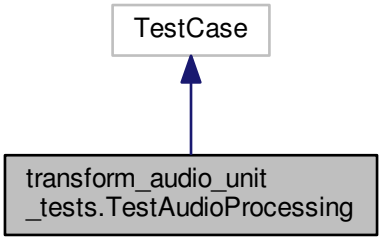
- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/utilities_unit_tests.py

6.4 transform_audio_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for transform_audio_unit_tests.TestAudioProcessing:



Collaboration diagram for transform_audio_unit_tests.TestAudioProcessing:



Public Member Functions

- def id_generator

- def setUp
- def tearDown
- def test_missingSource
- def test_missingTarget
- def test_nonexistentFile
- def test_normalTrans2Flac
- def test_normalTransOgg2Wav
- def test_wrongTypes
- def test_wrongValues

Public Attributes

- auxiliary_files_url
- rospack
- transform_audio_module

6.4.1 Detailed Description

Definition at line 36 of file transform_audio_unit_tests.py.

6.4.2 Member Function Documentation

6.4.2.1 def transform_audio_unit_tests.TestAudioProcessing.id_generator (*self*, *size* = `15`, *chars* = `string.ascii_lowercase + '_'`)

Definition at line 280 of file transform_audio_unit_tests.py.

6.4.2.2 def transform_audio_unit_tests.TestAudioProcessing.setUp (*self*)

Definition at line 37 of file transform_audio_unit_tests.py.

6.4.2.3 def transform_audio_unit_tests.TestAudioProcessing.tearDown (*self*)

Definition at line 43 of file transform_audio_unit_tests.py.

6.4.2.4 def transform_audio_unit_tests.TestAudioProcessing.test_missingSource (*self*)

Definition at line 190 of file transform_audio_unit_tests.py.

6.4.2.5 def transform_audio_unit_tests.TestAudioProcessing.test_missingTarget (*self*)

Definition at line 213 of file transform_audio_unit_tests.py.

6.4.2.6 def transform_audio_unit_tests.TestAudioProcessing.test_nonexistentFile (*self*)

Definition at line 121 of file transform_audio_unit_tests.py.

6.4.2.7 def transform_audio_unit_tests.TestAudioProcessing.test_normalTrans2Flac (*self*)

Definition at line 47 of file transform_audio_unit_tests.py.

6.4.2.8 def transform_audio_unit_tests.TestAudioProcessing.test_normalTransOgg2Wav (*self*)

Definition at line 88 of file transform_audio_unit_tests.py.

6.4.2.9 def transform_audio_unit_tests.TestAudioProcessing.test_wrongTypes (*self*)

Definition at line 146 of file transform_audio_unit_tests.py.

6.4.2.10 def transform_audio_unit_tests.TestAudioProcessing.test_wrongValues (*self*)

Definition at line 234 of file transform_audio_unit_tests.py.

6.4.3 Member Data Documentation

6.4.3.1 transform_audio_unit_tests.TestAudioProcessing.auxiliary_files_url

Definition at line 39 of file transform_audio_unit_tests.py.

6.4.3.2 transform_audio_unit_tests.TestAudioProcessing.rospack

Definition at line 45 of file transform_audio_unit_tests.py.

6.4.3.3 transform_audio_unit_tests.TestAudioProcessing.transform_audio_module

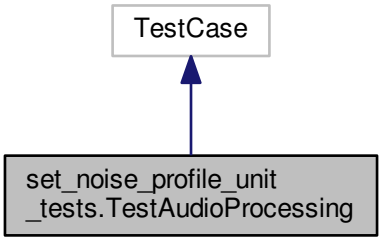
Definition at line 41 of file transform_audio_unit_tests.py.

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

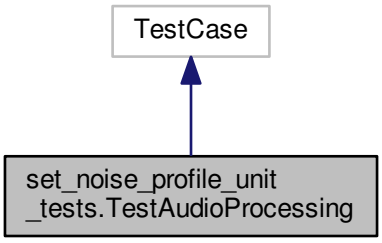
- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/transform_audio_unit_tests.py

6.5 set_noise_profile_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for set_noise_profile_unit_tests.TestAudioProcessing:



Collaboration diagram for set_noise_profile_unit_tests.TestAudioProcessing:



Public Member Functions

- def setUp
- def tearDown
- def test_no_silence_file
- def test_ogg
- def test_ogg_with_wav_1_ch_type
- def test_ogg_with_wav_4_ch_type
- def test_wav_1_ch
- def test_wav_1_ch_with_ogg_type
- def test_wav_1_ch_with_wav_4_ch_type
- def test_wav_4_ch
- def test_wav_4_ch_with_ogg_type
- def test_wav_4_ch_with_wav_1_ch_type
- def test_wav_6_ch

Public Attributes

- auxiliary_files_url
- module
- rospack

6.5.1 Detailed Description

Definition at line 31 of file set_noise_profile_unit_tests.py.

