Contacts

1.0

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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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Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

Database 13
TestCase
    TestDbOperations 17
    TestGui 17
Window
    Gui 15

Chapter 3

Data Structure Index

3.1 Data Structures

Here are the data structures with brief descriptions:

Database 13
Gui 15
TestDbOperations 17
TestGui 17

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

__init__.py 19
db_sync.py 19
db_tests.py 19
gui.py 20
gui_tests.py 20

Chapter 5

Namespace Documentation

5.1 Lista Namespace Reference

8 & 9

5.1.1 Detailed Description

8 & 9

```
LISTA 8
Poniższe zadania polegają na implementacji aplikacji przechowujących trwale
proste dane osobiste. Każda aplikacja powinna implementować:
• trwałe przechowywanie danych;
• graficzny interfejs użytkownika (np. w GTK+);
• wyświetlenie listy danych;
• elementarne wyszukiwanie danych spełniających jakiś prosty warunek;
• podstawowe operacje dodawania, odczytu, aktualizacji i usuwania
        pojedynczych danych.
--------------------------------------------------------------------------------
Zaprogramuj własny notatnik z kontaktami do znajomych zawierający
ich numery telefonów, adresy email czy datę ostatniego wyświetlenia tego
kontaktu.
```

5.2 Lista 8 & 9 Namespace Reference

Namespaces

- db_sync
- db_tests
- gui
- gui_tests

Variables

- tuple app = Gui()

5.2.1 Variable Documentation

5.2.1.1 tuple app = Gui()

Definition at line 35 of file __init__.py.

5.3 Lista 8 & 9.db_sync Namespace Reference

Variables

- tuple WHERE_AM_I = abspath(dirname(__file__))

5.3.1 Variable Documentation

5.3.1.1 tuple WHERE_AM_I = abspath(dirname(__file__))

Definition at line 18 of file db_sync.py.

5.4 Lista 8 & 9.db_tests Namespace Reference

5.5 Lista 8 & 9.gui Namespace Reference

Functions

- def to_main_table (gtk_liststore, rows)

Variables

- tuple WHERE_AM_I = abspath(dirname(__file__))

5.5.1 Function Documentation

5.5.1.1 def Lista 8 & 9.gui.to_main_table (*gtk_liststore, rows*)

```
Change result list from database to a list for GTK liststore.
:param gtk_liststore: GTK liststore object
:param rows: list of tuples
    where every element of tuple is a cell in a row
```

Definition at line 10 of file gui.py.

5.5.2 Variable Documentation

5.5.2.1 tuple WHERE_AM_I = abspath(dirname(__file__))

Definition at line 7 of file gui.py.

5.6 Lista 8 & 9.gui_tests Namespace Reference

5.7 Lista 8 &9 Namespace Reference

Namespaces

- db_sync
- db_tests

- gui
- gui_tests

5.8 Lista 8 &9.db_sync Namespace Reference

Data Structures

- class Database

5.9 Lista 8 &9.db_tests Namespace Reference

Data Structures

- class TestDbOperations

5.10 Lista 8 &9.gui Namespace Reference

Data Structures

- class Gui

5.11 Lista 8 &9.gui_tests Namespace Reference

Data Structures

- class TestGui

Chapter 6

Data Structure Documentation

6.1 Database Class Reference

Public Member Functions

- def __init__ (self)
- def add_person
- def show_contacts (self)
- def search_in_db (self, name)
- def viewed_timestamp (self, contact_id)
- def fetch_person (self, contact_id)
- def drop_person (self, contact_id)
- def edit_person

Data Fields

- conn
- db

6.1.1 Detailed Description

```
Sqlite 3 database connection handler
```

Definition at line 21 of file db_sync.py.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 def __init__ (*self*)

Definition at line 25 of file db_sync.py.

6.1.3 Member Function Documentation

6.1.3.1 def add_person (*self*, *surname*, *name*, *phone* = None, *email* = None, *contact_id* = None)

```
Add person to table contacts.
surname, name - remained
phone, email, contact_id - are not
```

Definition at line 42 of file db_sync.py.

6.1.3.2 def drop_person (*self, contact_id*)

```
Deletes person from table.
:param contact_id
```

Definition at line 102 of file db_sync.py.

6.1.3.3 def edit_person (*self, contact_id, surname, name, phone* = None, *email* = None)

```
Updates data for a person.
conctact_id, surname, name - remained
phone, email - are not
```

Definition at line 110 of file db_sync.py.

6.1.3.4 def fetch_person (*self, contact_id*)

```
:param contact_id
:return: row with this ID
```

Definition at line 94 of file db_sync.py.

6.1.3.5 def search_in_db (*self, name*)

```
:param name: first name or surname
:return: list of matching rows
```

Definition at line 66 of file db_sync.py.

6.1.3.6 def show_contacts (*self*)

```
:return: list of rows in table contacts
```

Definition at line 60 of file db_sync.py.

