

**TAREA GIT**

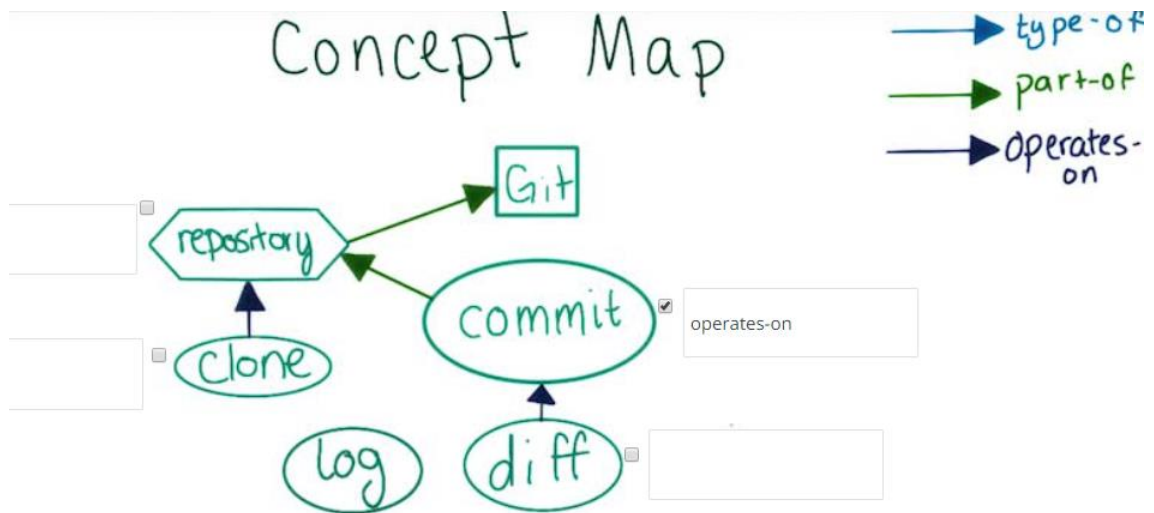
**PRESENTADO POR:  
ISABELLA HERNÁNDEZ OCHOA**

**ASIGNATURA:  
TÉCNICAS Y PRÁCTICAS DE PROGRAMACIÓN**

**PRESENTADO A:  
LUISA F. RINCÓN**

**23 DE MARZO DEL 2020**

# Concept Map



| Original File | Output of <code>diff -u</code> | Final File                    |
|---------------|--------------------------------|-------------------------------|
| A             | ---file.txt                    | <pre> A B \$ C # % E F </pre> |
| B             | +++updated.txt                 |                               |
|               | B                              |                               |
| C             | +\$                            |                               |
| D             | C                              |                               |
| E             | -D                             |                               |
| F             | +#                             |                               |
|               | +%                             |                               |
|               | E                              |                               |

## Git command review

For each action, type the name of the corresponding Git command.

- Compare two commits, printing each line that is present in one commit but not the other.

Git diff

- Make a copy of an entire Git repository, including the history, onto your own computer.

Git clone

- Temporarily reset all files in a repository to their state at the time of a specific commit.

Git checkout

- Show the commits made in a repository, starting with the most recent.

Git log

```
commit 7be5a12f1567866b0d77ccdf2055d1a33831da78
Date:   Fri Jul 11 12:56:26 2014 -0300
```

Add sound for the wing.

```
commit 06d72e1f95f046002ec46f41cf71957227111141
Date:   Wed Jul 9 23:42:55 2014 -0300
```

Add mute button.

```
commit 3d4d45b246aad6a1cd0afaf7cfae26966110727e
Date:   Mon Jul 7 17:35:47 2014 -0300
```

Fix leaderboard button

For this `git log` output, check all the commits you would expect to contain code for a mute button.

