

Package: minixcali (via r-universe)

August 29, 2024

Type Package

Title Excalidraw Document Builder

Version 0.0.1

Description Build Excalidraw documents with R.

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URL <https://github.com/baptiste/minixcali>,

<https://baptiste.github.io/minixcali/>

BugReports <https://github.com/baptiste/minixcali/issues>

Imports digest, jsonlite, R6, rlang, tools

Suggests dplyr, flametree, ggplot2, gridExtra, gridfont (>= 0.1.0),
htmltools, isoband, knitr, magrittr, purrr, rmarkdown, scales,
svgchop (>= 0.2.0), tibble, tidyr, xml2

VignetteBuilder knitr

Remotes brodieG/svgchop, coolbutuseless/gridfont

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Depends R (>= 3.5.0)

Repository <https://baptiste.r-universe.dev>

RemoteUrl <https://github.com/baptiste/minixcali>

RemoteRef HEAD

RemoteSha 9ffd0963f7aef9ea29eb9e0ed0e0c4a458b9e633

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Excali_doc	<i>Excali_doc</i>
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Description

Create a new ExcaliDocument

Usage

```
Excali_doc()
```

Value

An ExcaliDocument class object.

xkd_arrow	<i>xkd_arrow</i>
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Description

xkd_arrow

Usage

```
xkd_arrow(
  x = 0,
  y = 0,
  width = 100,
  height = 100,
  angle = 0L,
  strokeColor = "#000000",
  backgroundColor = "#868e96",
  fillStyle = c("solid", "hachure", "cross-hatch"),
```

```

strokeWidth = 1L,
strokeStyle = c("solid", "dashed", "dotted"),
roughness = 0L,
opacity = 100L,
groupIds = list(),
strokeSharpness = c("round", "sharp"),
isDeleted = FALSE,
boundElementIds = NA,
points = list(list(0L, 0L), list(100, 0L)),
lastCommittedPoint = NA,
startBinding = NA,
endBinding = NA,
startArrowhead = NA,
endArrowhead = NA,
version = 1,
versionNonce = 12345
)

```

Arguments

x	x position of glyph in px
y	y position of glyph in px
width	glyph width in px
height	glyph height in px
angle	in radians
strokeColor	HTML colour code
backgroundColor	HTML colour code
fillStyle	"solid" or "hachure" or "cross-hatch"
strokeWidth	1 or 2 or 4
strokeStyle	"solid" or "dashed" or "dotted"
roughness	degree of wiggleness, 0 or 1 or 2
opacity	0 to 100
groupIds	list of strings indicating groupings
strokeSharpness	"sharp" or "round"
isDeleted	tag for collaboration
boundElementIds	list of IDs used for connectors
points	of glyph
lastCommittedPoint	of glyph
startBinding	of glyph
endBinding	of glyph

startArrowhead NA or "arrow"
 endArrowhead NA or "arrow"
 version of glyph for collaboration
 versionNonce of glyph for collaboration

xkd_draw	<i>xkd_draw</i>
----------	-----------------

Description

xkd_draw

Usage

```

xkd_draw(
  x = 0,
  y = 0,
  width = 100,
  height = 100,
  angle = 0L,
  strokeColor = "#000000",
  backgroundColor = "#868e96",
  fillStyle = c("solid", "hachure", "cross-hatch"),
  strokeWidth = 1L,
  strokeStyle = c("solid", "dashed", "dotted"),
  roughness = 0L,
  opacity = 100L,
  groupIds = list(),
  strokeSharpness = c("round", "sharp"),
  isDeleted = FALSE,
  boundElementIds = NA,
  points = list(list(0L, 0L), list(100, 0L)),
  lastCommittedPoint = NA,
  startBinding = NA,
  endBinding = NA,
  startArrowhead = NA,
  endArrowhead = NA,
  version = 1,
  versionNonce = 12345
)

