Package ‘shiny.worker’

October 14, 2022

Type Package
Title Delegate Jobs for Shiny Web Applications
Version 0.0.1
Description It allows you to delegate heavy computation tasks
to a separate process, such that it does not freeze your Shiny app.
Encoding UTF-8
LazyData true
License MIT + file LICENSE
Imports future, shiny, R6
RoxygenNote 7.1.1
Suggests testthat, covr
NeedsCompilation no
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**initialize_worker**  
*Creates new shiny.worker object*

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**Description**

Creates new shiny.worker object

**Usage**

```r
initialize_worker()
```

**Value**

shiny.worker object

**Examples**

```r
if(interactive()){
  worker <- initialize_worker()
}
```

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**Worker**  
*Shiny Worker R6 Class*

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**Description**

Shiny Worker R6 Class

Shiny Worker R6 Class

**Methods**

**Public methods:**

- `Worker$new()`
- `Worker$run_job()`
- `Worker$get_job_registry()`
- `Worker$clone()`

**Method** `new()`: Initialize the worker's registry

*Usage:*

```r
Worker$new()
```

**Method** `run_job()`: Add job to the registry

*Usage:*

---
Worker\$run_job(  
id, 
fun, 
args_reactive, 
value_until_resolved = NULL, 
invalidate_time = 1000  
)

*Arguments:*
- id character with job id
- fun function to calculate
- args_reactive reactive arguments that trigger the job
- value_until_resolved default value returned until the job is completed
- invalidate_time wait time before invalidating reactive context (msec)

*Returns:* reactive expression with promise of job completion

**Method** `get_job_registry()`: Displays jobs registry.

*Usage:*
Worker\$get_job_registry()

**Method** `clone()`: The objects of this class are cloneable with this method.

*Usage:*
Worker\$clone(deep = FALSE)

*Arguments:*
- deep Whether to make a deep clone.
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