

# RAPP Platform Tests - Knowrob Wrapper

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# Chapter 1

## Namespace Index

### 1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

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<a href="#">load_dump_ontology_functional_tests</a> . . . . .	9
<a href="#">sub_super_class_functional_tests</a> . . . . .	10



## Chapter 2

# Hierarchical Index

### 2.1 Class Hierarchy

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

TestCase	
cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc . . . . .	<a href="#">11</a>
load_dump_ontology_functional_tests.OntologyFunc . . . . .	<a href="#">14</a>
sub_super_class_functional_tests.OntologyFunc . . . . .	<a href="#">15</a>





## Chapter 3

# Class Index

### 3.1 Class List

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

<a href="#">cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc</a>	
Inherits the unittest.TestCase class in order to offer functional tests functionality . . . . .	11
<a href="#">load_dump_ontology_functional_tests.OntologyFunc</a>	
Inherits the unittest.TestCase class in order to offer functional tests functionalit . . . . .	14
<a href="#">sub_super_class_functional_tests.OntologyFunc</a>	
Inherits the unittest.TestCase class in order to offer functional tests functionality . . . . .	15



## 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_knowrob_wrapper/tests/functional/ <a href="#">cognitive_exercise_- system_knowrob_services_functional_tests.py</a> . . . . .	21
/home/travis/rapp_temp/rapp-platform/rapp_knowrob_wrapper/tests/functional/ <a href="#">load_dump_ontology_- functional_tests.py</a> . . . . .	21
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## Chapter 5

# Namespace Documentation

### 5.1 cognitive\_exercise\_system\_knowrob\_services\_functional\_tests Namespace Reference

#### Classes

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

#### Variables

- string [PKG](#) = 'rapp\_knowrob\_wrapper'

#### 5.1.1 Variable Documentation

5.1.1.1 string `cognitive_exercise_system_knowrob_services_functional_tests.PKG` = 'rapp\_knowrob\_wrapper'

Definition at line 17 of file `cognitive_exercise_system_knowrob_services_functional_tests.py`.

### 5.2 load\_dump\_ontology\_functional\_tests Namespace Reference

#### Classes

- class [OntologyFunc](#)  
*Inherits the unittest.TestCase class in order to offer functional tests functionalit.*

#### Variables

- string [PKG](#) = 'rapp\_knowrob\_wrapper'

#### 5.2.1 Variable Documentation

5.2.1.1 string `load_dump_ontology_functional_tests.PKG` = 'rapp\_knowrob\_wrapper'

Definition at line 18 of file `load_dump_ontology_functional_tests.py`.

## 5.3 sub\_super\_class\_functional\_tests Namespace Reference

### Classes

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

### Variables

- string [PKG](#) = 'rapp\_knowrob\_wrapper'

#### 5.3.1 Variable Documentation

##### 5.3.1.1 string sub\_super\_class\_functional\_tests.PKG = 'rapp\_knowrob\_wrapper'

Definition at line 17 of file `sub_super_class_functional_tests.py`.

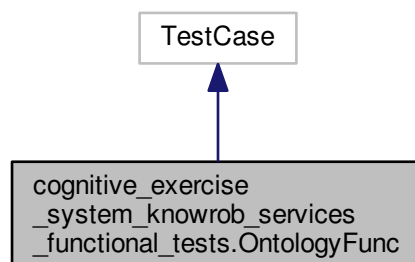
## Chapter 6

# Class Documentation

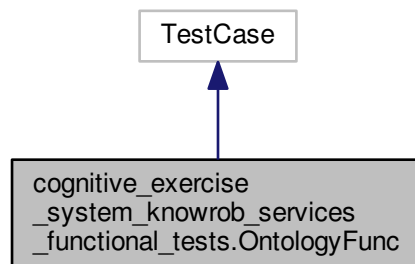
### 6.1 `cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc` Class Reference

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

Inheritance diagram for `cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc`:



Collaboration diagram for `cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc`:



