

Interdependent pull requests

Situation

After the contributor submitted a first pull request (**pr1**), and before the maintainer merges it into the source repository, the contributor starts a second pull request (**pr2**) that depends on **pr1**.

The maintainer edits **pr1** and accepts it (squash-merges it into the upstream/master). But **pr2** now is a mess and the contributor must fix it before it can be merged.

pr_init("pr1")



```
Console Terminal x Jobs x
C:/Users/Mauro/git/abc-contributor/
✓ Deleting local 'pr1' branch
> pr_init("pr1")
✓ Checking that local branch 'master' has the changes in 'upstream/master'
✓ Creating local PR branch 'pr1'
✓ Switching to branch 'pr1'
● Use `pr_push()` to create PR
> |
```

New f()

HEAD -> refs/heads/pr2

pr1

C New f()

upstream/master

origin/master

master

M Add README.md

Mauro Lepore <maurolepore@gmail.c> 2019-11-04

fad9ec76

Mauro Lepore <maurolepore@gmail.c> 2019-11-02

7ad3e622

Commits 1-2 of 2

SHA fad9ec76

Author Mauro Lepore <maurolepore@gmail.com>

Date 2019-11-04 17:56

Subject C New f()

Parent 7ad3e622

f.R

f.R

View file @ fad9ec76

@@ -0,0 +1,3 @@

1 f ← function(x) {

2 x

3 }

pr_push()

```
> pr_push()  
✓ Pushing local 'pr1' branch to 'origin:pr1'  
✓ Setting upstream tracking branch for 'pr1' to 'origin/pr1'  
✓ Create PR at link given below  
✓ Opening URL 'https://github.com/maurolepore/abc/compare/pr1'  
>
```



base repository: an-org/abc ▼

base: master ▼



head repository: maurolepore/abc ▼

compare: pr1 ▼

✓ **Able to merge.** These branches can be automatically merged.



Create pull request

Discuss and review the changes in this comparison with others.

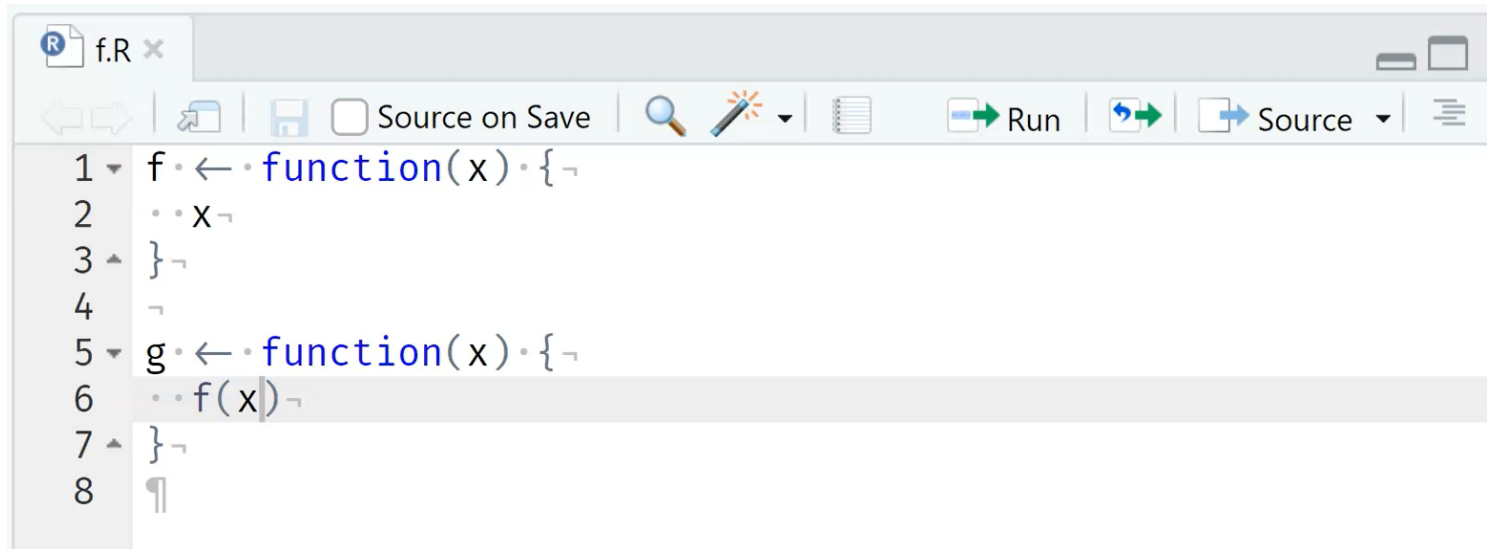
pr_init("pr2")

```
> pr_init("pr2")
✓ Setting active project to 'C:/Users/Mauro/git/abc-contributor'
✓ Checking that local branch 'master' has the changes in 'upstream/master'
Create local PR branch with non-master parent?

1: No
2: Absolutely
3: Absolutely not

Selection: 2
✓ Creating local PR branch 'pr2'
✓ Switching to branch 'pr2'
● Use `pr_push()` to create PR
>
```

