

SuperApe

<UsingLibrary>

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

SuperCodec

<UsingLibrary>

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

SuperColorDialog

<UsingLibrary>

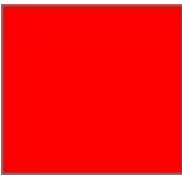
```
include;
superapi::superwindow;

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

<UsingLibrary>

```
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;
```



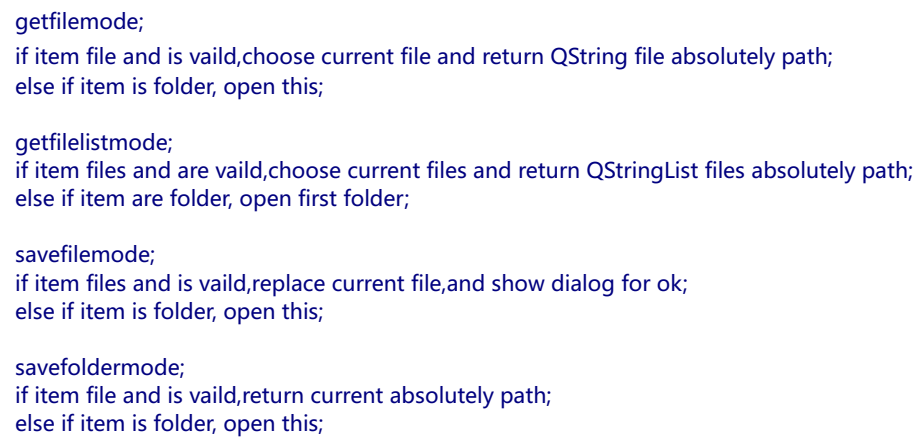
```

        clicked;
        add folder at current folder;
    }
}

```



```
find and highlight file or folder at current folder;  
enable or disable ok* button;
```



```
getfilemode && getfilelistmode;
if item file and is vaild,show itemmenu;
include "Select file","Open file","Open path","Delete file";
else if item is folder,show foldermenu;
include "Open folder","No function","Open path","Delete folder"

savefilemode;
if item file and is vaild,show itemmenu;
include "Replace file","Open file","Open path","Delete file";
else if item is folder,show foldermenu;
include "Open folder","No function","Open path","Delete folder"

savefoldermode;
if item file and is vaild,show itemmenu;
include "Select path","Open file","Open path","Delete file";
else if item is folder,show foldermenu;
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;
```

SuperFileManager

<UsingLibrary>

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

<SuperWidget>

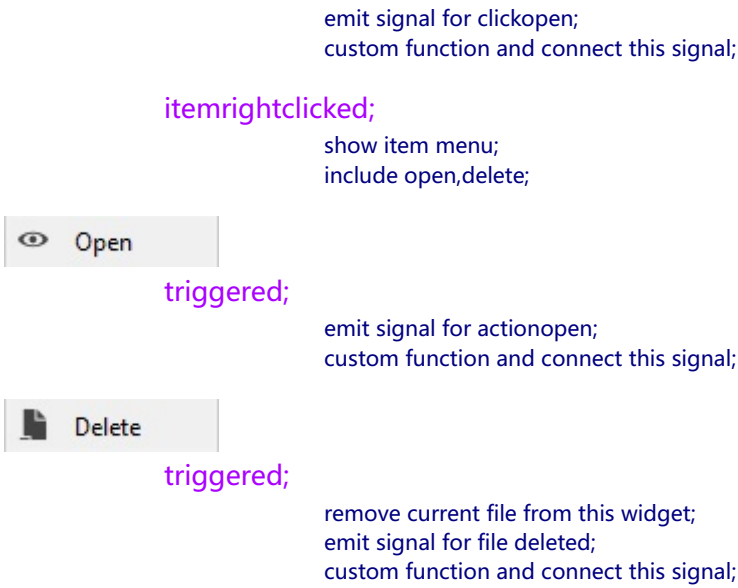
```