## Public Member Functions

- def [test\\_cognitive\\_tests\\_of\\_existent\\_type](#)  
*Test cognitive tests of existent type.*
- def [test\\_cognitive\\_tests\\_of\\_nonexistent\\_type](#)  
*Test cognitive tests of non existent type.*
- def [test\\_create\\_nonexistent\\_cognitive\\_test](#)  
*Test create existent cognitive test* def `test_create_existent_cognitive_test(self): subclasses_of_service = rospy.get_param(\ "rapp_knowrob_wrapper_create_cognitive_tests") rospy.wait_for_service(subclasses_of_service)`
- def [test\\_create\\_nonexistent\\_cognitive\\_test\\_xml\\_path\\_nonexistent](#)  
*Test create non existent cognitive test with invalid xml path.*
- def [test\\_get\\_user\\_ontology\\_alias\\_existent\\_user](#)  
*Test get user ontology alias of existent user.*
- def [test\\_get\\_user\\_ontology\\_alias\\_nonexistent\\_user](#)  
*Test get user ontology alias of nonexistent user.*
- def [test\\_record\\_user\\_performance\\_nonexisting\\_test\\_and\\_user](#)  
*Test record user performance of existent user and test type* def `test_record_user_performance_existing_test_and_user(self): subclasses_of_service = rospy.get_param(\ "rapp_knowrob_wrapper_record_user_cognitive_tests_performance") rospy.wait_for_service(subclasses_of_service)`
- def [test\\_user\\_performance\\_existent\\_user\\_and\\_test](#)  
*Test user performance of existent user and test type.*
- def [test\\_user\\_performance\\_nonexistent\\_user\\_and\\_test](#)  
*Test user performance of nonexistent user and test type.*

### 6.1.1 Detailed Description

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

Definition at line 44 of file `cognitive_exercise_system_knowrob_services_functional_tests.py`.

### 6.1.2 Member Function Documentation

#### 6.1.2.1 `def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_cognitive_tests_of_existent_type ( self )`

Test cognitive tests of existent type.



Definition at line 47 of file cognitive\_exercise\_system\_knowrob\_services\_functional\_tests.py.

```
6.1.2.2 def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_cognitive_tests_of_nonexistent_type ( self )
```

Test cognitive tests of non existent type.

Definition at line 65 of file cognitive\_exercise\_system\_knowrob\_services\_functional\_tests.py.

```
6.1.2.3 def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_create_nonexistent_cognitive_test ( self )
```

Test create existent cognitive test def test\_create\_existent\_cognitive\_test(self): subclasses\_of\_service = rospy.get\_param(\ "rapp\_knowrob\_wrapper\_create\_cognitive\_tests") rospy.wait\_for\_service(subclasses\_of\_service)

Test create non existent cognitive test

Definition at line 196 of file cognitive\_exercise\_system\_knowrob\_services\_functional\_tests.py.

```
6.1.2.4 def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_create_nonexistent_cognitive_test_xml_path_nonexistent ( self )
```

Test create non existent cognitive test with invalid xml path.

Definition at line 216 of file cognitive\_exercise\_system\_knowrob\_services\_functional\_tests.py.

```
6.1.2.5 def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_get_user_ontology_alias_existent_user ( self )
```

Test get user ontology alias of existent user.

Definition at line 81 of file cognitive\_exercise\_system\_knowrob\_services\_functional\_tests.py.

```
6.1.2.6 def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_get_user_ontology_alias_nonexistent_user ( self )
```

Test get user ontology alias of nonexistent user.

Definition at line 96 of file cognitive\_exercise\_system\_knowrob\_services\_functional\_tests.py.

```
6.1.2.7 def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_record_user_performance_nonexisting_test_and_user ( self )
```

Test record user performance of existent user and test type def test\_record\_user\_performance\_existent\_test\_and\_user(self): subclasses\_of\_service = rospy.get\_param(\ "rapp\_knowrob\_wrapper\_record\_user\_cognitive\_tests\_performance") rospy.wait\_for\_service(subclasses\_of\_service)

req.test\_type="ArithmeticCts" req.test="ArithmeticCts\_MewmmEsP" req.score=11 req.timestamp=1 response = test\_service(req) self.assertEqual(response.success, True) Test record user performance of nonexistent user and test type

Definition at line 161 of file cognitive\_exercise\_system\_knowrob\_services\_functional\_tests.py.

```
6.1.2.8 def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_user_performance_existent_user_and_test ( self )
```

Test user performance of existent user and test type.

Definition at line 110 of file `cognitive_exercise_system_knowrob_services_functional_tests.py`.

6.1.2.9 `def cognitive_exercise_system_knowrob_services_functional_tests.OntologyFunc.test_user_performance_nonexistent_user_and_test ( self )`

Test user performance of nonexistent user and test type.

