

SuperApe

<UsingLibrary>

```
include;
https://monkeysaudio.com/;
```

SuperCodec

<UsingLibrary>

```
include;
superapi::supermultimedia;
superapi::superape;
superapi::superflac;
superapi::supermp3;
```

SuperColorDialog

<UsingLibrary>

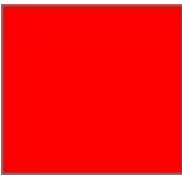
```
include;
superapi::superwindow;

public;
superapi::superwindow;
```

<SuperWidget>



clicked;
choose this color;



nousercontrol;
display current color;

userinput;
edit current color's red value;
display current color red value;

userinput;
edit current color's green value;
display current color green value;

userinput;
edit current color's blue value;
display current color blue value;

clicked;
change basic color;

nousercontrol;
display html color;



OK

Cancel

***SuperCore***

```
<UsingLibrary>
```

```
include; c/c++,qt library etc;
```

***SuperFftw***

```
<UsingLibrary>
```

```
include;
http://www.fftw.org/;
```

## *SuperFileDialog*

&lt;UsingLibrary&gt;

```
include;  
superapi::supernotedialog;  
superapi::superwindow;
```

```
public;
superapi::superwindow;
```

<SuperWidget>



```
clicked;  
cd to last directory;
```



```
clicked;
refresh current directory;
```



```
clicked;
lock current directory to quick access;
```

D:/repos/QtWidget 6/build-SuperTools-Desktop\_Qt\_6\_2\_2\_MinGW\_64\_bit-Release/release/\_htmllibrary\_

```
textActivated;
    if directory is vaild,refresh current folder;
    else show error dialog;
```

### Quick access

```
itemclicked;
    if directory is vaild,refresh current folder;
    else show error dialog;
```

```
itemrightclicked;  
    show quickaccessitemmenu;  
    include "Open folder", "Unpin folder";
```

Windows 10 (C:)

```
itemclicked;
    if drive is valid, refresh current folder;
    else show error dialog;
```





clicked;

Search:



2022/01/18 09:40:07

file

```
include "Open folder","No function","Open path","Delete folder"
```

filename:

```
sequenceDiagram
    participant User as userinput;
    participant Filter as filter:
    participant Nouser as nousercontrol;
    participant Open as Open
    participant Clicked as clicked;
    participant Cancel as Cancel

    User->>Filter: getfilename && getfilemode && savefoldermode;  
disabled;  
savefilemode;  
if have text,enable save button;  
else disable save button;
    Filter->>Nouser: *.png
    Nouser->>Open: getfilename && getfilelistmode && savefoldermode;  
disabled,display current file dialog's name filter;  
savefilemode;  
enable,display current file dialog's name filter;
    Open->>Clicked: Open
    Clicked->>Cancel: clicked;  
  
getfilename && getfilelistmode;  
if item files and are valid,choose current files and return QStringList files absolutely path;  
else if item are folder, open first folder;  
  
savefilemode;  
change text as "Save";  
if item files and is valid,replace current file,and show dialog for ok;  
else if item is folder, open this;  
  
savefoldermode;  
change text as "Current Folder";  
if item file and is valid,return current file's absolutely path;  
else if item is folder, return current folder's absolutely path;  
clicked;
```

# SuperFileManager

## &lt;UsingLibrary&gt;

```
include;
    superapi::supercore;
    superapi::superfiledialog;
    superapi::supernotedialog;
```