- ☒ commit 7be5a12f1567866b0d77ccdf2055d1a33831da78 (the top commit listed)
- ☒ commit 06d72e1f95f046002ec46f41cf71957227111141 (the middle commit listed)
- ☐ commit 3d4d45b246aad6a1cd0afaf7cfae26966110727e (the bottom commit listed)

```
commit 7be5a12f1567866b0d77ccdf2055d1a33831da78
Date:   Fri Jul 11 12:56:26 2014 -0300
```

Add sound for the wing.

```
commit 06d72e1f95f046002ec46f41cf71957227111141
Date:   Wed Jul 9 23:42:55 2014 -0300
```

Add mute button.

```
commit 3d4d45b246aad6a1cd0afaf7cfae26966110727e
Date:   Mon Jul 7 17:35:47 2014 -0300
```

Fix leaderboard button

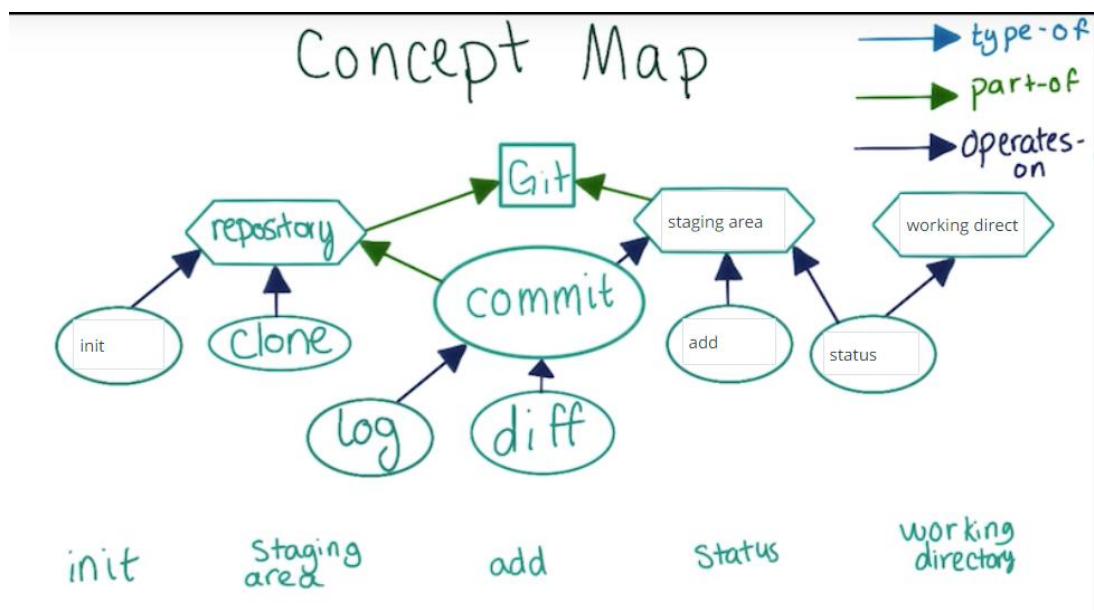
Select the command for which the mute button code lines would be shown as additions.

- ☐ `git diff 7be5a1 06d72e`
- ☐ `git diff 06d72e 7be5a1`
- ☐ `git diff 06d72e 3d4d45`
- ☒ `git diff 3d4d45 06d72e`

## Behavior of `git checkout`

Select when each statement would be true.

|  | Never true            | Sometimes true                   | Always true                      |
|--|-----------------------|----------------------------------|----------------------------------|
| Checking out an earlier commit will change the state of at least one file.                                     | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| Checking out an earlier commit will change the state of more than one file.                                    | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| Checking out an earlier commit will change the state of every file in the repository.                          | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| After checking out a commit, the state of all the files in the repository will be from the same point in time. | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |



What two versions does each form of git diff compare?

