Package 'ShinyAppBuilder'

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Type Package

Title Viewing OHDSI Results Via Shiny Modules

Version 1.1.1

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Description Interactively view analysis results across different types of analyses.

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URL <https://ohdsi.github.io/ShinyAppBuilder>, <https://github.com/OHDSI/ShinyAppBuilder>

BugReports <https://github.com/OHDSI/ShinyAppBuilder/issues>

VignetteBuilder knitr

Depends R (>= 3.3.0)

Imports dplyr,
    jsonlite,
    keyring,
    OhdsiShinyModules (>= 1.0.2),
    ParallelLogger (>= 2.0.0),
    rlang,
    shiny,
    shinydashboard

Suggests Eunomia,
    knitr,
    rmarkdown,
    testthat,
    markdown,
    remotes

Remotes ohdsi/Eunomia,
    ohdsi/OhdsiShinyModules

RoxygenNote 7.2.1

Encoding UTF-8

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R topics documented:

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addModuleConfig   *addModuleConfig*

Description

Create an R list with the config specification for one or more modules

Usage

```
addModuleConfig(config, moduleConfig)
```

Arguments

config   The current config to append the extra module to

moduleConfig   A module config to be added

Details

User specifies the settings to create a config for a module

Value

An R list with the module config settings

createDefaultAboutConfig

createDefaultAboutConfig

Description

Create an R list with the about config specification

Usage

```
createDefaultAboutConfig(resultDatabaseDetails, useKeyring = T)
```

Arguments

resultDatabaseDetails

A list containing the result database schema (schema), the tablePrefix for the results and other optional settings

useKeyring   whether to save the resultDatabaseDetails to a keyring or system environmental variable

Details

User specifies the settings to create a default config for an about module

Value

An R list with the module config settings

createDefaultCharacterizationConfig

createDefaultCharacterizationConfig

Description

Create an R list with the characterization config specification

Usage

```
createDefaultCharacterizationConfig(
  resultDatabaseDetails = list(dbms = "sqlite", tablePrefix = "c_", cohortTablePrefix =
    "cg_", databaseTablePrefix = "", schema = "main", databaseTable =
    "DATABASE_META_DATA", incidenceTablePrefix = "i_"),
   useKeyring = T
)
```

Arguments

resultDatabaseDetails

> A list containing the result database schema (schema), the tablePrefix for the results and other optional settings

useKeyring   whether to save the resultDatabaseDetails to a keyring or system environmental variable

Details

User specifies the settings to create a default config for a characterization module

Value

An R list with the module config settings

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createDefaultCohortDiagnosticsConfig
createDefaultCohortDiagnosticsConfig

Description

Create an R list with the characterization config specification

Usage

```
createDefaultCohortDiagnosticsConfig(
  resultDatabaseDetails = list(dbms = "sqlite", tablePrefix = "cd_", schema = "main",
    vocabularyDatabaseSchema = "main"),
   useKeyring = T
)
```

Arguments

resultDatabaseDetails

> A list containing the result database schema (schema), the tablePrefix for the results and other optional settings

useKeyring   whether to save the resultDatabaseDetails to a keyring or system environmental variable

Details

User specifies the settings to create a default config for a characterization module

Value

An R list with the module config settings

---

createDefaultCohortGeneratorConfig

createDefaultCohortGeneratorConfig

Description

Create an R list with the cohort generator config specification

Usage

```
createDefaultCohortGeneratorConfig(
  resultDatabaseDetails = list(dbms = "sqlite", tablePrefix = "cg_", cohortTablePrefix =
    "cg_", databaseTablePrefix = "", schema = "main", databaseTable =
    "DATABASE_META_DATA", incidenceTablePrefix = "i_"),
  useKeyring = T
)
```

Arguments

resultDatabaseDetails
                A list containing the result database schema (schema), the tablePrefix for the results and other optional settings

useKeyring   whether to save the resultDatabaseDetails to a keyring or system environmental variable

Details

User specifies the settings to create a default config for a cohort generator module

Value

An R list with the module config settings

---

createDefaultEstimationConfig

createDefaultEstimationConfig

Description

Create an R list with the estimation config specification

Usage

```
createDefaultEstimationConfig(
  resultDatabaseDetails = list(dbms = "sqlite", tablePrefix = "cm_", cohortTablePrefix =
    "cg_", databaseTablePrefix = "", schema = "main", databaseTable =
    "DATABASE_META_DATA", incidenceTablePrefix = "i_"),
  useKeyring = T
)
```