<SuperWidget>

```

sequenceDiagram
    participant User
    participant System as Super File Manager Module

    User->>System: nousercontrol;
    System->>System: display current file type as title;

    User->>System: clicked;
    System->>System: determined last file that opened;

    User->>System: clicked;
    System->>System: check all files are valid or not;

    User->>System: here input for search files...
    System->>System: textchanged;
    System->>System: if current text is not empty, search current text at treewidget;
    System->>System: else show all items;

    System->>System: Name Path
    System->>System: headerrightclick;
    System->>System: show table menu;
    System->>System: include import super files, delete all files;

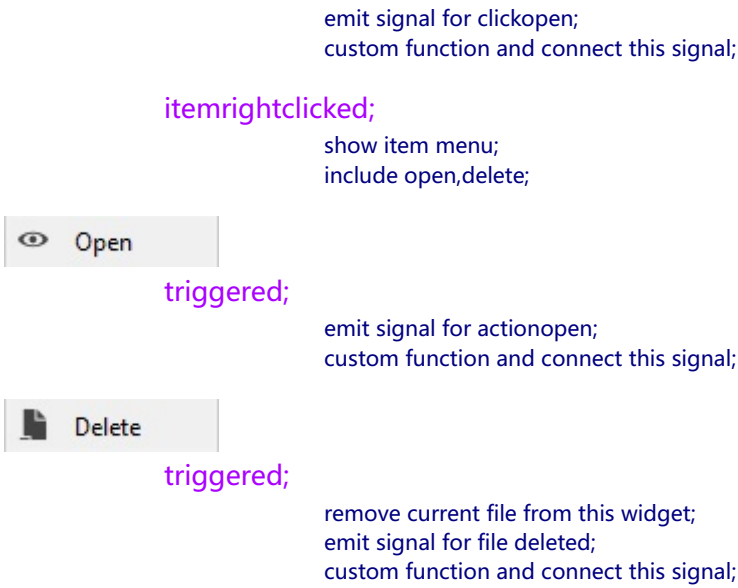
    User->>System: Import Super Files
    System->>System: triggered;
    System->>System: open super file dialog and select file or files;
    System->>System: if files exist, skip this;
    System->>System: else add files to treewidget;

    User->>System: Delete All Files
    System->>System: triggered;
    System->>System: show super not dialog for make sure;
    System->>System: if ok, clear all files;
    System->>System: else close dialog and do nothing;

    User->>System: _hitbricks_super
    System->>System: itemdoubleclicked;
  
```

The diagram illustrates the user interactions and system responses for the Super File Manager Module. The sequence of events is as follows:

- User Action:** `nousercontrol;`
- System Response:** `display current file type as title;`
- User Action:** `clicked;`
- System Response:** `determined last file that opened;`
- User Action:** `clicked;`
- System Response:** `check all files are valid or not;`
- User Action:** `here input for search files...`
- System Response:** `textchanged;`
- System Logic:** `if current text is not empty, search current text at treewidget; else show all items;`
- System Action:** `Name Path`
- System Action:** `headerrightclick;`
- System Logic:** `show table menu; include import super files, delete all files;`
- User Action:** `Import Super Files`
- System Response:** `triggered;`
- System Logic:** `open super file dialog and select file or files; if files exist, skip this; else add files to treewidget;`
- User Action:** `Delete All Files`
- System Response:** `triggered;`
- System Logic:** `show super not dialog for make sure; if ok, clear all files; else close dialog and do nothing;`
- User Action:** `_hitbricks_super`
- System Response:** `itemdoubleclicked;`



**SuperGroupBox**

<UsingLibrary>

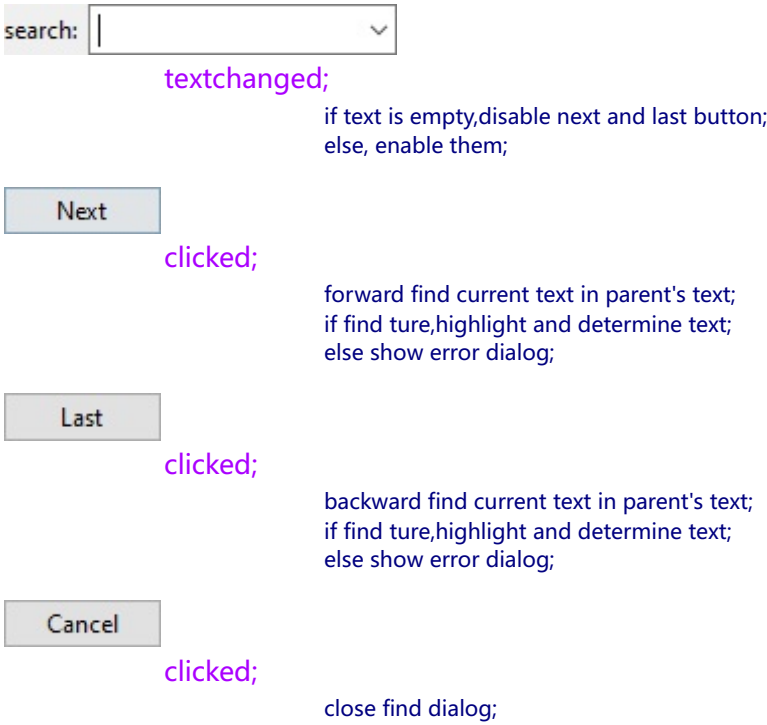
```
include;  
qt groupbox assembly;
```

