Package ‘featureflag’

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Title Turn Features On and Off using Feature Flags

Version 0.1.0

Description Feature flags allow developers to turn features of their software on and off in form of configuration. This package provides functions for creating feature flags in code. It exposes an interface for defining own feature flags which are enabled based on custom criteria.

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Encoding UTF-8

LazyData true

RoxygenNote 7.1.0

Suggests testthat, spelling, knitr, rmarkdown

Language en-US

URL https://github.com/szymanskir/featureflag

BugReports https://github.com/szymanskir/featureflag/issues

VignetteBuilder knitr

NeedsCompilation no

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create_bool_feature_flag

Creates an instance of a bool feature flag with the specified bool value.

Description
Creates an instance of a bool feature flag with the specified bool value.

Usage
create_bool_feature_flag(value)

Arguments
value
single logical determining whether the flag should be enabled

Value
feature flag object of the bool value

Examples
{
  enabled_flag <- create_bool_feature_flag(TRUE)
  disabled_flag <- create_bool_feature_flag(FALSE)
}

create_feature_flag

Creates the base of a feature flag.

Description
It should not be used directly, but only as a prerequisite when creating concrete feature flag.

Usage
create_feature_flag()

Value
instance of a base feature flag.
**feature_if**

Evaluates the provided expression if the feature flag is enabled.

**Description**
Evaluates the provided expression if the feature flag is enabled.

**Usage**

```plaintext
feature_if(feature_flag, expr)
```

**Arguments**
- `feature_flag` flag which defines whether the provided expression should be evaluated
- `expr` expression to evaluate when the feature_flag is enabled

**Details**
The passed expression is evaluated in the frame where `feature_if` is called.

**Value**
If the passed `feature_flag` is enabled, than the result of the evaluation of the passed expression is returned. Otherwise there is no return value.

**Examples**

```plaintext
{
  flag <- create_bool_feature_flag(TRUE)

  feature_if(flag, {
    2 + 7
  })
}
```

---

**feature_ifelse**

Evaluates one or the other expression based on whether the feature flag is enabled.

**Description**
Evaluates one or the other expression based on whether the feature flag is enabled.

**Usage**

```plaintext
feature_ifelse(feature_flag, true_expr, false_expr)
```
Arguments

- **feature_flag**: flag which defines which expression should be evaluated
- **true_expr**: expression to evaluate when the feature_flag is enabled
- **false_expr**: expression to evaluate when the feature_flag is disabled

Details

The passed expression is evaluated in the frame where `feature_ifelse` is called.

Value

The result of evaluating **true_expr** is returned if the passed feature_flag is enabled. Otherwise the result of evaluating **false_expr** is returned.

Examples

```r
{  
  flag <- create_bool_feature_flag(TRUE)
  
  feature_ifelse(
    flag,
    2 * 7,
    3 * 7
  )
}
```

---

`is_enabled`  
*checks if the given feature flag is enabled.*

Description

Checks if the given feature flag is enabled.

Usage

`is_enabled(feature_flag)`

Arguments

- **feature_flag**: feature flag to be tested whether it is enabled

Value

TRUE if the feature flag is enabled.
is_enabled.bool_feature_flag

Checks if the given bool feature flag is enabled

Description

Checks if the given bool feature flag is enabled

Usage

```r
## S3 method for class 'bool_feature_flag'
is_enabled(feature_flag)
```

Arguments

feature_flag flag to be checked whether it is enabled

Value

TRUE if the feature flag is enabled.

Examples

```r
{
enabled_flag <- create_bool_feature_flag(TRUE)

if (is_enabled(enabled_flag)) {
  print("The flag is enabled!")
}
}
```
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