6.5.2 Member Function Documentation

6.5.2.1 def set_noise_profile_unit_tests.TestAudioProcessing.setUp (*self*)

Definition at line 32 of file set_noise_profile_unit_tests.py.

6.5.2.2 def set_noise_profile_unit_tests.TestAudioProcessing.tearDown (*self*)

Definition at line 38 of file set_noise_profile_unit_tests.py.

6.5.2.3 def set_noise_profile_unit_tests.TestAudioProcessing.test_no_silence_file (*self*)

Definition at line 92 of file set_noise_profile_unit_tests.py.

6.5.2.4 def set_noise_profile_unit_tests.TestAudioProcessing.test_ogg (*self*)

Definition at line 42 of file set_noise_profile_unit_tests.py.

6.5.2.5 def set_noise_profile_unit_tests.TestAudioProcessing.test_ogg_with_wav_1_ch_type (*self*)

Definition at line 127 of file set_noise_profile_unit_tests.py.

6.5.2.6 def set_noise_profile_unit_tests.TestAudioProcessing.test_ogg_with_wav_4_ch_type (*self*)

Definition at line 134 of file set_noise_profile_unit_tests.py.

6.5.2.7 def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_1_ch (*self*)

Definition at line 57 of file set_noise_profile_unit_tests.py.

6.5.2.8 def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_1_ch_with_ogg_type (*self*)

Definition at line 99 of file set_noise_profile_unit_tests.py.

6.5.2.9 def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_1_ch_with_wav_4_ch_type (*self*)

Definition at line 106 of file set_noise_profile_unit_tests.py.

6.5.2.10 def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_4_ch (*self*)

Definition at line 71 of file set_noise_profile_unit_tests.py.

6.5.2.11 def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_4_ch_with_ogg_type (*self*)

Definition at line 113 of file set_noise_profile_unit_tests.py.

6.5.2.12 def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_4_ch_with_wav_1_ch_type (*self*)

Definition at line 120 of file set_noise_profile_unit_tests.py.

6.5.2.13 def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_6_ch (*self*)

Definition at line 85 of file set_noise_profile_unit_tests.py.

6.5.3 Member Data Documentation

6.5.3.1 set_noise_profile_unit_tests.TestAudioProcessing.auxiliary_files_url

Definition at line 34 of file set_noise_profile_unit_tests.py.

6.5.3.2 set_noise_profile_unit_tests.TestAudioProcessing.module

Definition at line 36 of file set_noise_profile_unit_tests.py.

6.5.3.3 set_noise_profile_unit_tests.TestAudioProcessing.rospack

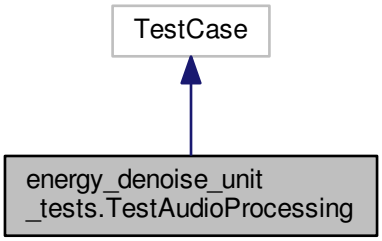
Definition at line 40 of file set_noise_profile_unit_tests.py.

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

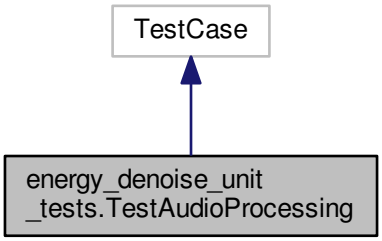
- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/set_noise_profile_unit_tests.py

6.6 energy_denoise_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for energy_denoise_unit_tests.TestAudioProcessing:



Collaboration diagram for energy_denoise_unit_tests.TestAudioProcessing:



Public Member Functions

- def setUp
- def tearDown
- def test_energy_denois
- def test_notExistentFile

Public Attributes

- auxiliary_files_url
- energy_denoise_module
- rospack

6.6.1 Detailed Description

Definition at line 33 of file energy_denoise_unit_tests.py.

6.6.2 Member Function Documentation

6.6.2.1 def energy_denoise_unit_tests.TestAudioProcessing.setUp (*self*)

Definition at line 34 of file energy_denoise_unit_tests.py.

6.6.2.2 def energy_denoise_unit_tests.TestAudioProcessing.tearDown (*self*)

Definition at line 40 of file energy_denoise_unit_tests.py.

6.6.2.3 def energy_denoise_unit_tests.TestAudioProcessing.test_energy_denois (*self*)

Definition at line 44 of file energy_denoise_unit_tests.py.

