

SuperApe

<UsingLibrary>

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

SuperCodec

<UsingLibrary>

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

SuperColorDialog

<UsingLibrary>

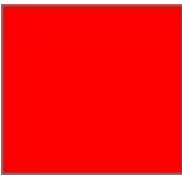
```
include;
superapi::superwindow;

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;
```



clicked;

mouse clicked and choose pixel color;

sliderReleased;

set basic color's proportion;

OK

clicked;

choose current color;

Cancel

clicked;

close super color dialog;

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 vaild,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;
    Clicked->>Cancel: 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;
```

The diagram illustrates the sequence of events in a file dialog. It starts with a **userinput;** component sending a message to a **filter:** component. The message contains file-related operations and conditional logic for enabling or disabling the save button. The **filter:** component then sends a message to a **nousercontrol;** component, specifying the file filter as ***.png**. The **nousercontrol;** component sends a message to the **Open** button, which then triggers the **clicked;** event. This event is handled by the **Cancel** component, which performs a series of actions: it gets the filename and list mode, checks if the selected item is a file or folder, updates the save button text to "Save" or "Current Folder", and returns the appropriate absolute path. The diagram uses standard UML notation with lifelines and messages to show the flow of control and data between these components.

SuperFileManager

<UsingLibrary>

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

<SuperWidget>

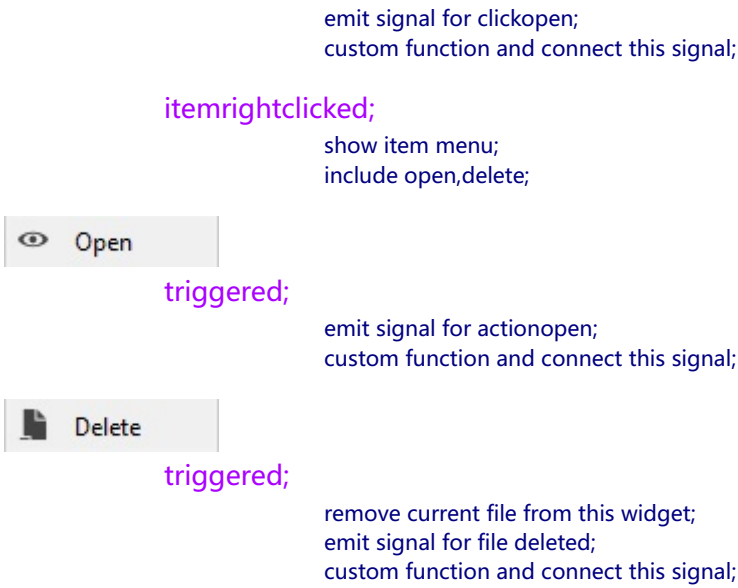
```

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)
 - `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)
- 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)
 - `itemdoubleclicked;` (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**. The **Import Super Files** button is highlighted with a red border, and the **Delete All Files** button is highlighted with a red border. The **Import Super Files** button is also highlighted with a red border. The **Delete All Files** button is also highlighted with a red border.



SuperGroupBox

<UsingLibrary>

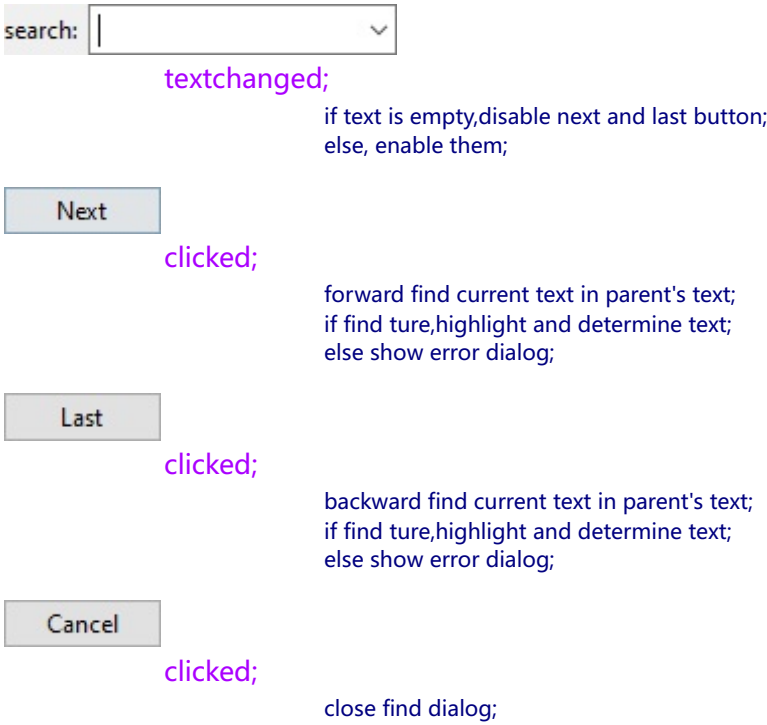
```
include;  
qt groupbox assembly;
```

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;



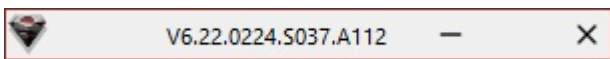
triggered;

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

<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;