

{GOLEM} ET {FUSEN}: LE COMBO GAGNANT POUR CONSTRUIRE DES APPLICATIONS SHINY ROBUSTES ET FACILES À MAINTENIR

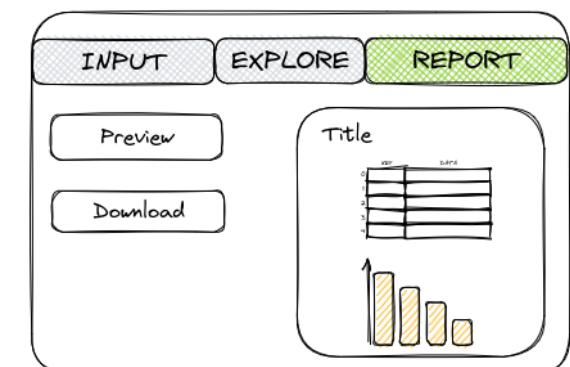
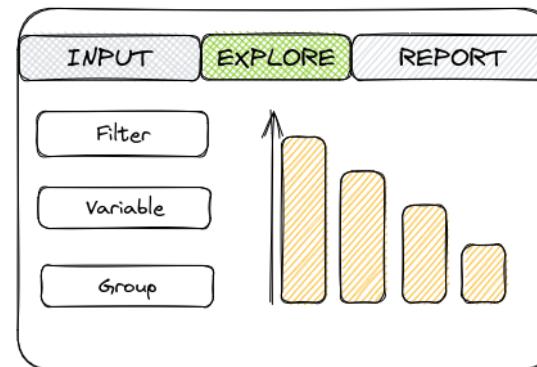
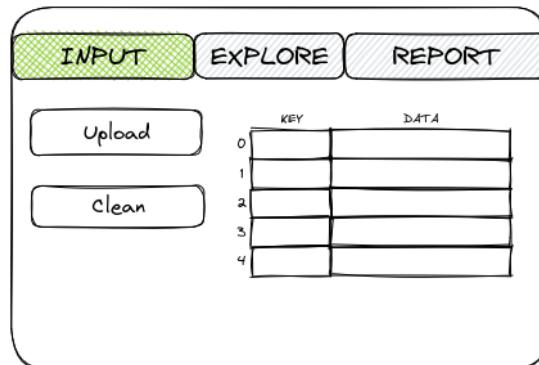
{GOLEM} ET {FUSEN}, BFF

SÉBASTIEN ROCHETTE, THINKR



Design your application

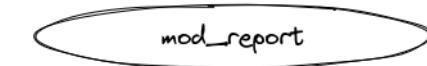
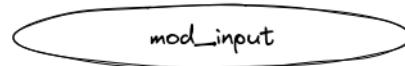
Let's imagine a 3 pages shiny application: input, explore, report