6.1.3.7 def viewed_timestamp (*self, contact_id*)

```
Adds current date and time to last_viewed in contacts table.
Date format: '30-02-15 14:18'
:param contact_id
```

Definition at line 83 of file db_sync.py.

6.1.4 Field Documentation

6.1.4.1 conn

Definition at line 27 of file db_sync.py.

6.1.4.2 db

Definition at line 28 of file db_sync.py.

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

- db_sync.py

6.2 Gui Class Reference

Inheritance diagram for Gui:

Collaboration diagram for Gui:

Public Member Functions

- def __init__ (self)
- def search_changed (self, searchentry)
- def add_person (self, new_window)
- def edit_window (self, treeview, path, view_column)
- def delete_person (self, button)
- def submit (self, widget)
- def hide_widget (self, widget)
- def main_quit (self, widget)

Data Fields

- db
- builder
- glade_file
- window
- treeview
- liststore
- window2
- edit

6.2.1 Detailed Description

```
Contacts app - GTK
```

Definition at line 26 of file gui.py.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 def __init__ (*self*)

Definition at line 30 of file gui.py.

6.2.3 Member Function Documentation

6.2.3.1 def add_person (*self, new_window*)

```
Add button signal handler
```

Definition at line 59 of file gui.py.

6.2.3.2 def delete_person (*self, button*)

```
Delete button signal handler
```

Definition at line 89 of file gui.py.

6.2.3.3 def edit_window (*self, treeview, path, view_column*)

```
On click a row new window is displayed
```

Definition at line 70 of file gui.py.

6.2.3.4 def hide_widget (*self, widget*)

```
Close show/edit window signal handler
```

Definition at line 129 of file gui.py.

6.2.3.5 def main_quit (*self, widget*)

```
Close window signal handler
```

Definition at line 135 of file gui.py.

6.2.3.6 def search_changed (*self, searchentry*)

```
When text in search button will be changed.
 Executes query to database and then displays the result.
```

Definition at line 44 of file gui.py.

6.2.3.7 def submit (*self, widget*)

```
Save button signal handler
```

Definition at line 101 of file gui.py.

6.2.4 Field Documentation

6.2.4.1 builder

Definition at line 32 of file gui.py.

6.2.4.2 db

Definition at line 31 of file gui.py.

6.2.4.3 edit

Definition at line 63 of file gui.py.

6.2.4.4 glade_file

Definition at line 33 of file gui.py.

6.2.4.5 liststore

Definition at line 38 of file gui.py.

6.2.4.6 treeview

Definition at line 37 of file gui.py.

6.2.4.7 window

Definition at line 36 of file gui.py.

6.2.4.8 window2

Definition at line 39 of file gui.py.

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

- gui.py

6.3 TestDbOperations Class Reference

Inheritance diagram for TestDbOperations:

6.4 TestGui Class Reference

Inheritance diagram for TestGui:

Collaboration diagram for TestGui:

Public Member Functions

- def setUp (self)
- def test_person_addition (self)
- def test_searching (self)

Data Fields

- gui
- conn
- db
- first_name
- surname

6.4.1 Detailed Description

Definition at line 6 of file gui_tests.py.

6.4.2 Member Function Documentation

6.4.2.1 def setUp (*self*)

Definition at line 7 of file gui_tests.py.

6.4.2.2 def test_person_addition (*self*)

```
GTK test addition
```

Definition at line 16 of file gui_tests.py.

6.4.2.3 def test_searching (*self*)

```
GTK test searchbox
```

Definition at line 33 of file gui_tests.py.

6.4.3 Field Documentation

6.4.3.1 conn

Definition at line 9 of file gui_tests.py.

6.4.3.2 db

Definition at line 10 of file gui_tests.py.

6.4.3.3 first_name

Definition at line 13 of file gui_tests.py.

6.4.3.4 gui

Definition at line 8 of file gui_tests.py.

6.4.3.5 surname

Definition at line 14 of file gui_tests.py.

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

- gui_tests.py

Chapter 7

File Documentation

7.1 __init__.py File Reference

Namespaces

- Lista 8 & 9
- Lista
  8 & 9

Variables

- tuple app = Gui()

7.2 db_sync.py File Reference

Data Structures

- class Database

Namespaces

- Lista 8 & 9.db_sync

Variables

- tuple WHERE_AM_I = abspath(dirname(__file__))

7.3 db_tests.py File Reference

Data Structures

- class TestDbOperations

Namespaces

- Lista 8 & 9.db_tests

7.4 gui.py File Reference

Data Structures

- class Gui

Namespaces

- Lista 8 & 9.gui

Functions

- def to_main_table (gtk_liststore, rows)

Variables

- tuple WHERE_AM_I = abspath(dirname(__file__))

7.5 gui_tests.py File Reference

Data Structures

- class TestGui

Namespaces

- Lista 8 & 9.gui_tests

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