

The description file explains the package, licencing, contact information and dependencies.



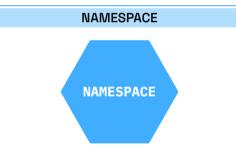
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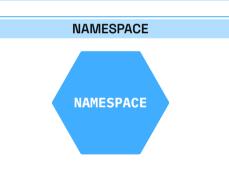
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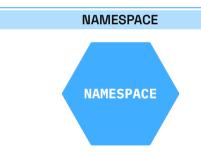
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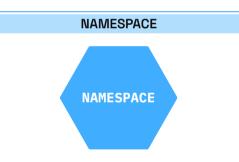
The namespace lists the functions exported by the package, and imports from dependencies.



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Licenses set out how others can use the package, the MIT Licence is a "permissive" licence.

# LICENSE (GPL)

GPLv3 License

Licenses set out how others can use the package, the GPL is a "copyleft" licence.

# LICENSE (CCO)

CCO License

Licenses set out how others can use the package, the CCO is a "public domain" licence.

# LICENSE (MIT)

MIT License

Licenses set out how others can use the package, the MIT Licence is a "permissive" licence.

#### function.R



An R script contains your package code, for example a single function.

ACTION: Discard 10 units of code from your package

#### function.R



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An R script contains your package code, for example a single function.

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# family.R

An R script contains your package code, for example a family of related functions.

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# family.R



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## family.R



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# family.R



An R script contains your package code, for example a family of related functions.

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# utils.R



An R script contains your package code, for example "internal" utility functions.

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1 UNIT OF CODE



R function

Functions are the building blocks of R packages.

1 UNIT OF CODE

#### R function



Functions are the building blocks of R packages.

1 UNIT OF CODE

# **R** function



Functions are the building blocks of R packages.

1 UNIT OF CODE

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#### R function



Functions are the building blocks of R packages.

2 UNITS OF CODE

#### R function



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2 UNITS OF CODE





# 2 UNITS OF CODE

#### R function

```
if (x < y) {
 х+у
} else {
 х-у
```

Functions are the building blocks of R packages.

#### 2 UNITS OF CODE



Functions are the building blocks of R packages.

#### 2 UNITS OF CODE

R function

# R function



Functions are the building blocks of R packages.

**3 UNITS OF CODE** 

# R function

2 UNITS OF CODE

R function

if (x < y) {

Functions are the building blocks

of R packages.

х+у

} else {



Functions are the building blocks of R packages.

**3 UNITS OF CODE** 

#### R function



Functions are the building blocks of R packages.

# **3 UNITS OF CODE**

#### R function



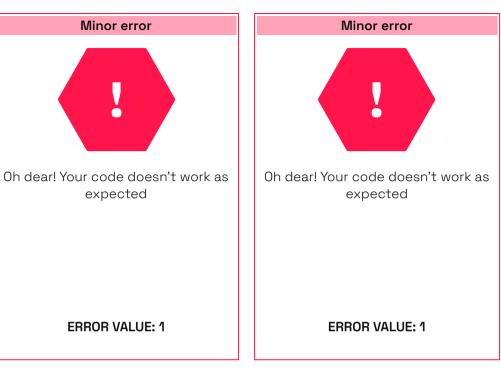
Functions are the building blocks of R packages.