BUSINESS LOGIC

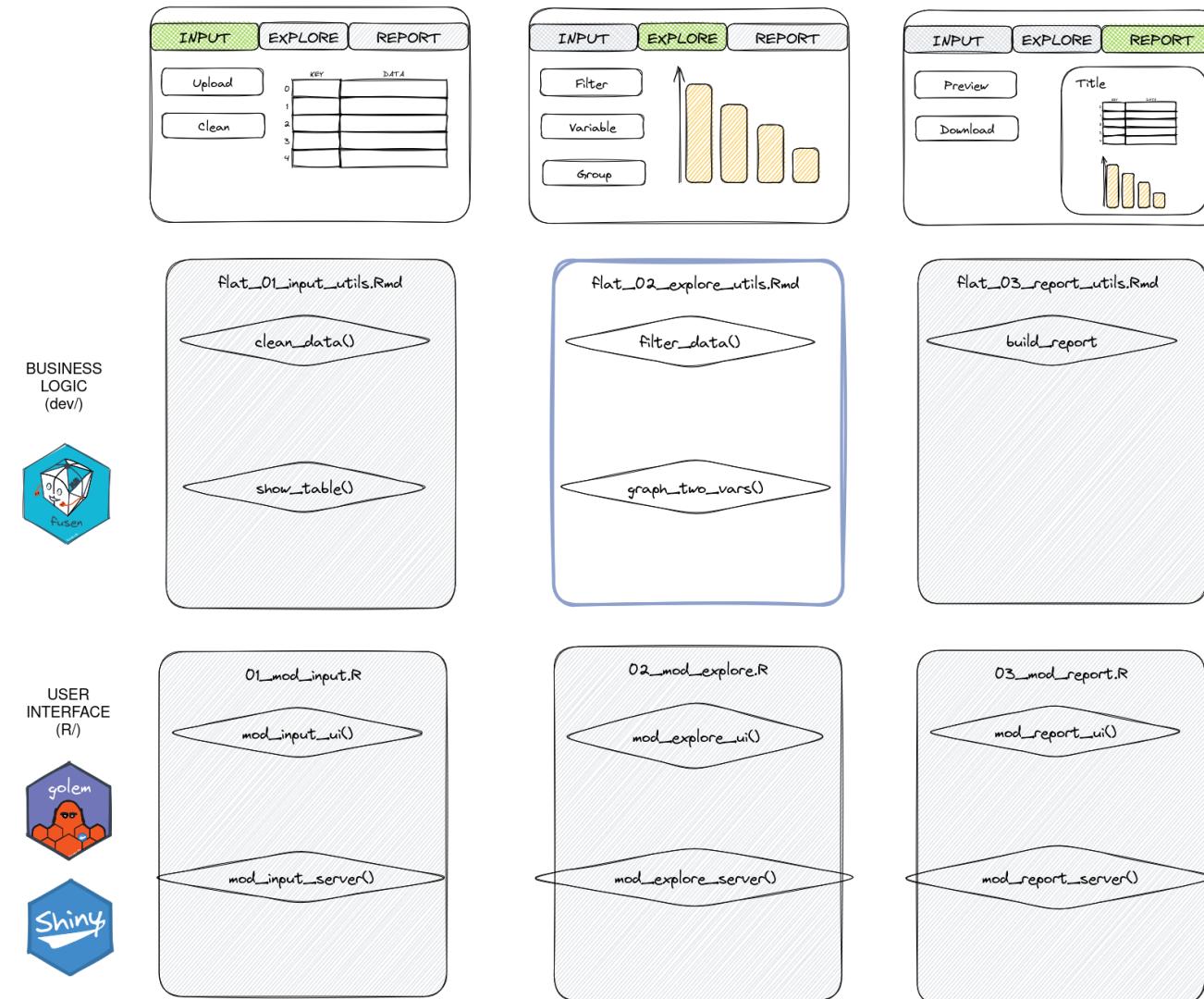


USER INTERFACE



Design your development project

Separate code according to the stakes and app structure



Prototype your app

Use a notebook to explore and validate the future outputs

BUSINESS
LOGIC
(dev/)



`flat_02_explore_utils.Rmd`

Filter data on multiple variables

`filter_data()`

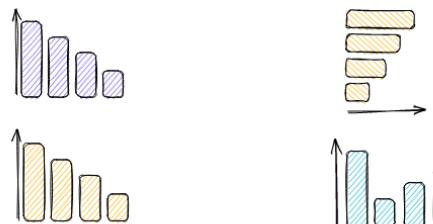
examples

tests

Build a graph with two variables

`graph_two_vars()`

Which one would you prefer in the application ?



tests

Prototype your app

Use a notebook to explore and validate the future outputs

BUSINESS
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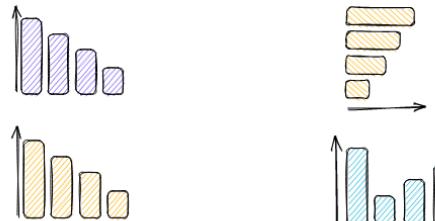
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tests

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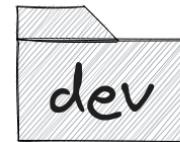
Which one would you prefer in the application ?



tests

Strengthen your code

Use a notebook with {fusen} template to document and test the business logic



BUSINESS
LOGIC



`flat_02_explore_utils.Rmd`

Filter data on multiple variables

function

```
filter_data()
```

examples

tests

Build a graph with two variables

function

```
graph_two_vars()
```

Which one would you prefer in the application ?