classDiagram
    class SuperFileManagerModule {
        clicked()
        clicked()
        clicked()
        textchanged()
        Name
        Path
        triggered()
        triggered()
        itemdoubleclicked()
    }
    class SuperFileManagerWidget {
        clicked()
        triggered()
        triggered()
        triggered()
        triggered()
        triggered()
    }
    SuperFileManagerModule --> SuperFileManagerWidget : clicked;
    SuperFileManagerWidget --> SuperFileManagerModule : clicked;
    SuperFileManagerModule --> SuperFileManagerWidget : clicked;
    SuperFileManagerWidget --> SuperFileManagerModule : textchanged;
    SuperFileManagerModule --> SuperFileManagerWidget : Name
    SuperFileManagerModule --> SuperFileManagerWidget : Path
    SuperFileManagerWidget --> SuperFileManagerModule : triggered;
    SuperFileManagerModule --> SuperFileManagerWidget : triggered;
    SuperFileManagerWidget --> SuperFileManagerModule : itemdoubleclicked;
  
```

The diagram illustrates the interaction between a **Super File Manager Module** and a **Super File Manager** widget. The module and widget are connected via a series of signals and slots, as well as properties and events.

- Module to Widget:**
 - `clicked;` (purple) → `display current file type as title;` (grey)
 - `clicked;` (purple) → `determined last file that opened;` (grey)
 - `clicked;` (purple) → `check all files are valid or not;` (grey)
 - `textchanged;` (purple) → `if current text is not empty, search current text at treewidget; else show all items;` (grey)
 - `Name` (yellow) and `Path` (yellow) → `headerrightclick;` (purple) → `show table menu;` (grey) and `include import super files, delete all files;` (grey)
 - `triggered;` (purple) → `open super file dialog and select file or files; if files exist, skip this; else add files to treewidget;` (grey)
 - `triggered;` (purple) → `show super notedialog for make sure; if ok, clear all files; else close dialog and do nothing;` (grey)
 - `itemdoubleclicked;` (purple) → `show super notedialog for make sure; if ok, clear all files; else close dialog and do nothing;` (grey)
- Widget to Module:**
 - `clicked;` (purple) → `determined last file that opened;` (grey)
 - `triggered;` (purple) → `open super file dialog and select file or files; if files exist, skip this; else add files to treewidget;` (grey)
 - `triggered;` (purple) → `show super notedialog for make sure; if ok, clear all files; else close dialog and do nothing;` (grey)

The diagram also shows the visual representation of the widget's interface, including a search bar, a table with columns **Name** and **Path**, and two buttons: **Import Super Files** and **Delete All Files**.



SuperGroupBox

<UsingLibrary>

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

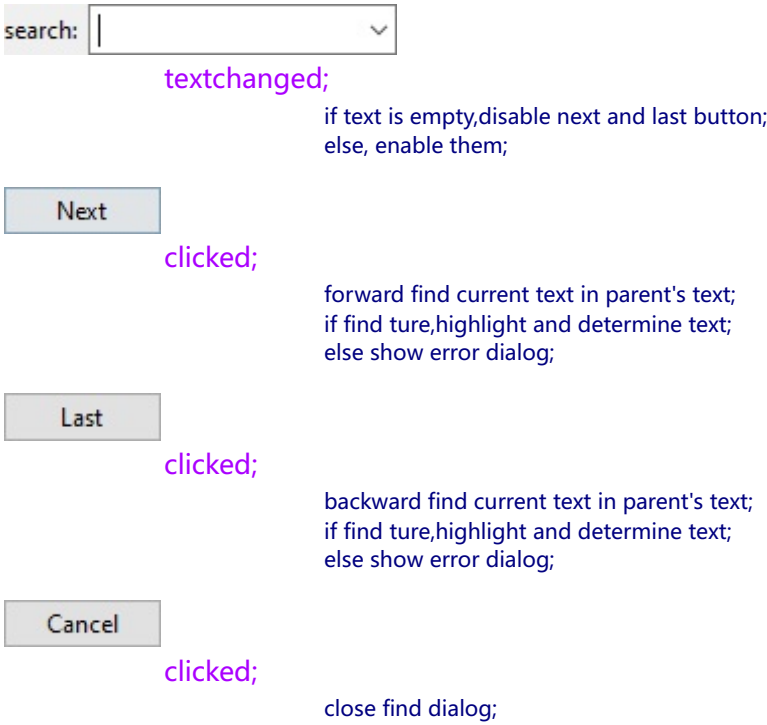
SuperFindDialog

<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);



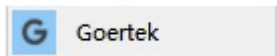
triggered;

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

<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;