```

Arguments

x x position of glyph in px
 y y position of glyph in px
 width glyph width in px

height	glyph height in px
angle	in radians
strokeColor	HTML colour code
backgroundColor	HTML colour code
fillStyle	"solid" or "hachure" or "cross-hatch"
strokeWidth	1 or 2 or 4
strokeStyle	"solid" or "dashed" or "dotted"
roughness	degree of wiggleness, 0 or 1 or 2
opacity	0 to 100
groupIds	list of strings indicating groupings
strokeSharpness	"sharp" or "round"
isDeleted	tag for collaboration
boundElementIds	list of IDs used for connectors
points	of glyph
lastCommittedPoint	of glyph
startBinding	of glyph
endBinding	of glyph
startArrowhead	of glyph
endArrowhead	of glyph
version	of glyph for collaboration
versionNonce	of glyph for collaboration

xkd_element

xkd_element

Description

xkd_element

Usage

```
xkd_element(
  type = "rectangle",
  x = 0,
  y = 0,
  width = 100,
  height = 100,
```

```

    angle = 0L,
    strokeColor = "#000000",
    backgroundColor = "#868e96",
    fillStyle = c("solid", "hachure", "cross-hatch"),
    strokeWidth = 2L,
    strokeStyle = c("solid", "dashed", "dotted"),
    roughness = 0L,
    opacity = 100L,
    groupIds = list(),
    strokeSharpness = c("sharp", "round"),
    isDeleted = FALSE,
    boundElementIds = NA,
    version = 1,
    versionNonce = 12345,
    ...
)

```

Arguments

type	Element type
x	x position of glyph in px
y	y position of glyph in px
width	glyph width in px
height	glyph height in px
angle	in radians
strokeColor	HTML colour code
backgroundColor	HTML colour code
fillStyle	"solid" or "hachure" or "cross-hatch"
strokeWidth	1 or 2 or 4
strokeStyle	"solid" or "dashed" or "dotted"
roughness	degree of wiggleness, 0 or 1 or 2
opacity	0 to 100
groupIds	list of strings indicating groupings
strokeSharpness	"sharp" or "round"
isDeleted	tag for collaboration
boundElementIds	list of IDs used for connectors
version	of glyph for collaboration
versionNonce	of glyph for collaboration
...	Unused

xkd_ellipse

xkd_ellipse

Description

xkd_ellipse

Usage

```
xkd_ellipse(
  x = 0,
  y = 0,
  width = 100,
  height = 100,
  angle = 0L,
  strokeColor = "#000000",
  backgroundColor = "#868e96",
  fillStyle = c("solid", "hachure", "cross-hatch"),
  strokeWidth = 2L,
  strokeStyle = c("solid", "dashed", "dotted"),
  roughness = 0L,
  opacity = 100L,
  groupIds = list(),
  strokeSharpness = c("sharp", "round"),
  isDeleted = FALSE,
  boundElementIds = NA,
  version = 1,
  versionNonce = 12345
)
```

Arguments

x	x position of glyph in px
y	y position of glyph in px
width	glyph width in px
height	glyph height in px
angle	in radians
strokeColor	HTML colour code
backgroundColor	HTML colour code
fillStyle	"solid" or "hachure" or "cross-hatch"
strokeWidth	1 or 2 or 4
strokeStyle	"solid" or "dashed" or "dotted"
roughness	degree of wiggleness, 0 or 1 or 2

opacity	0 to 100
groupIds	list of strings indicating groupings
strokeSharpness	"sharp" or "round"
isDeleted	tag for collaboration
boundElementIds	list of IDs used for connectors
version	of glyph for collaboration
versionNonce	of glyph for collaboration

xkd_math	<i>xkd_math</i>
----------	-----------------

Description

xkd_math

Usage

```
xkd_math(
  x = 0,
  y = 0,
  width = 100,
  height = 100,
  angle = 0,
  text = "\\nabla\\cdot\\mathbf{E}",
  strokeColor = "#000000",
  backgroundColor = "#868e96",
  fillStyle = "solid",
  strokeWidth = 2L,
  strokeStyle = "solid",
  roughness = 0L,
  opacity = 100L,
  groupIds = list(),
  strokeSharpness = c("sharp", "round"),
  boundElementIds = NA,
  fontSize = 28L,
  fontFamily = 1L,
  textAlign = "left",
  verticalAlign = "top",
  baseline = fontSize,
  version = 300,
  versionNonce = 12345,
  isDeleted = FALSE,
  subtype = "math",
```



```

    containerId = NA,
    customData = list(useTex = TRUE, mathOnly = TRUE)
)

