

My Project

Generated by Doxygen 1.8.14

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

Briefkasten	9
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Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

object	
Briefkasten.Arduino	11
Briefkasten.BriefkastenWindow	13
Briefkasten.CloseButton	16
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Chapter 3

Class Index

3.1 Class List

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

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Briefkasten.BriefkastenWindow	13
Briefkasten.CloseButton	16
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Briefkasten.OpenButton	21

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

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Chapter 5

Namespace Documentation

5.1 Briefkasten Namespace Reference

Classes

- class [Arduino](#)
- class [BriefkastenWindow](#)
- class [CloseButton](#)
- class [OpenButton](#)

Variables

- [window](#) = [BriefkastenWindow\(\)](#)

5.1.1 Variable Documentation

5.1.1.1 window

```
Briefkasten.window = BriefkastenWindow\(\)
```

Definition at line 157 of file Briefkasten.py.

Chapter 6

Class Documentation

6.1 Briefkasten.Arduino Class Reference

Inheritance diagram for Briefkasten.Arduino:

Collaboration diagram for Briefkasten.Arduino:

Public Member Functions

- def `__init__` (self, `window`, host, port, `on_received`)
- def `send_command` (self, command)
- def `close` (self)

Public Attributes

- `window`
- `on_received`
- `socket`
- `rd_buff`
- `after_event`

6.1.1 Detailed Description

Definition at line 6 of file Briefkasten.py.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 `__init__()`

```
def Briefkasten.Arduino.__init__ (
    self,
    window,
    host,
    port,
    on_received )
```

Definition at line 7 of file Briefkasten.py.

6.1.3 Member Function Documentation

6.1.3.1 `close()`

```
def Briefkasten.Arduino.close (
    self )
```

Abbruch der Verbindung

Definition at line 26 of file Briefkasten.py.

6.1.3.2 `send_command()`

```
def Briefkasten.Arduino.send_command (
    self,
    command )
```

Signal für Arduino

Definition at line 21 of file Briefkasten.py.

6.1.4 Member Data Documentation

6.1.4.1 `after_event`

```
Briefkasten.Arduino.after_event
```

Definition at line 52 of file Briefkasten.py.

6.1.4.2 on_received

`Briefkasten.Arduino.on_received`

Definition at line 10 of file `Briefkasten.py`.

6.1.4.3 rd_buff

`Briefkasten.Arduino.rd_buff`

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

6.1.4.4 socket

`Briefkasten.Arduino.socket`

Definition at line 13 of file `Briefkasten.py`.

6.1.4.5 window

`Briefkasten.Arduino.window`

Definition at line 9 of file `Briefkasten.py`.

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

- `C:/Users/Vaneck/Desktop/Tufan P/Code/Gui Programm/Briefkasten.py`

6.2 Briefkasten.BriefkastenWindow Class Reference

Inheritance diagram for `Briefkasten.BriefkastenWindow`:

Collaboration diagram for `Briefkasten.BriefkastenWindow`:

Public Member Functions

- def `__init__` (self)
- def `on_received` (self, line)
- def `setup_window` (self)
- def `on_close` (self)
- def `setup_content` (self)
- def `run` (self)

Public Attributes

- [arduino](#)
- [window](#)
- [btn_label_var](#)
- [btn_label](#)
- [btn](#)

6.2.1 Detailed Description

Definition at line 109 of file Briefkasten.py.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 `__init__()`

```
def Briefkasten.BriefkastenWindow.__init__ (  
    self )
```

Definition at line 110 of file Briefkasten.py.

6.2.3 Member Function Documentation

6.2.3.1 `on_close()`

```
def Briefkasten.BriefkastenWindow.on_close (  
    self )
```

Definition at line 132 of file Briefkasten.py.

6.2.3.2 `on_received()`

```
def Briefkasten.BriefkastenWindow.on_received (  
    self,  
    line )
```

Definition at line 124 of file Briefkasten.py.

6.2.3.3 run()

```
def Briefkasten.BriefkastenWindow.run (
    self )
```

die mainloop wird ausgeführt um das Fenster für den Briefkasten zu starten

Definition at line 150 of file Briefkasten.py.

6.2.3.4 setup_content()

```
def Briefkasten.BriefkastenWindow.setup_content (
    self )
```

Definition at line 136 of file Briefkasten.py.