**SuperFindDialog**

<UsingLibrary>

```
include;  
superapi::superwindow;  
superapi::supernotedialog;  
  
public;  
superapi::superwindow;
```

<SuperWidget>



**SuperFlac**

<UsingLibrary>

```
include;  
https://github.com/xiph/flac;
```

**SuperFontDialog**

<UsingLibrary>

```
include;
```

superapi::superwindow;

public;

superapi::superwindow;

<SuperWidget>

here for search font...

textchanged;

if text is empty,display all font families;  
else, display contain text's families;

Microsoft YaHei

itemdoubleclicked;

return current font families;

itempressed;

preview font families;

SuperTools

nousercontrol;

display families style;

SuperHook

<UsingLibrary>

include;

mircosoft windows api;

SuperLogger

<UsingLibrary>

include;

superapi::supercore;

<SuperWidget>

Clear Browser

triggered;

clear textbrowser;

here will display wasapibox programe run logs!!!

nousercontrol;

display programe run logs;

SuperMp3

<UsingLibrary>

include;

http://www.mpg123.de/;

SuperMultiMedia

<UsingLibrary>

include;

superapi::supercore;

qt multimedia assembly;

SuperNetwork

<UsingLibrary>

include;

qt network assembly;

SuperNoteDialog

<UsingLibrary>

```
include;
    superapi::superwindow;

public;
    superapi::superwindow;
```

<SuperWidget>

```
Save Success!!
    nousercontrol;
        display message;

Cancel
    clicked;
        close super notedialog;

OK
    clicked;
        close super notedialog and emit signal;
```

**SuperPlot**

<UsingLibrary>

```
include;
    https://www.qcustomplot.com/index.php;
```


**SuperProgressBarDialog**

<UsingLibrary>

```
include;
    superapi::superwindow;

public;
    superapi::superwindow;
```

<SuperWidget>

```

    nousercontrol;
        display current progress;

wait message...
    nousercontrol;
        display current message;

Stop
    triggered;
        emit stop signal;
        custom function and connect this signal;
```

**SuperSender**

<UsingLibrary>

```
include;
    superapi::supernotedialog;
```

<SuperWidget>

```
Input line 00
    nousercontrol;
        display current super sender index;

help
    textchanged;
        if text is empty,disable send button;
        else if text contain <split> ,show error dialog and clear text;
```

Send

Is Cyc: ☐

1000

else ,enable send button;

clicked;

emit signal include lineedit's text;  
custom function and connect this signal;

statechanged;

change send mode,cycle or not;

userinput;

change cycle interval,unit(ms);

SuperSerial

<UsingLibrary>

include;

superapi::supercore;  
qt serialport assembly;

SuperTab

<UsingLibrary>

include;

qt widget assembly;

SuperTabWidget

<UsingLibrary>

include;

qt tabwidget assembly;

SuperWindow

<UsingLibrary>

include;

superapi::supercore;

public;

qt qwidget;

<SuperWidget>

SuperTools 6.20220128.018

nousercontrol;

display super window's title;

-

clicked;

set super windows minisize;

^

clicked;

set super windows maxisize;

<

clicked;

set super windows normal;

X

clicked;

close super windows;



clicked;

if Icon mode enabled,exec themes menu;  
include original,color,heartofiron,goertek;





triggered;

change background title as original;  
change background color as (16,81,142) ;  
change font color as (255,255,255);



triggered;

open color dialog;  
change background title as color;  
change background color as selected ;  
change font color as concolor;



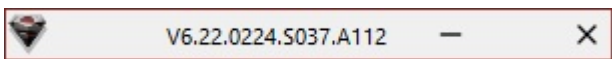
triggered;

change background title as heartofiron;  
change background color as (121,35,32) ;  
change font color as (255,255,255);



triggered;

change background title as goertek;  
change background color as (69,86,17) ;  
change font color as (255,255,255);



doubleclicked;

if enable maximum mode,change size as normal or maxisize;

mousemove;

if mouse pressed,move super window;



mouseonborder;

if enable resize mode;  
A cursor used for elements that are used to vertically resize top-level windows.