examples

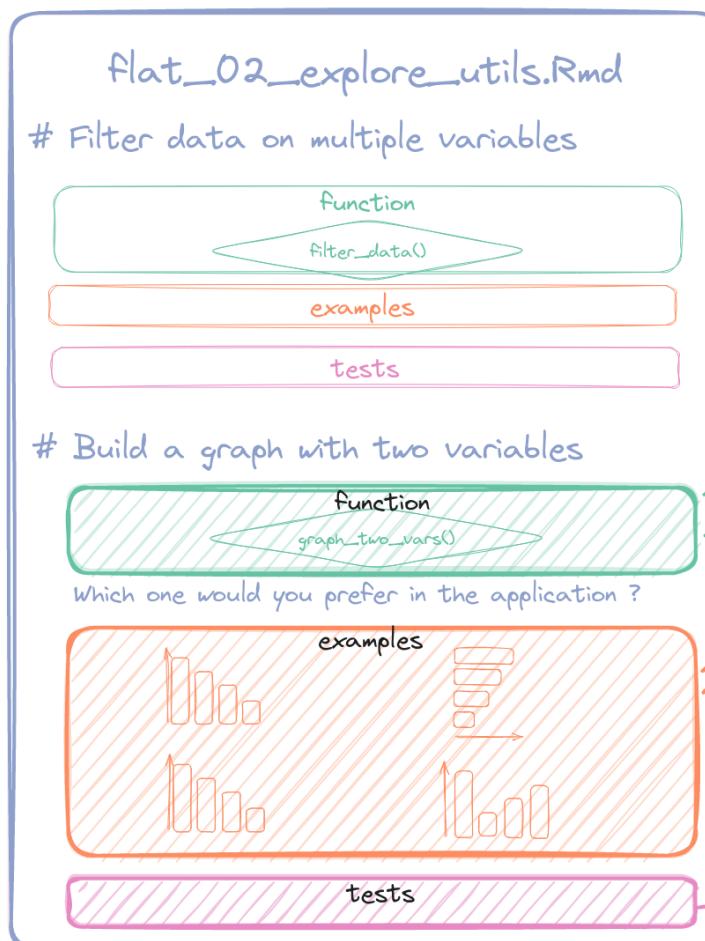
tests

Strengthen your code

Inflate as a package for a documented, robust and maintainable production-grade project