Choices: working directory  
staging area  
commit 1  
commit 2



git diff

working directory

staging area

git diff --staged

staging area

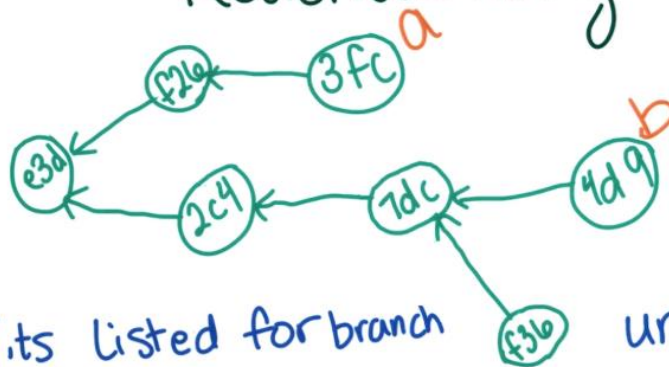
commit 1

git diff commit1 commit2

Commit 1

Commit 2

## Reachability



commits listed for branch

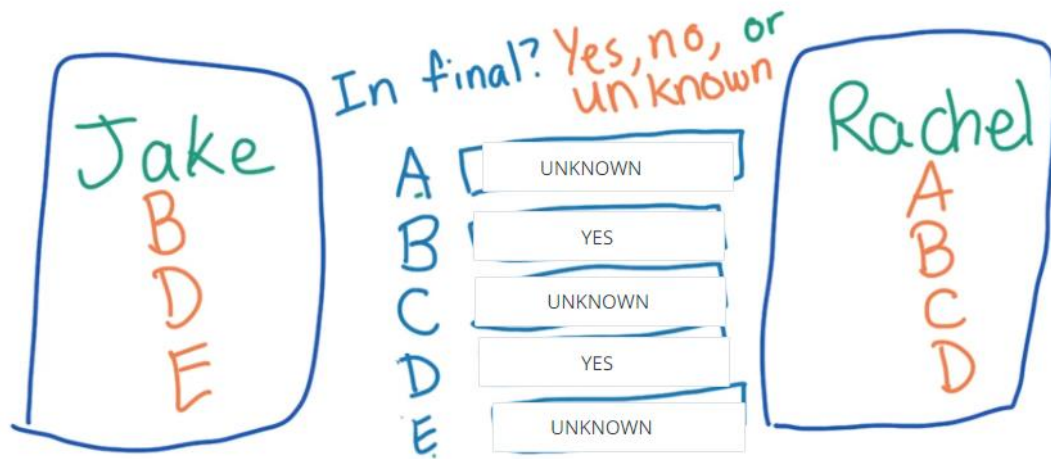
a: [ 3fc, f26, e3d ]

b: [ 4d9, 7dc, 2c4, e3d ]

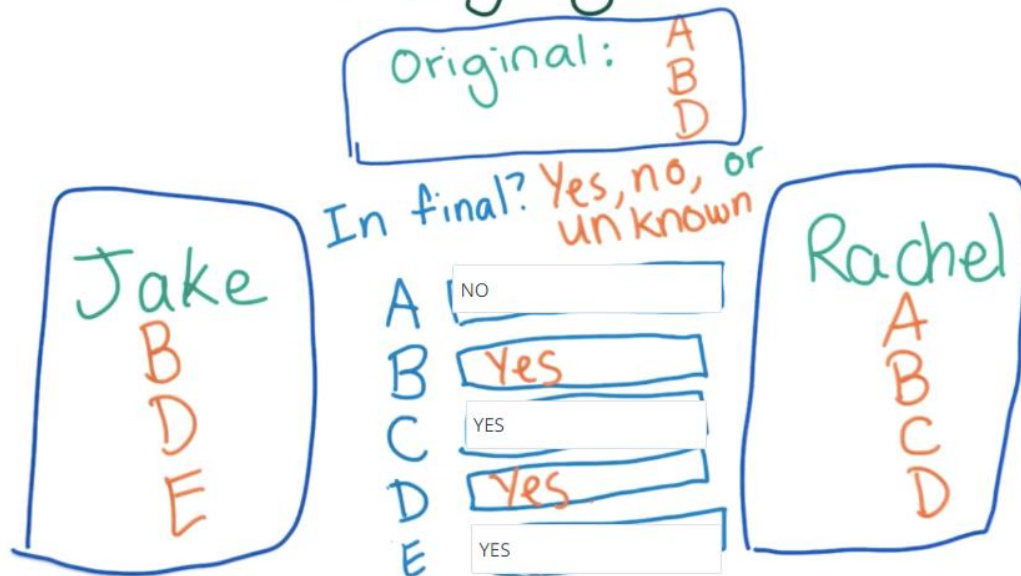
unreachable commits:

[ f36 ]

# Merging files

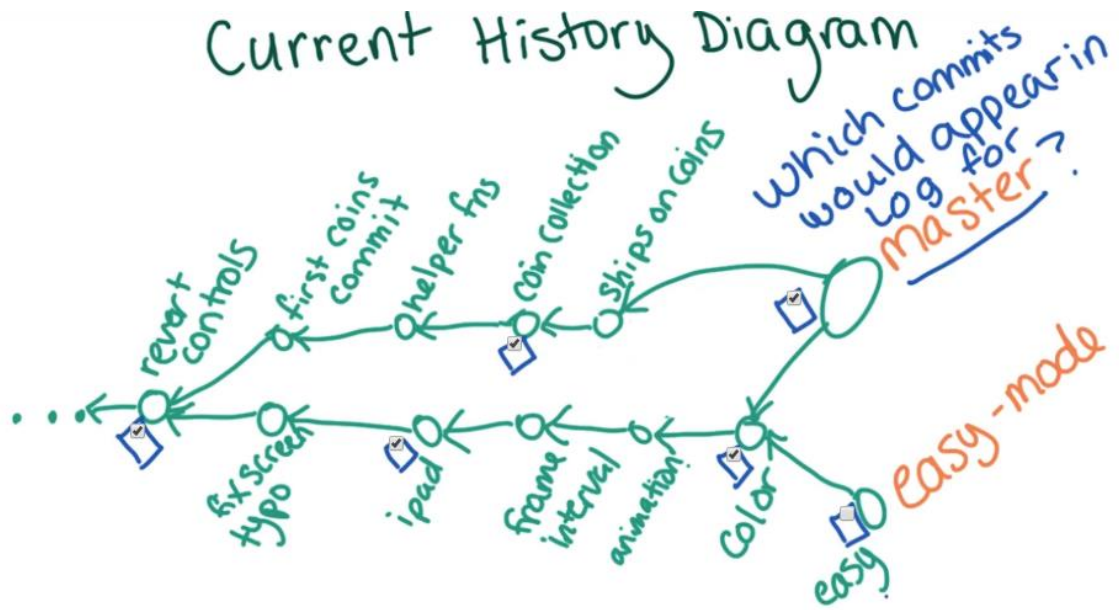


# Merging files

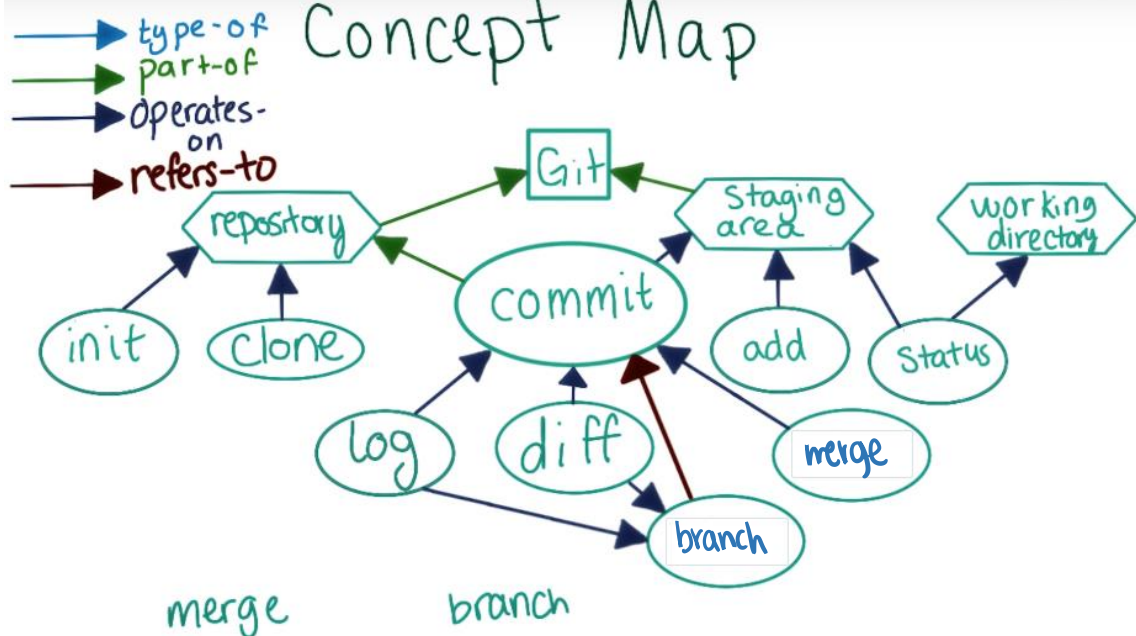




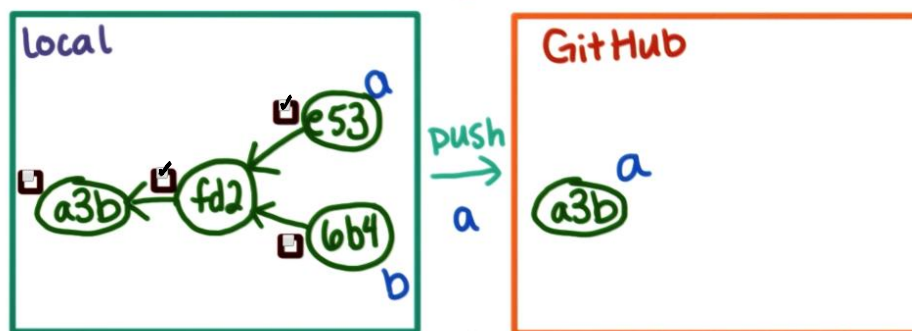
## Current History Diagram



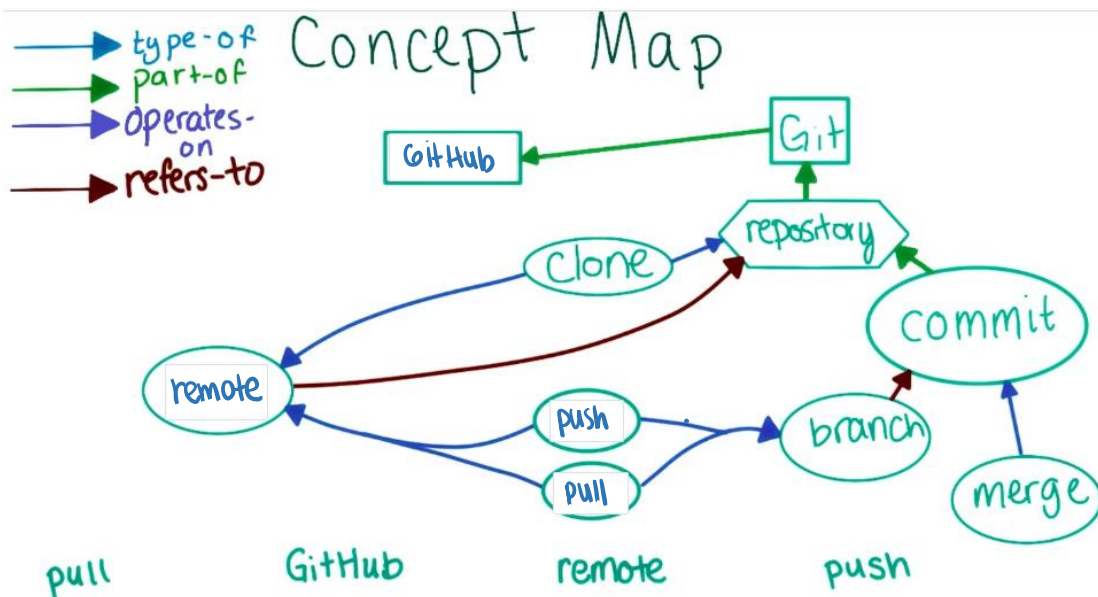
## Concept Map



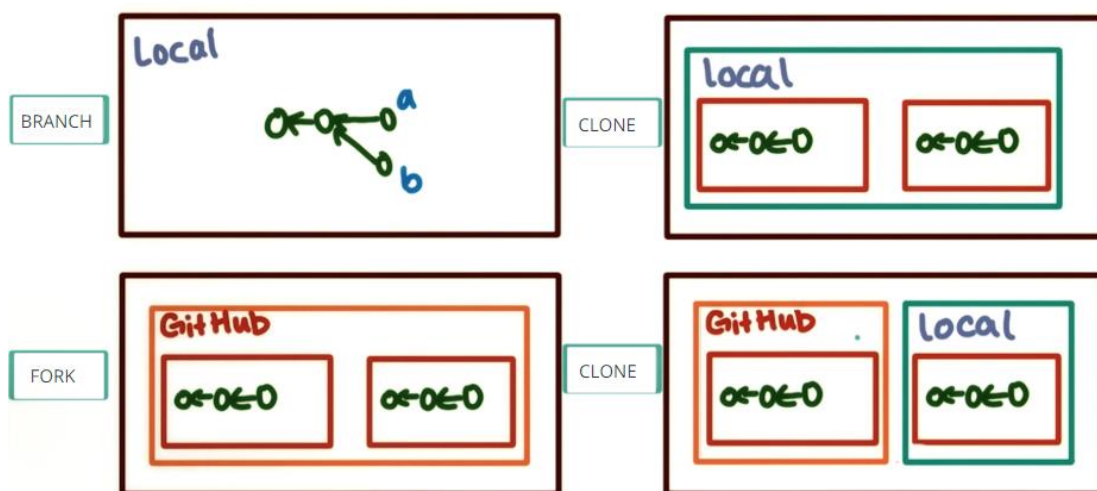
## Syncing Repositories



Check the commits that will be sent



## Clone, Branch, or Fork?



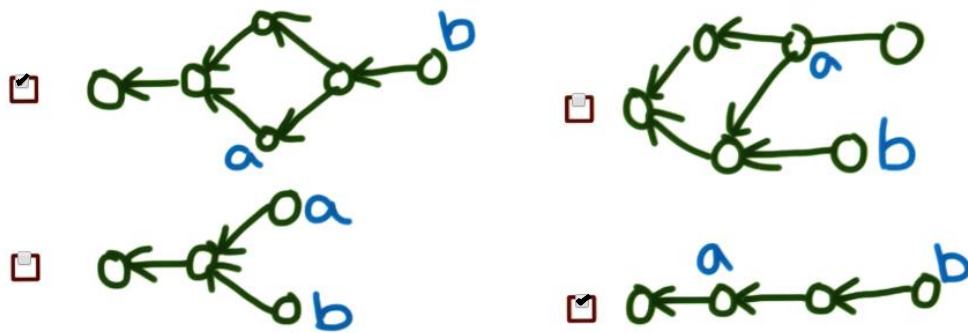
## Where was your commit present?

Right before you ran `git push`, where do you think your commit adding a new recipe was present? Similarly, now that you have run `git push`, where do you think this commit is present? Check all that apply, and remember that it's possible for a commit to be present in a repository both before and after running `git push`.

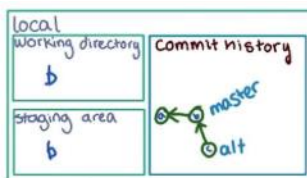
|  | Right before running <code>git push</code> | Right after running <code>git push</code> |
|--|--|---|
| In your local repository (visible via <code>git log</code> )     | <input checked="" type="checkbox"/>        | <input checked="" type="checkbox"/>       |
| On your fork (visible via the commit history on GitHub)          | <input type="checkbox"/>                   | <input checked="" type="checkbox"/>       |
| On Larry's repository (visible via the commit history on GitHub) | <input type="checkbox"/>                   | <input type="checkbox"/>                  |



# Fast-forward Merges



Check if merging **b** into **a** would be a fast-forward



assume these commands are run with local master checked out

## What gets Changed?

|                         | local working directory             | local staging area                  | local master branch                 | GitHub master branch                |
|-------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| edit and save README.md | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| git add README.md       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| git commit              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| git pull                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| origin master           | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| git push                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| origin master           | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| merge alt               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| pull request            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