Definition at line 127 of file `cognitive_exercise_system_knowrob_services_functional_tests.py`.

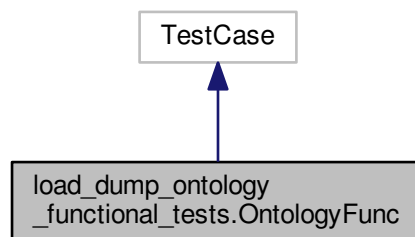
The documentation for this class was generated from the following file:

- [/home/travis/rapp\\_temp/rapp-platform/rapp\\_knowrob\\_wrapper/tests/functional/cognitive\\_exercise\\_system\\_knowrob\\_services\\_functional\\_tests.py](#)

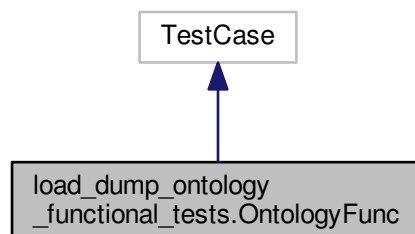
## 6.2 load\_dump\_ontology\_functional\_tests.OntologyFunc Class Reference

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

Inheritance diagram for `load_dump_ontology_functional_tests.OntologyFunc`:



Collaboration diagram for `load_dump_ontology_functional_tests.OntologyFunc`:



### Public Member Functions

- `def test_dump_correct_path`

- Test dump ontology with correct path.*
- def [test\\_dump\\_invalid\\_path](#)  
*Test dump ontology with invalid path.*
- def [test\\_load\\_existent](#)  
*Test load ontology from existent file.*
- def [test\\_load\\_nonexistent](#)  
*Test load ontology from non existent file.*

### 6.2.1 Detailed Description

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

Definition at line 33 of file load\_dump\_ontology\_functional\_tests.py.

### 6.2.2 Member Function Documentation

#### 6.2.2.1 def load\_dump\_ontology\_functional\_tests.OntologyFunc.test\_dump\_correct\_path ( self )

Test dump ontology with correct path.

Definition at line 64 of file load\_dump\_ontology\_functional\_tests.py.

#### 6.2.2.2 def load\_dump\_ontology\_functional\_tests.OntologyFunc.test\_dump\_invalid\_path ( self )

Test dump ontology with invalid path.

Definition at line 78 of file load\_dump\_ontology\_functional\_tests.py.

#### 6.2.2.3 def load\_dump\_ontology\_functional\_tests.OntologyFunc.test\_load\_existent ( self )

Test load ontology from existent file.

Definition at line 36 of file load\_dump\_ontology\_functional\_tests.py.

#### 6.2.2.4 def load\_dump\_ontology\_functional\_tests.OntologyFunc.test\_load\_nonexistent ( self )

Test load ontology from non existent file.

Definition at line 50 of file load\_dump\_ontology\_functional\_tests.py.

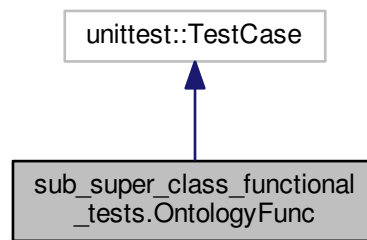
The documentation for this class was generated from the following file:

- [/home/travis/rapp\\_temp/rapp-platform/rapp\\_knowrob\\_wrapper/tests/functional/load\\_dump\\_ontology\\_functional\\_tests.py](#)

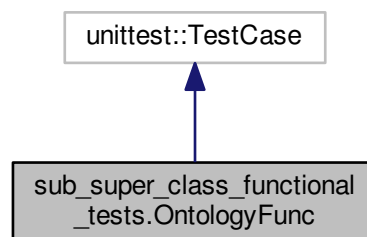
## 6.3 sub\_super\_class\_functional\_tests.OntologyFunc Class Reference

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

Inheritance diagram for `sub_super_class_functional_tests.OntologyFunc`:



Collaboration diagram for `sub_super_class_functional_tests.OntologyFunc`:



## Public Member Functions

- def [test\\_sub\\_superclasses\\_of\\_existent\\_class\\_direct](#)  
*Tests sub-superclasses\_of existent class direct.*
- def [test\\_sub\\_superclasses\\_of\\_existent\\_class\\_direct\\_recursive](#)  
*Tests sub-superclasses\_of existent class direct recursive.*
- def [test\\_sub\\_superclasses\\_of\\_existent\\_class\\_indirect](#)  
*Tests sub-superclasses\_of existent class indirect.*
- def [test\\_sub\\_superclasses\\_of\\_existent\\_class\\_indirect\\_recursive](#)  
*Tests sub-superclasses\_of existent class indirect recursive.*
- def [test\\_sub\\_superclasses\\_of\\_existent\\_class\\_recursive](#)  
*Tests sub-superclasses\_of existent class recursive.*
- def [test\\_sub\\_superclasses\\_of\\_existent\\_classes\\_recursive](#)  
*Tests sub-superclasses\_of existent classes.*
- def [test\\_sub\\_superclasses\\_of\\_non\\_existent\\_class](#)  
*Tests sub-superclasses\_of non existent class.*
- def [test\\_sub\\_superclasses\\_of\\_non\\_existent\\_classes](#)  
*Tests sub-superclasses\_of non existent classes.*

- def [test\\_subclasses\\_of\\_existent\\_class](#)  
*Tests Subclasses\_of existent class.*
- def [test\\_subclasses\\_of\\_existent\\_class\\_recursive](#)  
*Tests Subclass\_of existent class recursive.*
- def [test\\_subclasses\\_of\\_existent\\_class\\_stress](#)  
*Tests Subclasses\_of existent class stress.*
- def [test\\_subclasses\\_of\\_non\\_existent\\_class](#)  
*Tests Subclass\_of non existent class.*
- def [test\\_subclasses\\_of\\_non\\_existent\\_class\\_recursive](#)  
*Tests Subclass\_of non existent class recursive.*
- def [test\\_superclasses\\_of\\_existent\\_class](#)  
*Tests Superclasses\_of existent class.*
- def [test\\_superclasses\\_of\\_existent\\_class\\_recursive](#)  
*Tests Superclasses\_of existent class recursive.*
- def [test\\_superclasses\\_of\\_non\\_existent\\_class](#)  
*Tests Superclasses\_of non existent class.*
- def [test\\_superclasses\\_of\\_non\\_existent\\_class\\_recursive](#)  
*Tests Superclasses\_of non existent class recursive.*

### 6.3.1 Detailed Description

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

Definition at line 38 of file sub\_super\_class\_functional\_tests.py.

### 6.3.2 Member Function Documentation

#### 6.3.2.1 def sub\_super\_class\_functional\_tests.OntologyFunc.test\_sub\_superclasses\_of\_existent\_class\_direct ( self )

Tests sub-superclasses\_of existent class direct.

Definition at line 200 of file sub\_super\_class\_functional\_tests.py.

#### 6.3.2.2 def sub\_super\_class\_functional\_tests.OntologyFunc.test\_sub\_superclasses\_of\_existent\_class\_direct\_recursive ( self )

Tests sub-superclasses\_of existent class direct recursive.

Definition at line 234 of file sub\_super\_class\_functional\_tests.py.

#### 6.3.2.3 def sub\_super\_class\_functional\_tests.OntologyFunc.test\_sub\_superclasses\_of\_existent\_class\_indirect ( self )

Tests sub-superclasses\_of existent class indirect.

Definition at line 217 of file sub\_super\_class\_functional\_tests.py.

#### 6.3.2.4 def sub\_super\_class\_functional\_tests.OntologyFunc.test\_sub\_superclasses\_of\_existent\_class\_indirect\_recursive ( self )

Tests sub-superclasses\_of existent class indirect recursive.

Definition at line 251 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.5** `def sub_super_class_functional_tests.OntologyFunc.test_sub_superclasses_of_existent_class_recursive ( self )`

Tests sub-superclasses\_of existent class recursive.

Definition at line 287 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.6** `def sub_super_class_functional_tests.OntologyFunc.test_sub_superclasses_of_existent_classes_recursive ( self )`

Tests sub-superclasses\_of existent classes.

Definition at line 325 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.7** `def sub_super_class_functional_tests.OntologyFunc.test_sub_superclasses_of_non_existent_class ( self )`

Tests sub-superclasses\_of non existent class.