mouseonborder;

if enable resize mode;  
A cursor used for elements that are used to horizontally resize top-level windows.



mouseonborder;

if enable resize mode;  
A cursor used for elements that are used to diagonally resize top-level windows at their top-left and bottom-right corners

## Version Logs

### <20220605 Version 1.33>

superwindow add plugin widget interface;

### <20220603 Version 1.32>

deploy kubuntu envir for supertools;

### <20220601 Version 1.31>

fix superfilemanager bugs;  
add public function for ui;

### <20220531 Version 1.30>

fix supermultimedia api read data from file bugs;  
add c interface .so files;

### <20220524 Version 1.29>

fix fsmpeg decode bugs;  
using qt open file before using c fclose file;

### <20220523 Version 1.28>

update code naming;

### <20220428 Version 1.27>

superchart api add clear function;

#### <20220423 Version 1.26>

superchart api add mouse select point function;  
update superfinddialog api;

#### <20220418 Version 1.25>

superchart api add auto rescale axis function;  
superchart api add drag function etc;

#### <20220408 Version 1.24>

replace superplot api with superchart api;

#### <20220405 Version 1.23>

fix superfilemanager tablewidget right click bugs;  
remove customContextMenuRequested signal for tabwidget;

#### <20220404 Version 1.22>

optization qfile permissions for read or write;  
optization openpath function;  
fix mouse clicked bugs for superfilemanager api;

#### <20220319 Version 1.21>

update supercore api;  
optization linespace,arrage function;  
fix superwindow api bugs;  
fix disable close button function bugs,add disable button function;

#### <20220316 Version 1.20>

update superfinddialog api;  
connect find next text function with combobox activate signal;

#### <20220313 Version 1.19>

update superhook api;  
add win32 user.lib;

#### <20220309 Version 1.18>

update superfilemanager api;  
import file add determined function;

#### <20220306 Version 1.17>

update superfiledialog api;  
use superfilesystemmodel public qfilesystemmodel;  
expand default path at init;

#### <20220304 Version 1.16>

remove supervisa api;  
remove superwidgettimer api;

#### <20220301 Version 1.15>

update supertab api;  
replace creat cache file at super.dll as at supertab api;  
add cache function,include creat file,creat folder;

#### <20220228 Version 1.14>

update superwindow api;  
add title icon mouse enter and leave function;

#### <20220225 Version 1.13>

update superwindow api;  
add signal after show function;

#### <20220222 Version 1.12>

update supercore api;  
optization code;

#### <20220215 Version 1.11>

update superwindow api;  
update change window status function;

#### <20220215 Version 1.10>

update superfilemanager api;  
add search text parse id item column;

update superfiledialog api;  
replace scroll mode item as pixel;

#### <20220214 Version 1.09>

update superfilemanager api;  
remove timer for emit logs,add reset index function when delete files;

#### <20220212 Version 1.08>

update superlogger api;  
add transfercodec function,add openfilepath function;  
update superfilemanager api;  
add open file path function,add check file vaild function,add id for files;

#### <20220211 Version 1.07>

update supercore api;  
update supercore::runcommand function;  
update superfiledialog api;  
fix superfiledialog get filename or foldername function bugs;  
update superwindow::addmenu function;  
add addseparator parameter;

#### <20220209 Version 1.06>

update supertab api;  
add readme function;  
update superlogger api;  
add clear textbrowser function,displaylog function;  
update supercore api;  
remove textbrowser function,displaylog function;

#### <20220209 Version 1.05>

update supermultimedia api;  
replace write data at run function with emit signal at main thread;

#### <20220207 Version 1.04>

add supertab api;  
add supertabwidget api;  
add supergroupbox api;

#### <20220205 Version 1.03>

supermultimedia playwav class add channel parameter;

#### <20220130 Version 1.02>

supermultimedia playwav class add timer for determine filepos;

#### <20220129 Version 1.01>

first version released;  
update super window's icon when at deactivate status;

#### <20220128 Version 1.00>

first version released;