Package 'SRTtools'

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Type Package

Title Adjust Srt File to Get Better Experience when Watching Movie

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Description

Srt file is a common subtitle format for videos, it contains subtitle and when the subtitle showed. This package is for align time of srt file, and also change color, style and position of subtitle in videos,

the srt file will be read as a vector into R, and can be write into srt file after modified using this package.

License GPL (>= 2)

Imports magrittr (>= 1.5)

RoxygenNote 6.1.1

Encoding UTF-8

Depends R (>= 2.10)

URL https://github.com/ChiHangChen/SRTtools

BugReports https://github.com/ChiHangChen/SRTtools/issues

NeedsCompilation no

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Repository CRAN

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srt.content   *Retrieve Subtitle Text*

Description

Retrieve all the subtitle text content from a srt file

Usage

```
srt.content(srt)
```

Arguments

srt   vector. The srt file read by `srt.read`.

See Also

`srt.read`

Examples

```
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')

srt.content(srt)
```

---

srt.insert   *Insert new dialog*

Description

Insert new dialog to subtitles by specific index

Usage

```
srt.insert(srt, index, time, text)
```

Arguments

srt	vector. The srt file read by srt.read.
index	integer. The index of new dialog.
time	character. The time of new dialog, a proper format is "hr:min:sec,msec –> hr:min:sec,msec"
text	character. The content of new dialog.

See Also

srt.read

Examples

```
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')
srt.insert(srt, index = 1, time = "00:00:00,000 --> 00:00:30,000", text = "Added by SRTtools")
```

---

srt.read	*Read srt file*

Description

Read a srt file as a vector, if there is any encoding issue, try to save your srt fle as ANSI encoding using Windows Notepad.

Usage

```
srt.read(file, encoding = "utf-8")
```

Arguments

file	character. The name of the file which the subtitles are to be read from.
encoding	character. Encoding to be assumed for input strings, deafult is 'utf-8'.

See Also

readLines

Examples

```
# read a ANSI srt file
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')
```

---

srt.remove   *Remove dialog*

Description

Remove unwanted dialog from subtitles by specific index

Usage

```
srt.remove(srt, index)
```

Arguments

srt   vector. The srt file read by srt.read.

index   integer. The index of unwanted dialog .

See Also

srt.read

Examples

```
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')
srt.remove(srt, index = 10)
```

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srt.search   *Search Index By KeyWord*

Description

Return the subtitle index by specific keyword

Usage

```
srt.search(srt, key_word)
```

Arguments

srt   vector. The srt file read by srt.read.

key_word   character. The key word want to be searched in subtitles.

See Also

srt.read

Examples

```
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')
srt.search(srt, key_word = "captain")
```

---

srt.shift   *Re-synchronize Srt File*

Description

Shift a srt file with specific time.

Usage

```
srt.shift(srt, time_shifted)
```

Arguments

srt   vector. The srt file read by srt.read.

time_shifted   numeric. The time that srt file want to be shifted (in seconds).

See Also

srt.read

Examples

```
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')

# Postpone subtitles 3 seconds later
srt <- srt.shift(srt, time_shifted = 3)

# Expedite subtitles 5 seconds earlier
srt <- srt.shift(srt, time_shifted = -5)
```

---

srt.style   *Change Style of Subtitle*

Description

Change subtitle style or posistion by specific subtitle index.

Usage

```
srt.style(srt, line = "all", pos = "None", style = "None",
  col = "None")
```

Arguments

srt	vector. The srt file read by `srt.read`.
line	numerical vector. Style will only change the subtitles of the selected subtitle index, default is 'all', means the whole subtitles will apply the style.
pos	character. The subtitles position, the valid options are 'bottom-left', 'bottom-center', 'bottom-right', 'middle-left', 'middle-center', 'middle-right', 'top-left', 'top-center', 'top-right' and 'center'.
style	character vector. The styles that subtitle applied, 'u' for bottom line, 'i' for italic, 'b' for bold, 's' for strikethrough.
col	character. The color that subtitle applied.

See Also

`srt.read`

Examples

```
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')
srt.style(srt, line = c(1,3,5), pos = 'top-left', style = c('b','i'), col = 'red')
```

---

srt.write   *Srt Output*

Description

Write the srt file to the system.

Usage

```
srt.write(srt, filename)
```

Arguments

`srt`	vector. The srt file read by [`srt.read`].
`filename`	Either a character string naming a file or a connection open for writing.

See Also

[`srt.read`]

Examples

```
srt_path <- system.file("extdata", "movie.srt", package="SRTtools")
srt <- srt.read(srt_path, encoding = 'utf-8')

# Postpone subtitles 3 seconds later
srt <- srt.shift(srt, time_shifted = 3)

# Save and cover original "movie.srt" file
srt.write(srt, filename =  file.path(tempdir(), "movie.srt"))
```

SRTtools   *Adjust srt file to get better experience in watching movie.*

Description

Srt file is a common subtitle format for videos, it contains subtitle and when the subtitle showed. This package is for ealign time of srt file, and also change color, style and position of subtitle in videos, the srt file will be read as a vector into R, and can be write into srt file after modified using this package.

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