New g()



The screenshot shows an RStudio editor window with a file named 'f.R'. The editor contains the following R code:

```
1 f ← function(x) {  
2   x  
3 }  
4  
5 g ← function(x) {  
6   f(x)  
7 }  
8
```

The code defines a function `f` that takes an argument `x` and returns `x`. It then defines a new function `g` that takes an argument `x` and calls `f(x)`. The line `g ← function(x) {` on line 5 is highlighted.

pr_push()

```
> pr_push()  
✓ Pushing local 'pr2' branch to 'origin:pr2'  
✓ Setting upstream tracking branch for 'pr2' to 'origin/pr2'  
✓ Create PR at link given below  
✓ Opening URL 'https://github.com/maurolepore/abc/compare/pr2'  
>
```



base repository: an-org/abc ▼

base: master ▼



head repository: maurolepore/abc ▼

compare: pr2 ▼

✓ **Able to merge.** These branches can be automatically merged.



Create pull request

Discuss and review the changes in this comparison with others.

pr_fetch() (Maintainer)

```
> library(usethis)
> pr_fetch(5)
✓ Checking out PR 'an-org/abc/#5' (@maurolepore): 'C New f()'
✓ Adding remote 'maurolepore' as 'git@github.com:maurolepore/abc.git'
✓ Creating local branch 'maurolepore-pr1'
✓ Setting upstream tracking branch for 'maurolepore-pr1' to 'maurolepore/pr1'
✓ Switching to branch 'maurolepore-pr1'
> |
```

Edit pr1 (Maintainer)

The screenshot displays a GitHub pull request interface. At the top, a commit history table lists three commits by Mauro Lepore. Below this, a navigation bar shows the commit range 'Commits 1-3 of 3'. The main content area shows the diff for two files: `f.R` and `my_f.R`. The `f.R` file is highlighted in red, and the `my_f.R` file is highlighted in green. Both files contain R code defining a function `f` and `my_f` respectively.

Commit	Message	Author	Date	SHA
HEAD -> refs/heads/maurolepore-pr1	M Rename to my_f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	4aab4ff6
maurolepore/pr1	C New f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	fad9ec76
origin/master	M Add README.md	Mauro Lepore <maurolepore@gmail.com>	2019-11-02	7ad3e622

Commits 1-3 of 3

f.R [View file @ 4aab4ff6](#)

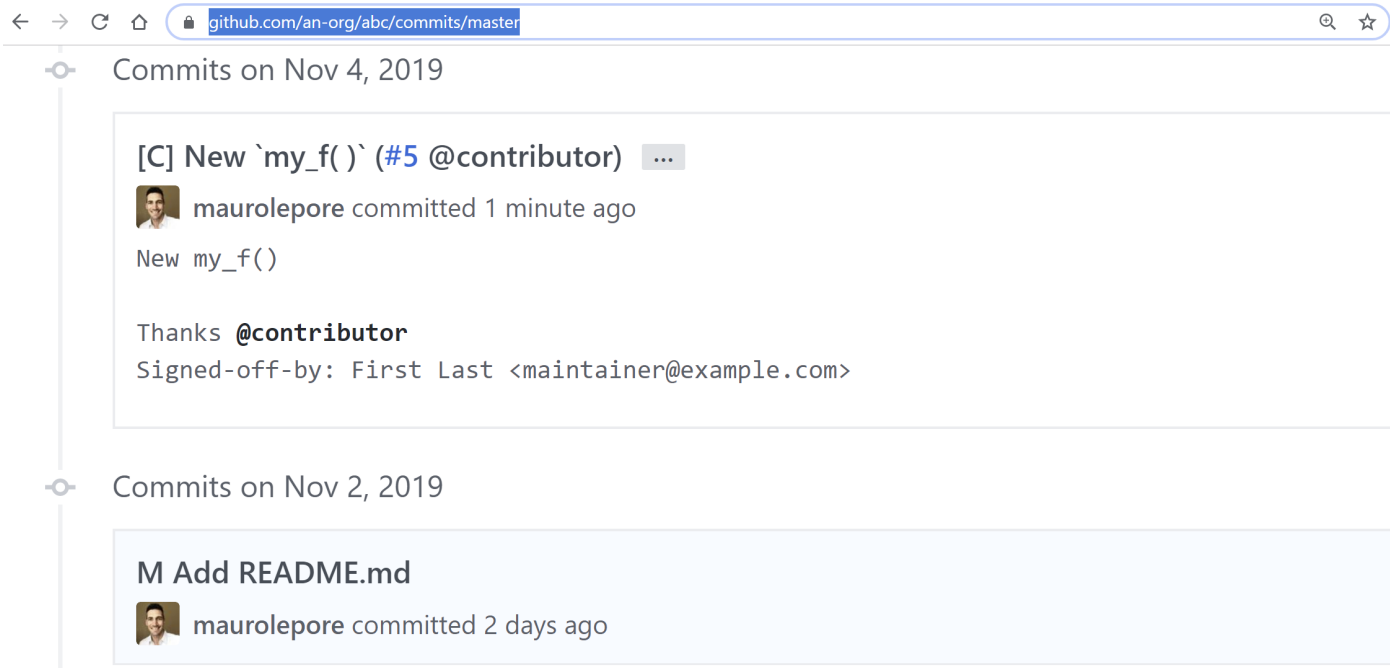
```
@@ -1,3 +0,0 @@
1 f <- function(x) {
2   x
3 }
```