# **3 UNITS OF CODE**





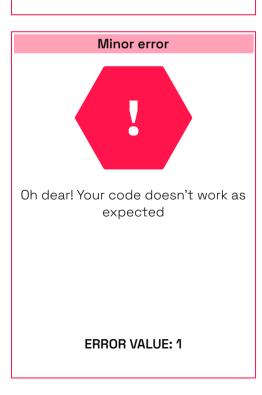
**ERROR VALUE: 1** 



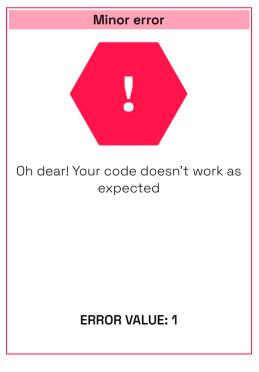


**ERROR VALUE: 1** 

**ERROR VALUE: 1** 







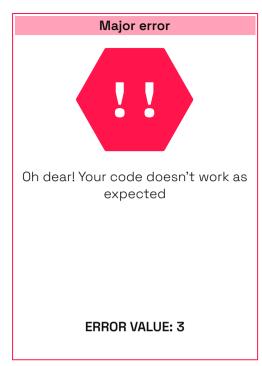


**ERROR VALUE: 1** 



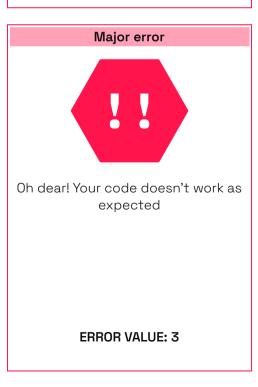
**ERROR VALUE: 1** 



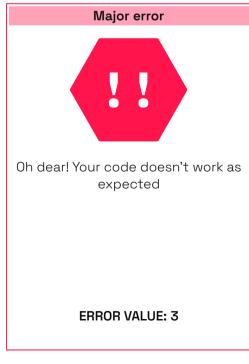




**ERROR VALUE: 3** 







## Fatal error



Oh dear! Your code doesn't work as expected

ACTION: Discard 1 code card each turn until this error is fixed

**ERROR VALUE: 5** 

## Fatal error



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#### Fatal error



Oh dear! Your code doesn't work as expected

ACTION: Discard 1 code card each turn until this error is fixed

**ERROR VALUE: 5** 

# **Imports**



Dependencies allow you to use code in other packages. Imports must be installed for your package to run.

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ACTION: Discard 1 code card from your package

1 UNIT OF CODE

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## Imports



Dependencies allow you to use code in other packages. Imports must be installed for your package to run.

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1 UNIT OF CODE

# Suggests



Dependencies allow you to use code in other packages. Suggested packages don't need to be installed for your package to run.

**ERROR VALUE: 1** 

# Suggests



Dependencies allow you to use code in other packages. Suggested packages don't need to be installed for your package to run.

**ERROR VALUE: 1** 

# **Function help**



Documentation helps end users understand how to your package.

# **Function help**



Documentation helps end users understand how to your package.

# Function help



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Documentation helps end users understand how to your package.

# Vignette



Vignettes provide long-form guides to using aspects of your package.

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# Debug minor error



Fixing an error is often called "debugging"

ACTION: Discard error(s) up to a value of 1 from your package (and this card)

**ERROR VALUE: -1** 

# Debug minor error



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ACTION: Discard error(s) up to a value of 1 from your package (and this card)

**ERROR VALUE: -1** 

# Debug major error



Fixing an error is often called "debugging"

ACTION: Discard error(s) up to a value of 3 from your package (and this card)

**ERROR VALUE: -3** 

# Debug major error



Fixing an error is often called "debugging"

ACTION: Discard error(s) up to a value of 3 from your package (and this card)

**ERROR VALUE: -3** 

# Debug major error



Fixing an error is often called "debugging"

ACTION: Discard error(s) up to a value of 3 from your package (and this card)

**ERROR VALUE: -3** 

# Debug major error



Fixing an error is often called "debugging"

ACTION: Discard error(s) up to a value of 3 from your package (and this card)

**ERROR VALUE: -3** 

#### Write tests



Using unit tests can help you detect errors more easily

ACTION: Discard error(s) up to a value of 1 from your package (one time only)

**ERROR VALUE: -1** 

#### Write tests



Using unit tests can help you detect errors more easily

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#### Write tests

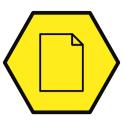


Using unit tests can help you detect errors more easily

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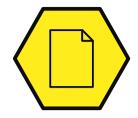


Using unit tests can help you detect errors more easily

ACTION: Discard error(s) up to a value of 1 from your package (one time only)

**ERROR VALUE: -1** 

#### Write tests

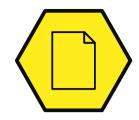


Using unit tests can help you detect errors more easily

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**ERROR VALUE: -3** 

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Using unit tests can help you detect errors more easily

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**ERROR VALUE: -3** 

#### Write tests



Using unit tests can help you detect errors more easily

ACTION: Discard error(s) up to a value of 3 from your package (one time only)

**ERROR VALUE: -3** 

#### Collaborate on code



Collaboration can help you develop your package more quickly

ACTION: Use this card in place of 5 code cards (discard after use)

**5 UNITS OF CODE** 

#### Collaborate on code



Collaboration can help you develop your package more quickly

ACTION: Use this card in place of 5 code cards (discard after use)

**5 UNITS OF CODE** 

#### Collaborate on code



Collaboration can help you develop your package more quickly

ACTION: Use this card in place of 5 code cards (discard after use)

**5 UNITS OF CODE** 

# Collaborate on fixing



Collaboration can help you develop your package more quickly

ACTION: Discard error(s) up to a value of 5 from your package (discard after use)

**ERROR VALUE: -5** 

# Collaborate on fixing



Collaboration can help you develop your package more quickly

ACTION: Discard error(s) up to a value of 5 from your package (discard after use)

**ERROR VALUE: -5** 

# Collaborate on fixing



Collaboration can help you develop your package more quickly

ACTION: Discard error(s) up to a value of 5 from your package (discard after use)

**ERROR VALUE: -5** 

#### Collaborate on documentation



Collaboration can help you develop your package more quickly

ACTION: Use this card in place of a documentation card

#### Collaborate on documentation



Collaboration can help you develop your package more quickly

ACTION: Use this card in place of a documentation card