6.6.2.4 def energy_denoise_unit_tests.TestAudioProcessing.test_notExistentFile (*self*)

Definition at line 72 of file energy_denoise_unit_tests.py.

6.6.3 Member Data Documentation

6.6.3.1 energy_denoise_unit_tests.TestAudioProcessing.auxiliary_files_url

Definition at line 36 of file energy_denoise_unit_tests.py.

6.6.3.2 energy_denoise_unit_tests.TestAudioProcessing.energy_denoise_module

Definition at line 38 of file energy_denoise_unit_tests.py.

6.6.3.3 energy_denoise_unit_tests.TestAudioProcessing.rospack

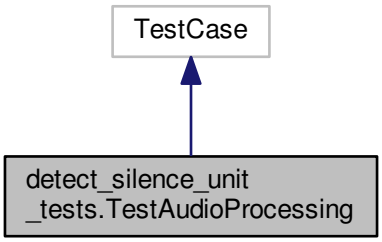
Definition at line 42 of file energy_denoise_unit_tests.py.

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

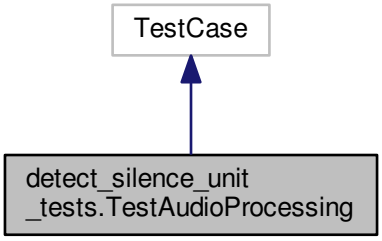
- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/energy_denoise_unit_tests.py

6.7 detect_silence_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for detect_silence_unit_tests.TestAudioProcessing:



Collaboration diagram for detect_silence_unit_tests.TestAudioProcessing:



Public Member Functions

- def setUp
- def tearDown
- def test_noSilence
- def test_notExistentFile
- def test_silence

Public Attributes

- auxiliary_files_url
- detect_silence_module
- rospack

6.7.1 Detailed Description

Definition at line 31 of file detect_silence_unit_tests.py.

6.7.2 Member Function Documentation

6.7.2.1 def detect_silence_unit_tests.TestAudioProcessing.setUp (*self*)

Definition at line 32 of file detect_silence_unit_tests.py.

6.7.2.2 def detect_silence_unit_tests.TestAudioProcessing.tearDown (*self*)

Definition at line 38 of file detect_silence_unit_tests.py.

6.7.2.3 def detect_silence_unit_tests.TestAudioProcessing.test_noSilence (*self*)

Definition at line 47 of file detect_silence_unit_tests.py.

6.7.2.4 def detect_silence_unit_tests.TestAudioProcessing.test_notExistentFile (*self*)

Definition at line 52 of file detect_silence_unit_tests.py.

6.7.2.5 def detect_silence_unit_tests.TestAudioProcessing.test_silence (*self*)

Definition at line 42 of file detect_silence_unit_tests.py.

6.7.3 Member Data Documentation

6.7.3.1 detect_silence_unit_tests.TestAudioProcessing.auxiliary_files_url

Definition at line 34 of file detect_silence_unit_tests.py.

6.7.3.2 detect_silence_unit_tests.TestAudioProcessing.detect_silence_module

Definition at line 36 of file detect_silence_unit_tests.py.

6.7.3.3 detect_silence_unit_tests.TestAudioProcessing.rospack

Definition at line 40 of file detect_silence_unit_tests.py.

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

- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/detect_silence_unit_tests.py

Chapter 7

File Documentation

7.1 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/set_noise_profile_functional.py File Reference

Classes

- class set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc

Namespaces

- set_noise_profile_functional

Variables

- string set_noise_profile_functional.PKG = 'rapp_audio_processing'

7.2 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/denoise_unit_tests.py File Reference

Classes

- class denoise_unit_tests.TestAudioProcessing

Namespaces

- denoise_unit_tests

7.3 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/detect_silence_unit_tests.py File Reference

Classes

- class detect_silence_unit_tests.TestAudioProcessing

Namespaces

- detect_silence_unit_tests

7.4 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/energy_denoise_unit_tests.py File Reference

Classes

- class energy_denoise_unit_tests.TestAudioProcessing

Namespaces

- energy_denoise_unit_tests

7.5 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/set_noise_profile_unit_tests.py File Reference

Classes

- class set_noise_profile_unit_tests.TestAudioProcessing

Namespaces

- set_noise_profile_unit_tests

7.6 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/transform_audio_unit_tests.py File Reference

Classes

- class transform_audio_unit_tests.TestAudioProcessing

Namespaces

- transform_audio_unit_tests

7.7 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/utilities_unit_tests.py File Reference

Classes

- class utilities_unit_tests.TestAudioProcessing

Namespaces

- utilities_unit_tests

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