6.2.3.5 setup_window()

```
def Briefkasten.BriefkastenWindow.setup_window (
    self )
```

Definition at line 126 of file Briefkasten.py.

6.2.4 Member Data Documentation

6.2.4.1 arduino

```
Briefkasten.BriefkastenWindow.arduino
```

Definition at line 116 of file Briefkasten.py.

6.2.4.2 btn

```
Briefkasten.BriefkastenWindow.btn
```

Definition at line 147 of file Briefkasten.py.

6.2.4.3 btn_label

`Briefkasten.BriefkastenWindow.btn_label`

Definition at line 140 of file `Briefkasten.py`.

6.2.4.4 btn_label_var

`Briefkasten.BriefkastenWindow.btn_label_var`

Definition at line 137 of file `Briefkasten.py`.

6.2.4.5 window

`Briefkasten.BriefkastenWindow.window`

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

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

- `C:/Users/Vaneck/Desktop/Tufan P/Code/Gui Programm/Briefkasten.py`

6.3 Briefkasten.CloseButton Class Reference

Inheritance diagram for `Briefkasten.CloseButton`:

Collaboration diagram for `Briefkasten.CloseButton`:

Public Member Functions

- `def __init__(self, window, arduino)`
- `def set_state(self, state)`
- `def on_pressed(self)`

Public Attributes

- `button`
- `arduino`
- `state`

6.3.1 Detailed Description

Definition at line 82 of file `Briefkasten.py`.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 __init__()

```
def Briefkasten.CloseButton.__init__ (
    self,
    window,
    arduino )
```

Hier wird ein Button mit dem Text Close erstellt mit der Farbe rot

Definition at line 84 of file Briefkasten.py.

6.3.3 Member Function Documentation

6.3.3.1 on_pressed()

```
def Briefkasten.CloseButton.on_pressed (
    self )
```

Definition at line 106 of file Briefkasten.py.

6.3.3.2 set_state()

```
def Briefkasten.CloseButton.set_state (
    self,
    state )
```

Definition at line 97 of file Briefkasten.py.

6.3.4 Member Data Documentation

6.3.4.1 arduino

```
Briefkasten.CloseButton.arduino
```

Definition at line 93 of file Briefkasten.py.

6.3.4.2 button

`Briefkasten.CloseButton.button`

Definition at line 85 of file `Briefkasten.py`.

6.3.4.3 state

`Briefkasten.CloseButton.state`

Definition at line 100 of file `Briefkasten.py`.

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

- `C:/Users/Vaneck/Desktop/Tufan P/Code/Gui Programm/Briefkasten.py`

6.4 EspServer Class Reference

```
#include <DumbServer.h>
```

Inheritance diagram for `EspServer`:

Collaboration diagram for `EspServer`:

Public Member Functions

- `EspServer` (void)
- void `begin` (Stream *esp_serial, const char *ssid, const char *pass, uint16_t port)
- void `my_ip` (char *buf, size_t buflen)
- bool `connected` ()
- virtual int `available` ()
- virtual int `peek` ()
- virtual int `read` ()
- virtual void `flush` ()
- virtual size_t `write` (const uint8_t *buffer, size_t size)
- size_t `write` (uint8_t n)
- size_t `write` (unsigned long n)
- size_t `write` (long n)
- size_t `write` (unsigned int n)
- size_t `write` (int n)

6.4.1 Detailed Description

Definition at line 6 of file `DumbServer.h`.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 EspServer()

```
EspServer::EspServer (
    void )
```

Definition at line 30 of file DumbServer.cpp.

6.4.3 Member Function Documentation

6.4.3.1 available()

```
int EspServer::available ( ) [virtual]
```

Definition at line 141 of file DumbServer.cpp.

6.4.3.2 begin()

```
void EspServer::begin (
    Stream * esp_serial,
    const char * ssid,
    const char * pass,
    uint16_t port )
```

Definition at line 37 of file DumbServer.cpp.

6.4.3.3 connected()

```
bool EspServer::connected ( )
```

Definition at line 130 of file DumbServer.cpp.

6.4.3.4 flush()

```
void EspServer::flush ( ) [virtual]
```

Definition at line 236 of file DumbServer.cpp.

6.4.3.5 my_ip()

```
void EspServer::my_ip (
    char * buf,
    size_t buflen )
```

Definition at line 119 of file DumbServer.cpp.

