

Package: annotator (via r-universe)

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Title Image Annotation and Polygon Outlining using Free Drawing

Version 0.0.3.1

Description Provides functions to create image annotations through polygon outlining. Annotator has the same function as 'graphics::locator()' but achieves its purpose through drawing, rather than multiple mouse clicks. It is based on the 'htmlwidgets' package and 'fabric.js' JavaScript library <<http://fabricjs.com/>>.

License GPL (>= 3)

Encoding UTF-8

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URL <https://github.com/valcu/annotator>

BugReports <https://github.com/valcu/annotator/issues>

Depends R (>= 4.0.0),

Imports methods, utils, shiny, htmlwidgets, xfun

Suggests testthat (>= 3.0.0), stringr, glue, bslib, sf, terra, keys, colourpicker, spelling

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Language en-US

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

RemoteUrl <https://github.com/valcu/annotator>

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annotate	<i>Create an annotation widget</i>
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Description

This function creates an annotation using [htmlwidgets](#). The widget can be rendered on HTML pages generated from Shiny or other applications.

Usage

```
annotate(
  im,
  resultId = "annot_id",
  brushWidth = 4,
  brushColor = "red",
  opacity = 0.5,
  fill = "grey"
)
```

Arguments

im	the input image. If missing, a transparent 800x600 png is used.
resultId	the id of the div in the UI where the annotation (the drawn polygon) is stored. Only relevant when the widget is used in shiny. Defaults to "annot_id".
brushWidth	default to 3 pixels.
brushColor	Any valid CSS color. For example "red", "rgba(255,93,0,1)", or "#1c4564".
opacity	default to 0.5.
fill	default to 'gray'

Value

An object generated by [htmlwidgets::createWidget\(\)](#).

Examples

```
if (interactive()) {
  require(annotator)
  im = system.file("sample_images", "aves", "5.png", package = "annotator")
  annotate(im)
}
```

annotator	<i>Image annotation</i>
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Description

Image annotation using free drawing.

Author(s)

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annotatorOutput	<i>Widget output function for use in Shiny</i>
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Description

Widget output function for use in Shiny

Usage

```
annotatorOutput(outputId, width = "auto", height = "auto", ...)
```

Arguments

outputId	The name of the input.
width	in CSS units, default to "auto".
height	in CSS units, default to "auto".
...	further arguments to pass to htmlwidgets::shinyWidgetOutput() e.g. inline.

Value

An object generated by [htmlwidgets::shinyWidgetOutput\(\)](#).

See Also

[runExample\(\)](#)

Examples

```
# Print the directory containing the code for all examples to see this function in use.  
system.file("examples", package = "annotator")
```

empty_png	<i>this is an 800x600 transparent png</i>
-----------	---

Description

this is an 800x600 transparent png

Usage

```
empty_png()
```

renderAnnotator	<i>Widget render function for use in Shiny</i>
-----------------	--

Description

Widget render function for use in Shiny

Usage

```
renderAnnotator(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

expr	An annotator expression.
env	A environment. Default to <code>parent.frame()</code> .
quoted	A boolean value.

Value

An object generated by `htmlwidgets::shinyRenderWidget()`.

See Also

[runExample\(\)](#)

Examples

```
# Print the directory containing the code for all examples to see this function in use.  
system.file("examples", package = "annotator")
```

`runExample`*Run Shiny Examples*

Description

Launch Shiny example applications bundled in annotator.

Usage

```
runExample(example, ...)
```

Arguments

<code>example</code>	The name of the example to run. Available are: 01_hello, 02_pipeline
<code>...</code>	further arguments to pass to <code>shiny::runApp()</code>

Value

No return value, called for its side effects.

Examples

```
## Only run this example in interactive R sessions
if (interactive()) {
  annotator::runExample("01_hello")
  annotator::runExample("02_pipeline")

  # Print the directory containing the code for all examples
  system.file("examples", package = "annotator")
}
```

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