

RAPP Platform Tests - Speech Detection Google
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:

[functional_tests](#) 9

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

- TestCase
- functional_tests.SpeechToTextFunc 11

Chapter 3

Class Index

3.1 Class List

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

functional_tests.SpeechToTextFunc	Inherits the unittest.TestCase class in order to offer functional tests functionality	11
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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_speech_detection_google/tests/speech_to_text/functional_tests.py](#) 13

Chapter 5

Namespace Documentation

5.1 functional_tests Namespace Reference

Classes

- class [SpeechToTextFunc](#)
Inherits the unittest.TestCase class in order to offer functional tests functionality.

Variables

- string [PKG](#) = 'rapp_speech_detection_google'

5.1.1 Variable Documentation

5.1.1.1 string functional_tests.PKG = 'rapp_speech_detection_google'

Definition at line 18 of file functional_tests.py.

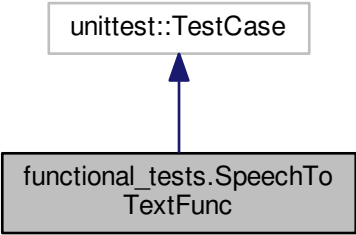
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Class Documentation

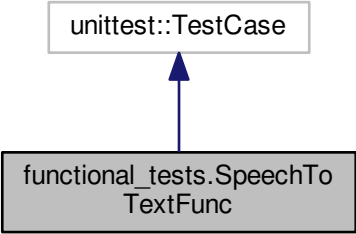
6.1 functional_tests.SpeechToTextFunc Class Reference

Inherits the unittest.TestCase class in order to offer functional tests functionality.

Inheritance diagram for functional_tests.SpeechToTextFunc:



Collaboration diagram for functional_tests.SpeechToTextFunc:



Public Member Functions

- def [test_imageFile](#)
Tests Google ASR with a NAO recorded ogg file.
- def [test_notExistentFile](#)
Tests Google ASR with a missing file.
- def [test_wavFile](#)
Tests Google ASR with a NAO captured wav file, 1 channel.

6.1.1 Detailed Description

Inherits the unittest.TestCase class in order to offer functional tests functionality.

Definition at line 32 of file functional_tests.py.

6.1.2 Member Function Documentation

6.1.2.1 def functional_tests.SpeechToTextFunc.test_imageFile (self)

Tests Google ASR with a NAO recorded ogg file.

Should return "Monday" .skip("Depends on Google ASR result - Sometimes fails") def test_wavFile_2(self): rospack = rospkg.RosPack() google_service = rospy.get_param(\ "rapp_speech_detection_google_detect_speech_topic") rospy.wait_for_service(google_service) stt_service = rospy.ServiceProxy(google_service, SpeechToTextSrv) req = SpeechToTextSrvRequest() req.filename = rospack.get_path('rapp_testing_tools') + \ '/test_data/speech_detection_ samples/recording_monday.ogg' req.audio_type = 'nao_ogg' req.user = 'rapp' req.language = 'en' response = stt_service(req) words_basic = len(response.words) Tests Google ASR with an image. Should return nothing

Definition at line 77 of file functional_tests.py.

6.1.2.2 def functional_tests.SpeechToTextFunc.test_notExistentFile (self)

Tests Google ASR with a missing file.

Should return nothing

Definition at line 99 of file functional_tests.py.

6.1.2.3 def functional_tests.SpeechToTextFunc.test_wavFile (self)

Tests Google ASR with a NAO captured wav file, 1 channel.

Should return yes and no

Definition at line 35 of file functional_tests.py.

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

- [/home/travis/rapp_temp/rapp-platform/rapp_speech_detection_google/tests/speech_to_text/functional_tests.py](#)

Chapter 7

File Documentation

7.1 `/home/travis/rapp_temp/rapp-platform/rapp_speech_detection_google/tests/speech-to-text/functional_tests.py` File Reference

Classes

- class `functional_tests.SpeechToTextFunc`
Inherits the `unittest.TestCase` class in order to offer functional tests functionality.

Namespaces

- `functional_tests`

Variables

- string `functional_tests.PKG = 'rapp_speech_detection_google'`

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