Definition at line 268 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.8** `def sub_super_class_functional_tests.OntologyFunc.test_sub_superclasses_of_non_existent_classes ( self )`

Tests sub-superclasses\_of non existent classes.

Definition at line 306 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.9** `def sub_super_class_functional_tests.OntologyFunc.test_subclasses_of_existent_class ( self )`

Tests Subclasses\_of existent class.

Definition at line 41 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.10** `def sub_super_class_functional_tests.OntologyFunc.test_subclasses_of_existent_class_recursive ( self )`

Tests Subclass\_of existent class recursive.

Definition at line 92 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.11** `def sub_super_class_functional_tests.OntologyFunc.test_subclasses_of_existent_class_stress ( self )`

Tests Subclasses\_of existent class stress.

Definition at line 58 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.12** `def sub_super_class_functional_tests.OntologyFunc.test_subclasses_of_non_existent_class ( self )`

Tests Subclass\_of non existent class.

Definition at line 75 of file sub\_super\_class\_functional\_tests.py.

**6.3.2.13** `def sub_super_class_functional_tests.OntologyFunc.test_subclasses_of_non_existent_class_recursive ( self )`

Tests Subclass\_of non existent class recursive.

Definition at line 113 of file sub\_super\_class\_functional\_tests.py.

6.3.2.14 `def sub_super_class_functional_tests.OntologyFunc.test_superclasses_of_existent_class ( self )`

Tests Superclasses\_of existent class.

Definition at line 131 of file sub\_super\_class\_functional\_tests.py.

6.3.2.15 `def sub_super_class_functional_tests.OntologyFunc.test_superclasses_of_existent_class_recursive ( self )`

Tests Superclasses\_of existent class recursive.

Definition at line 146 of file sub\_super\_class\_functional\_tests.py.

6.3.2.16 `def sub_super_class_functional_tests.OntologyFunc.test_superclasses_of_non_existent_class ( self )`

Tests Superclasses\_of non existent class.

Definition at line 167 of file sub\_super\_class\_functional\_tests.py.

6.3.2.17 `def sub_super_class_functional_tests.OntologyFunc.test_superclasses_of_non_existent_class_recursive ( self )`

Tests Superclasses\_of non existent class recursive.

Definition at line 183 of file sub\_super\_class\_functional\_tests.py.

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

- [/home/travis/rapp\\_temp/rapp-platform/rapp\\_knowrob\\_wrapper/tests/functional/sub\\_super\\_class\\_functional\\_tests.py](#)





## Chapter 7

# File Documentation

### 7.1 /home/travis/rapp\_temp/rapp-platform/rapp-knowrob\_wrapper/tests/functional/cognitive-exercise\_system-knowrob\_services\_functional\_tests.py File Reference

#### Classes

- class [cognitive\\_exercise\\_system-knowrob\\_services\\_functional\\_tests.OntologyFunc](#)  
*Inherits the unittest.TestCase class in order to offer functional tests functionality.*

#### Namespaces

- [cognitive\\_exercise\\_system-knowrob\\_services\\_functional\\_tests](#)

#### Variables

- string [cognitive\\_exercise\\_system-knowrob\\_services\\_functional\\_tests.PKG](#) = 'rapp-knowrob\_wrapper'

### 7.2 /home/travis/rapp\_temp/rapp-platform/rapp-knowrob\_wrapper/tests/functional/load-dump\_ontology\_functional\_tests.py File Reference

#### Classes

- class [load\\_dump\\_ontology\\_functional\\_tests.OntologyFunc](#)  
*Inherits the unittest.TestCase class in order to offer functional tests functionalit.*

#### Namespaces

- [load\\_dump\\_ontology\\_functional\\_tests](#)

#### Variables

- string [load\\_dump\\_ontology\\_functional\\_tests.PKG](#) = 'rapp-knowrob\_wrapper'

### 7.3 /home/travis/rapp\_temp/rapp-platform/rapp-knowrob\_wrapper/tests/functional/sub - super\_class\_functional\_tests.py File Reference

#### Classes

- class [sub\\_super\\_class\\_functional\\_tests.OntologyFunc](#)  
*Inherits the `unittest.TestCase` class in order to offer functional tests functionality.*

#### Namespaces

- [sub\\_super\\_class\\_functional\\_tests](#)

#### Variables

- string [sub\\_super\\_class\\_functional\\_tests.PKG](#) = 'rapp-knowrob\_wrapper'

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