BUSINESS
LOGIC

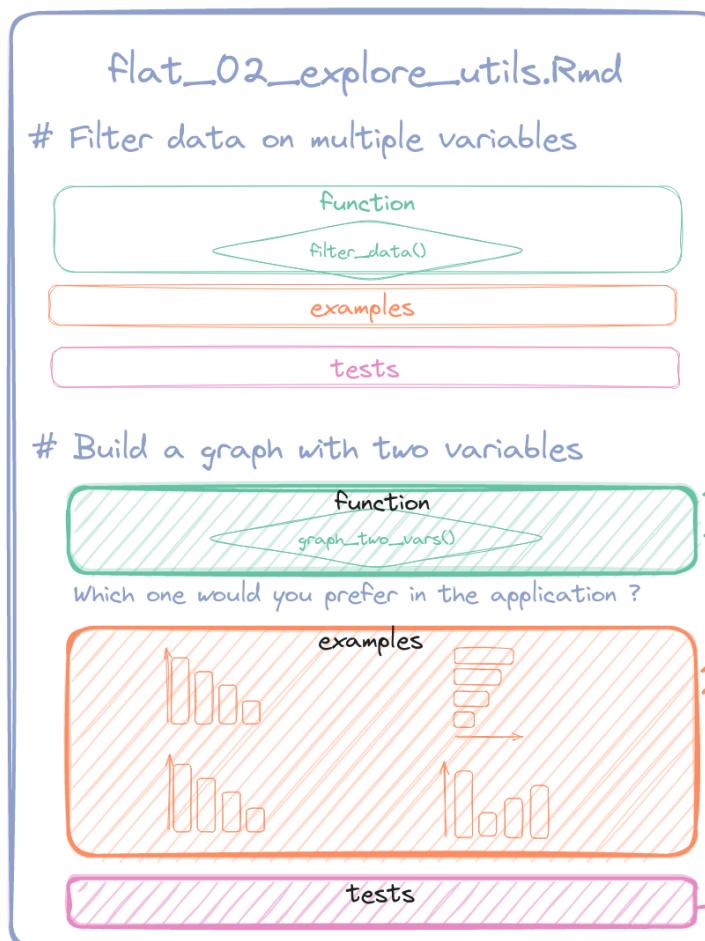


Strengthen your code

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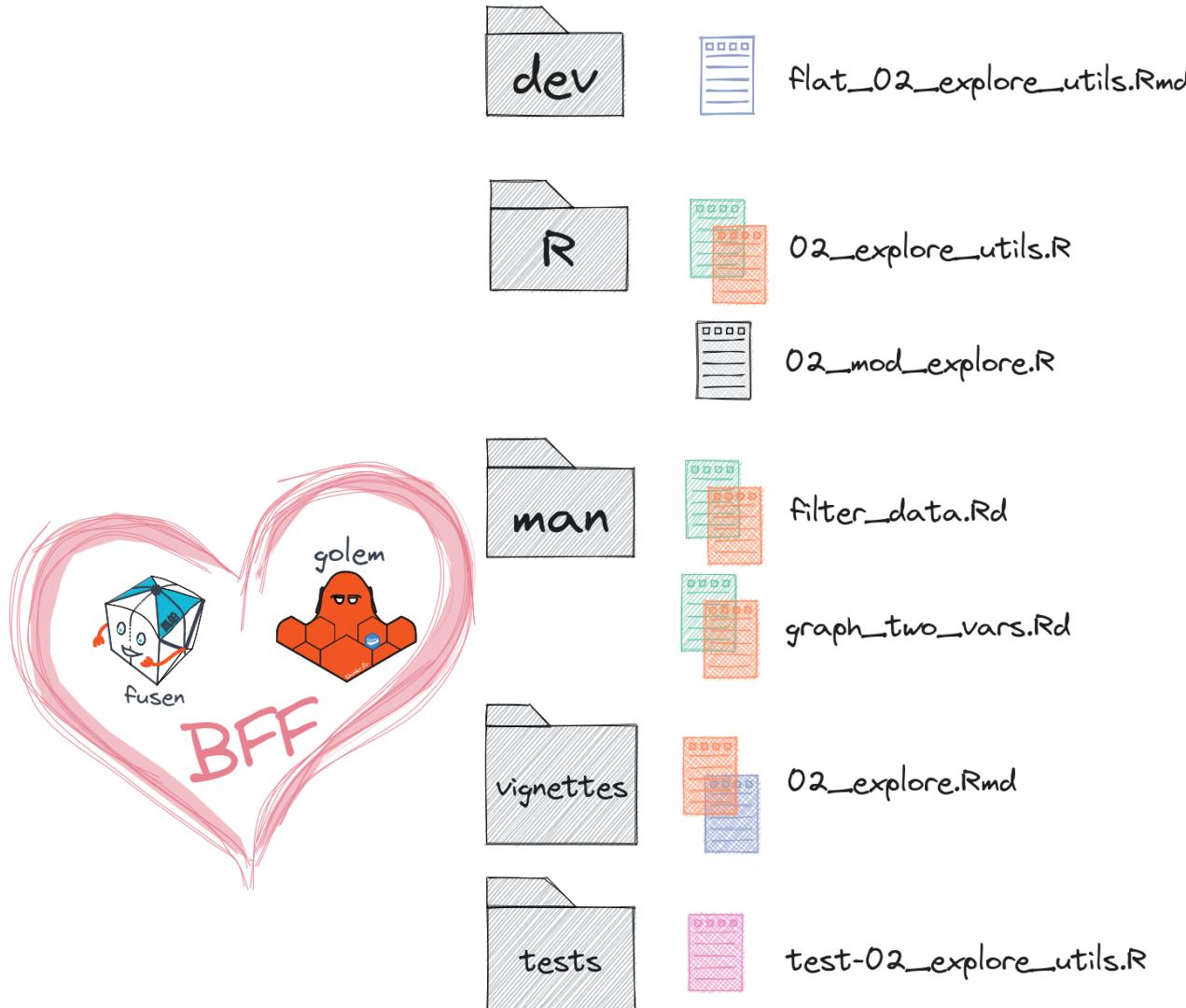


BUSINESS
LOGIC



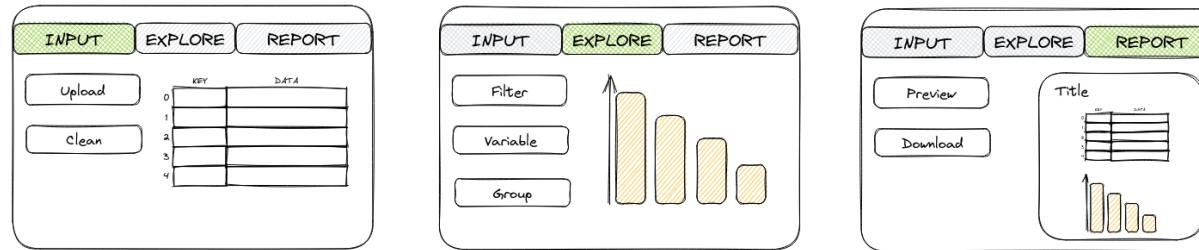
Build your app

Combine UI and business within the {golem} package structure



Tada! A production-ready web application!

Now you can let your imagination run wild



- Deploy the `{pkgdown}` HTML documentation of your package
- Separate Business and UI in two different packages
- Combine the business package with a Plumber API (See `{mariobox}`)

Find out more

- `{fusen}` documentation: <https://thinkr-open.github.io/fusen/>
- `{golem}` documentation: <https://thinkr-open.github.io/golem/>
- `{fusen}` blog posts: <https://rtask.thinkr.fr/fusen/>

