Package 'pannotator'

November 11, 2024

Title Visualisation and Annotation of 360 Degree Imagery

Version 1.0.0.4

Description Provides a customisable R 'shiny' app for immersively
visualising, mapping and annotating panospheric (360 degree) imagery.
The flexible interface allows annotation of any geocoded images using
up to 4 user specified dropdown menus. The app uses 'leaflet' to
render maps that display the geo-locations of images and panellum
<https://pannellum.org/>, a lightweight panorama viewer for the web,
to render images in virtual 360 degree viewing mode. Key functions
include the ability to draw on & export parts of 360 images for
downstream applications. Users can also draw polygons and points on
map imagery related to the panoramic images and export them for
further analysis. Downstream applications include using annotations to
train Artificial Intelligence/Machine Learning (AI/ML) models and
geospatial modelling and analysis of camera based survey data.

License GPL (>= 3)

URL https://github.com/NunzioKnerr/pannotator_package_source

BugReports https://github.com/NunzioKnerr/pannotator_package_source/issues

Imports bslib, colourpicker, config, configr, dplyr, exiftoolr,
geojsonsf, ggplot2, golem, graphics, grDevices, htmlwidgets,
jpeg, jsonify, jsonlite, leaflet, leaflet.extras, leafpm,
magrittr, readr, scales, sf, shiny, shinyFiles, shinyhelper,
shinyjs, shinythemes, shinyWidgets, stringr, tools, utils

Suggests knitr, rmarkdown, spelling, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

Encoding UTF-8

Language en-US

RoxygenNote 7.3.2

NeedsCompilation no

Author Nunzio Knerr [aut, cre] (<<https://orcid.org/0000-0002-0562-9479>>),
       Robert Godfree [aut] (<<https://orcid.org/0000-0002-4263-2917>>),
       Matthew Petroff [ctb],
       CSIRO [cph]

Maintainer Nunzio Knerr <Nunzio.Knerr@csiro.au>

Contents

---

run_app   *Run the Shiny Application*

Description

'run_app()' starts the Shiny application contained in this package, with an option to load settings
from a YAML file using additional option: projectSettingsFile = "pathToYamlFile".

Usage

```
run_app(
  onStart = NULL,
  options = list(),
  enableBookmarking = NULL,
  uiPattern = "/",
  ...
)
```

Arguments

onStart	A function that will be called before the app is actually run. This is only needed for shinyAppObj, since in the shinyAppDir case, a global.R file can be used for this purpose.
options	Named options that should be passed to the runApp call (these can be any of the following: "port", "launch.browser", "host", "quiet", "display.mode" and "test.mode"). You can also specify width and height parameters which provide a hint to the embedding environment about the ideal height/width for the app.
enableBookmarking	
	Can be one of "url", "server", or "disable". The default value, NULL, will respect the setting from any previous calls to enableBookmarking(). See enableBookmarking() for more information on bookmarking your app.

uiPattern	A regular expression that will be applied to each GET request to determine whether the ui should be used to handle the request. Note that the entire request path must match the regular expression in order for the match to be considered successful.
...	Additional arguments to pass to 'golem_opts'. See '?golem::get_golem_options' for more details.

Details

This function initializes and runs the Shiny app developed with the golem framework. It optionally loads application-specific settings from a YAML file, which can be useful for project-specific configurations.

Value

No return value, called for side effects. Launches the Shiny app.

Examples

```
if (interactive()) {
  # Example: Run the application with default settings
  run_app()

  # Example: Run the application with a specific YAML configuration file
  run_app(projectSettingsFile = "C:/test-project.yml")
}
```

Index

enableBookmarking(), *2*

run_app, *2*