Arguments

```
resultDatabaseDetails
```
                 A list containing the result database schema (schema), the tablePrefix for the
                 results and other optional settings

```
useKeyring
```
                 whether to save the resultDatabaseDetails to a keyring or system environmental
                 variable

Details

User specifies the settings to create a default config for an estimation module

Value

An R list with the module config settings

```
createDefaultPredictionConfig
```
createDefaultPredictionConfig

Description

Create an R list with the prediction config specification

Usage

```
createDefaultPredictionConfig(
  resultDatabaseDetails = list(dbms = "sqlite", tablePrefix = "plp_", cohortTablePrefix =
    "cg_", databaseTablePrefix = "", schema = "main", databaseTable =
    "DATABASE_META_DATA", incidenceTablePrefix = "i_"),
   useKeyring = T
)
```

Arguments

```
resultDatabaseDetails
```
                 A list containing the result database schema (schema), the tablePrefix for the
                 results and other optional settings

```
useKeyring
```
                 whether to save the resultDatabaseDetails to a keyring or system environmental
                 variable

Details

User specifies the settings to create a default config for a prediction module

Value

An R list with the module config settings

createModuleConfig *createModuleConfig*

Description

Create an R list with the config specification

Usage

```
createModuleConfig(
  moduleId = "about",
  tabName = "About",
  shinyModulePackage = "OhdsiShinyModules",
  moduleUiFunction = "aboutViewer",
  moduleServerFunction = "aboutServer",
  moduleDatabaseConnectionKeyService = "resultDatabaseDetails",
  moduleDatabaseConnectionKeyUsername = NULL,
  moduleInfoBoxFile = "aboutHelperFile()",
  moduleIcon = "info",
  resultDatabaseDetails,
  useKeyring = TRUE
)
```

Arguments

moduleId	The shiny id for the tab containing the module UI
tabName	The name of the tab in the shiny app (this will be the side menu button text)
shinyModulePackage	
	The R package to find the server and UI functions
moduleUiFunction	
	The name of the UI function in the R package shinyModulePackage
moduleServerFunction	
	The name of the server function in the R package shinyModulePackage
moduleDatabaseConnectionKeyService	
	The keyring service or the system environment variable with the result database details
moduleDatabaseConnectionKeyUsername	
	The keyring username or the system environment variable with the result database details
moduleInfoBoxFile	
	The function in the R package shinyModulePackage that contains info text
moduleIcon	The icon to use for the side menu button
resultDatabaseDetails	
	A list containing the result database schema (schema), the tablePrefix for the results and other optional settings
useKeyring	whether to save the resultDatabaseDetails to a keyring or system environmental variable

Details

User specifies the settings to create a config for a module

Value

An R list with the module config settings

---

createShinyApp   *createShinyApp*

Description

Create a shiny app for a shiny server

Usage

```
createShinyApp(config, connection)
```

Arguments

config   The json with the app config

connection   A connection to the results

Details

User specifies the json config and connection

Value

The shiny app will open

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initializeModuleConfig

                            initializeModuleConfig

Description

Creates an empty config

Usage

```
initializeModuleConfig()
```

Details

An empty config that can be used to add shiny module configs to

Value

An empty list

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loadConfig *loadConfig*

Description

Load the config specification

Usage

```
loadConfig(configLocation)
```

Arguments

configLocation   The location of the config json file

Details

User specifies the config file and this function returns the R list with the config

Value

An R list with the config settings

---

saveConfig *saveConfig*

Description

Save the R list with the config specification as a json

Usage

```
saveConfig(configList, configLocation)
```

Arguments

configList   An R list with the config settings

configLocation   The location to save the config json file

Details

User saves the R list with the config as a json file

Value

An R list with the config settings

ShinyAppBuilder	*ShinyAppBuilder*

Description

A package for creating viewers for the OHDSI shiny apps

viewShiny	*viewShiny*

Description

Open the shiny app

Usage

```
viewShiny(config, connection)
```

Arguments

config	The json with the app config
connection	A connection to the results

Details

User specifies the json config and connection

Value

The shiny app will open

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