6.4.3.6 peek()

```
int EspServer::peek ( ) [virtual]
```

Definition at line 214 of file DumbServer.cpp.

6.4.3.7 read()

```
int EspServer::read ( ) [virtual]
```

Definition at line 224 of file DumbServer.cpp.

6.4.3.8 write() [1/6]

```
size_t EspServer::write (
    const uint8_t * buffer,
    size_t size ) [virtual]
```

Definition at line 241 of file DumbServer.cpp.

6.4.3.9 write() [2/6]

```
size_t EspServer::write (
    uint8_t n ) [inline]
```

Definition at line 33 of file DumbServer.h.

6.4.3.10 write() [3/6]

```
size_t EspServer::write (
    unsigned long n ) [inline]
```

Definition at line 34 of file DumbServer.h.

6.4.3.11 write() [4/6]

```
size_t EspServer::write (
    long n ) [inline]
```

Definition at line 35 of file DumbServer.h.

6.4.3.12 write() [5/6]

```
size_t EspServer::write (
    unsigned int n ) [inline]
```

Definition at line 36 of file DumbServer.h.

6.4.3.13 write() [6/6]

```
size_t EspServer::write (
    int n ) [inline]
```

Definition at line 37 of file DumbServer.h.

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

- C:/Users/Vaneck/Desktop/Tufan P/Code/Arduino Programm/[DumbServer.h](#)
- C:/Users/Vaneck/Desktop/Tufan P/Code/Arduino Programm/[DumbServer.cpp](#)

6.5 Briefkasten.OpenButton Class Reference

Inheritance diagram for Briefkasten.OpenButton:

Collaboration diagram for Briefkasten.OpenButton:

Public Member Functions

- def [__init__](#) (self, [window](#), [arduino](#))
- def [set_state](#) (self, [state](#))
- def [on_pressed](#) (self)

Public Attributes

- [button](#)
- [arduino](#)
- [state](#)

6.5.1 Detailed Description

Definition at line 56 of file Briefkasten.py.

6.5.2 Constructor & Destructor Documentation

6.5.2.1 `__init__()`

```
def Briefkasten.OpenButton.__init__ (
    self,
    window,
    arduino )
```

Hier wird ein Button mit dem Text Open erstellt mit der Farbe grün

Definition at line 58 of file Briefkasten.py.

6.5.3 Member Function Documentation

6.5.3.1 `on_pressed()`

```
def Briefkasten.OpenButton.on_pressed (
    self )
```

Definition at line 79 of file Briefkasten.py.

6.5.3.2 `set_state()`

```
def Briefkasten.OpenButton.set_state (
    self,
    state )
```

Definition at line 71 of file Briefkasten.py.

6.5.4 Member Data Documentation

6.5.4.1 arduino

`Briefkasten.OpenButton.arduino`

Definition at line 67 of file `Briefkasten.py`.

6.5.4.2 button

`Briefkasten.OpenButton.button`

Definition at line 59 of file `Briefkasten.py`.

6.5.4.3 state

`Briefkasten.OpenButton.state`

Definition at line 74 of file `Briefkasten.py`.

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

- `C:/Users/Vaneck/Desktop/Tufan P/Code/Gui Programm/Briefkasten.py`

Chapter 7

File Documentation

7.1 C:/Users/Vaneck/Desktop/Tufan P/Code/Arduino Programm/DumbServer.cpp File Reference

```
#include <Arduino.h>
#include <Stream.h>
#include "DumbServer.h"
Include dependency graph for DumbServer.cpp:
```

7.2 C:/Users/Vaneck/Desktop/Tufan P/Code/Arduino Programm/DumbServer.h File Reference

```
#include <Arduino.h>
#include <Stream.h>
Include dependency graph for DumbServer.h: This graph shows which files directly or indirectly include this file:
```

Classes

- class [EspServer](#)

7.3 C:/Users/Vaneck/Desktop/Tufan P/Code/Gui Programm/Briefkasten.py File Reference

Classes

- class [Briefkasten.Arduino](#)
- class [Briefkasten.OpenButton](#)
- class [Briefkasten.CloseButton](#)
- class [Briefkasten.BriefkastenWindow](#)

Namespaces

- [Briefkasten](#)

Variables

- [Briefkasten.window](#) = [BriefkastenWindow\(\)](#)

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