my_f.R [View file @ 4aab4ff6](#)

```
@@ -0,0 +1,3 @@
1 my_f <- function(x) {
2   x
3 }
```

pr_push() (Maintainer)

```
> pr_push()  
✓ Checking that local branch 'maurolepore-pr1' has the changes in 'maurolepore/pr1'  
✓ Pushing local 'maurolepore-pr1' branch to 'maurolepore:pr1'  
✓ View PR at 'https://github.com/an-org/abc/pull/5' or call `pr_view()`  
>
```



The screenshot shows a web browser window with the address bar displaying `github.com/an-org/abc/commits/master`. The page content is organized into sections by date. The top section, titled "Commits on Nov 4, 2019", contains a commit entry: "[C] New `my_f()` (#5 @contributor)" by user `maurolepore`, committed "1 minute ago". The commit message is "New my_f()", and the footer includes "Thanks @contributor" and "Signed-off-by: First Last <maintainer@example.com>". Below this, the section "Commits on Nov 2, 2019" contains a commit entry: "M Add README.md" by user `maurolepore`, committed "2 days ago".

pr_sync()


The screenshot displays the RStudio environment with the following components:

- Source Editor:** Contains a function definition for `my_f` with four lines of code:

```
1 my_f <- function(x) {  
2   x  
3 }  
4
```
- Console:** Shows the execution of `pr_sync()` and `pr_view()` with the following output:

```
> pr_sync()  
✓ Pulling changes from GitHub PR  
✓ Pulling changes from GitHub source repo 'upstream/master'  
✓ Checking that local branch 'pr2' has the changes in 'origin/pr2'  
✓ Pushing local 'pr2' branch to 'origin:pr2'  
✓ View PR at 'https://github.com/an-org/abc/pull/6' or call `pr_view()`  
> pr_view()  
✓ Opening URL 'https://github.com/an-org/abc/pull/6'  
>
```
- Environment Pane:** Lists the files in the current project:
 - ..
 - .git
 - .gitignore
 - .Rhistory
 - .Rproj.user
 - abc.Rproj
 - README.md
 - f.R
 - my_f.R

Fix pr2 then pr_push()



A vertical line of circles representing commit history. The top circle is green and labeled 'HEAD -> refs/heads/pr2'. Below it are several circles, some with colored backgrounds (blue, purple, green) and labels indicating branch changes and commit types.


HEAD -> refs/heads/pr2 C Remove f.R	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	b46358d2
C Edit g() to use my_f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	f05da851
C Move g() to my_f.R	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	65fb41a1
origin/pr2 merge upstream/master	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	c90e31b1
upstream/master [C] New `my_f()` (#5 @contributor)	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	f84d03f5
C New g()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	97540b70
origin/pr1 pr1 C New f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	fad9ec76
origin/master master M Add README.md	Mauro Lepore <maurolepore@gmail.com>	2019-11-02	7ad3e622

```
> pr_push()
✓ Checking that local branch 'pr2' has the changes in 'origin/pr2'
✓ Pushing local 'pr2' branch to 'origin:pr2'
✓ View PR at 'https://github.com/an-org/abc/pull/6' or call `pr_view()`
> |
```

Squash-merge pr2 (Maintainer)

[github.com/an-org/abc/commits/master](#)

New g() (#6 @contributor) ...


 maurolepore committed now

Relates to #5

Thanks @contributor


Signed-off-by: First Last <maintainer@example.com>

[C] New `my_f()` (#5 @contributor) ...

 maurolepore committed 24 minutes ago

Commits on Nov 2, 2019

M Add README.md

 maurolepore committed 2 days ago

pr_finish()

```
Console Terminal x Jobs x
C:/Users/Mauro/git/abc-contributor/
> pr_finish()
✓ Switching back to 'master' branch
✓ Pulling changes from GitHub source repo 'upstream/master'
✓ Deleting local 'pr2' branch
>
```

HEAD -> refs/heads/master	upstream/master	New g() (#6 @contributor)	Mauro Lepore <maurolepore@gmail.c 2019-11-04	a8c63a22
[C] New `my_f()` (#5 @contributor)			Mauro Lepore <maurolepore@gmail.c 2019-11-04	f84d03f5
origin/master	M Add README.md		Mauro Lepore <maurolepore@gmail.c 2019-11-02	7ad3e622

```
Commits 1-3 of 3
my_f.R
@@ -1,3 +1,7 @@
1 1 my_f ← function(x) {
2 2   x
3 3 }
4
5 g ← function(x) {
6   my_f(x)
7 }
```