```

Arguments

x	x position of glyph in px
y	y position of glyph in px
width	glyph width in px
height	glyph height in px
angle	in radians
text	text string
strokeColor	HTML colour code
backgroundColor	HTML colour code
fillStyle	"solid" or "hachure" or "cross-hatch"
strokeWidth	1 or 2 or 4
strokeStyle	"solid" or "dashed" or "dotted"
roughness	degree of wiggleness, 0 or 1 or 2
opacity	0 to 100
groupIds	list of strings indicating groupings
strokeSharpness	"sharp" or "round"
boundElementIds	list of IDs used for connectors
fontSize	in pts
fontFamily	1, 2, 3 (FG_Virgil,Cascadia,?)
textAlign	"left", "center", "right"
verticalAlign	"bottom", "center", "top"
baseline	offset in pts?
version	of glyph for collaboration
versionNonce	of glyph for collaboration
isDeleted	tag for collaboration
subtype	Subtype
containerId	Container ID
customData	List of custom data

xkd_read	<i>Read an Excalidraw file</i>
----------	--------------------------------

Description

Read an Excalidraw file from a file or URL. If `simplifyVector = TRUE`, the the diagram elements are returned as a data frame instead of a list. This option makes the returned object is incompatible with the R6 methods in this package.

Usage

```
xkd_read(file, excalidoc = FALSE, simplifyVector = FALSE)
```

Arguments

<code>file</code>	A file path or URL for an Excalidraw file with a JSON or excalidraw file extension.
<code>excalidoc</code>	Default FALSE. If TRUE, return a R6 ExcaliDoc class object.
<code>simplifyVector</code>	simplifies nested lists into vectors and data frames. See fromJSON() .

Value

A named list or ExcaliDoc object

xkd_rectangle	<i>xkd_rectangle</i>
---------------	----------------------

Description

xkd_rectangle

Usage

```
xkd_rectangle(
  x = 0,
  y = 0,
  width = 100,
  height = 100,
  angle = 0L,
  strokeColor = "#000000",
  backgroundColor = "#868e96",
  fillStyle = c("solid", "hachure", "cross-hatch"),
  strokeWidth = 2L,
  strokeStyle = c("solid", "dashed", "dotted"),
  roughness = 0L,
```

```

    opacity = 100L,
    groupIds = list(),
    strokeSharpness = c("sharp", "round"),
    isDeleted = FALSE,
    boundElementIds = NA,
    version = 1,
    versionNonce = 12345
  )

```

Arguments

x	x position of glyph in px
y	y position of glyph in px
width	glyph width in px
height	glyph height in px
angle	in radians
strokeColor	HTML colour code
backgroundColor	HTML colour code
fillStyle	"solid" or "hachure" or "cross-hatch"
strokeWidth	1 or 2 or 4
strokeStyle	"solid" or "dashed" or "dotted"
roughness	degree of wiggleness, 0 or 1 or 2
opacity	0 to 100
groupIds	list of strings indicating groupings
strokeSharpness	"sharp" or "round"
isDeleted	tag for collaboration
boundElementIds	list of IDs used for connectors
version	of glyph for collaboration
versionNonce	of glyph for collaboration

xkd_text

xkd_text

Description

xkd_text

Usage

```
xkd_text(
  x = 0,
  y = 0,
  width = 100,
  height = 100,
  angle = 0,
  strokeColor = "#000000",
  backgroundColor = "#868e96",
  fillStyle = "solid",
  strokeWidth = 2L,
  strokeStyle = "solid",
  roughness = 0L,
  opacity = 100L,
  groupIds = list(),
  strokeSharpness = c("sharp", "round"),
  isDeleted = FALSE,
  boundElementIds = NA,
  text = "text",
  fontSize = 36L,
  fontFamily = 1L,
  textAlign = "left",
  verticalAlign = "top",
  baseline = 32L,
  version = 1,
  versionNonce = 12345
)
```

Arguments

x	x position of glyph in px
y	y position of glyph in px
width	glyph width in px
height	glyph height in px
angle	in radians
strokeColor	HTML colour code
backgroundColor	HTML colour code
fillStyle	"solid" or "hachure" or "cross-hatch"
strokeWidth	1 or 2 or 4
strokeStyle	"solid" or "dashed" or "dotted"
roughness	degree of wiggleness, 0 or 1 or 2
opacity	0 to 100
groupIds	list of strings indicating groupings

strokeSharpness	"sharp" or "round"
isDeleted	tag for collaboration
boundElementIds	list of IDs used for connectors
text	text string
fontSize	in pts
fontFamily	1, 2, 3 (FG_Virgil,Cascadia,?)
textAlign	"left", "center", "right"
verticalAlign	"bottom", "center", "top"
baseline	offset in pts?
version	of glyph for collaboration
versionNonce	of glyph for collaboration

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