



Create a new feature branch

```
git branch initials-feature_name
```

Checkout the new branch

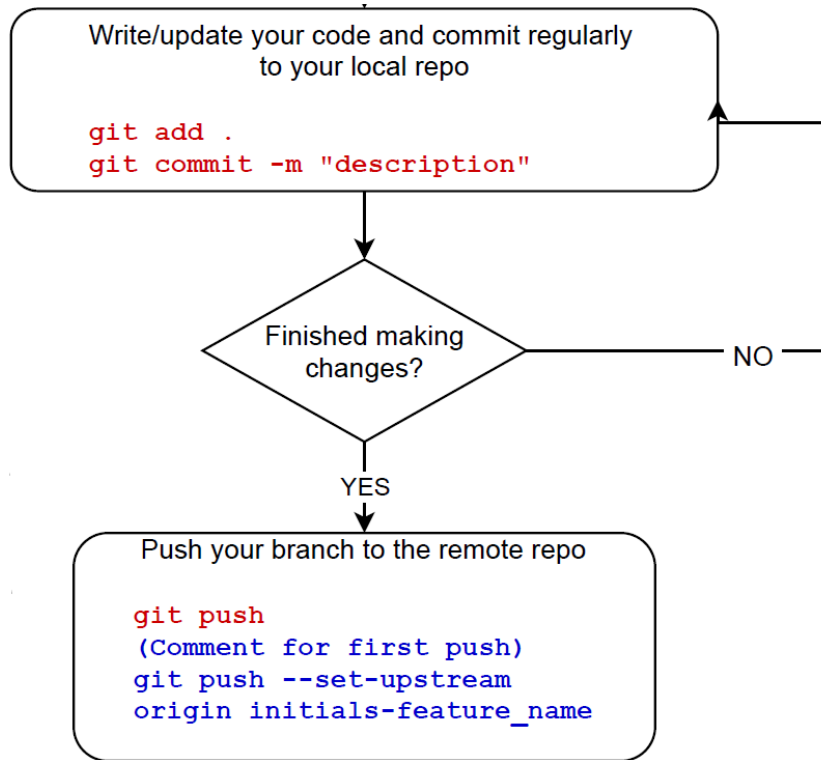
```
git checkout initials-feature_name
```

**Example 1:** student 1 (Jan Janssen) creates a new feature branch *jj-change\_home* and checks out to the new branch to program in it

```
Terminal: Local x Local (2) x +
Microsoft Windows [Version 10.0.17134.1246]
(c) 2018 Microsoft Corporation. Alle rechten voorbehouden.

C:\tmp\HTML5-webbureau-OH010>git branch jj-change_home

C:\tmp\HTML5-webbureau-OH010>git checkout jj-change_home
Switched to branch 'jj-change_home'
```



## Example 1: student 1 (Jan Janssen) updates the code, commits these changes, and pushes the branch `jj-change_home` to the remote repo on GitHub

```
Terminal: Local x Local (2) x +
C:\tmp\HTML5-webbureau-OH010>git status
On branch jj-change_home
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

   modified:   dist/index.html
   modified:   package-lock.json

no changes added to commit (use "git add" and/or "git commit -a")
C:\tmp\HTML5-webbureau-OH010>git add .
C:\tmp\HTML5-webbureau-OH010>git commit -m "first changes"
[jj-change_home 9e02f7a] first changes
 2 files changed, 3 insertions(+), 3 deletions(-)
C:\tmp\HTML5-webbureau-OH010>git push
fatal: The current branch jj-change_home has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin jj-change_home
C:\tmp\HTML5-webbureau-OH010>git push --set-upstream origin jj-change_home
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 563 bytes | 187.00 KiB/s, done.
Total 5 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
remote:
remote: Create a pull request for 'jj-change_home' on GitHub by visiting:
remote: https://github.com/itfactory-tm/HTML5-webbureau-OH010/pull/new/jj-change\_home
remote:
To https://github.com/itfactory-tm/HTML5-webbureau-OH010.git
 * [new branch]      jj-change_home -> jj-change_home
Branch 'jj-change_home' set up to track remote branch 'jj-change_home' from 'origin'.
```

Go to GitHub site and click on  
**"New pull request"**

**Example 1:** student 1 (Jan Janssen) makes a new pull request on GitHub for the branch `jj-change_home`

The screenshot shows a web browser window displaying the GitHub repository page for `itfactory-tm/HTML5-webbureau-OHO10`. The page features a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. A prominent banner at the top encourages users to "Learn Git and GitHub without any code!" with a "Read the guide" button. Below the banner, the repository's metadata is shown, including 1 watch, 0 stars, and 0 forks. The main content area displays the repository's structure, including 2 commits, 2 branches, 0 packages, 0 releases, and 1 contributor. A section titled "Your recently pushed branches:" lists the branch `jj-change_home` (pushed 1 minute ago), with a red box highlighting the "Compare & pull request" button next to it. At the bottom, a table lists the repository's files and their commit history.

File	Commit	Time
jkwadraat Update README.md	Latest commit 59c5335	20 days ago
dist	first commit	21 days ago
.gitignore	first commit	21 days ago
README.md	Update README.md	20 days ago
gulpfile.js	first commit	21 days ago

Go to GitHub site and click on  
**"New pull request"**

**Example 1:** student 1 (Jan Janssen) makes a new pull request on GitHub for the branch `jj-change_home`  
A reviewer (student 2 = Patrick Verhaert) can be added → mail is sent

Comparing master...jj-change\_ho x +

github.com/itfactory-tm/HTML5-webbureau-OHO10/compare/jj-change\_home?expand=1

itfactory-tm / HTML5-webbureau-OHO10 Private

Watch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: master ← compare: jj-change\_home ✓ Able to merge. These branches can be automatically merged.

<J> first changes

Write Preview AA B i “ <> @

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Reviewers

pverhaert

At least 1 approving review is required to merge this pull request.

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Linked issues

Use [Closing keywords](#) in the description to automatically close issues

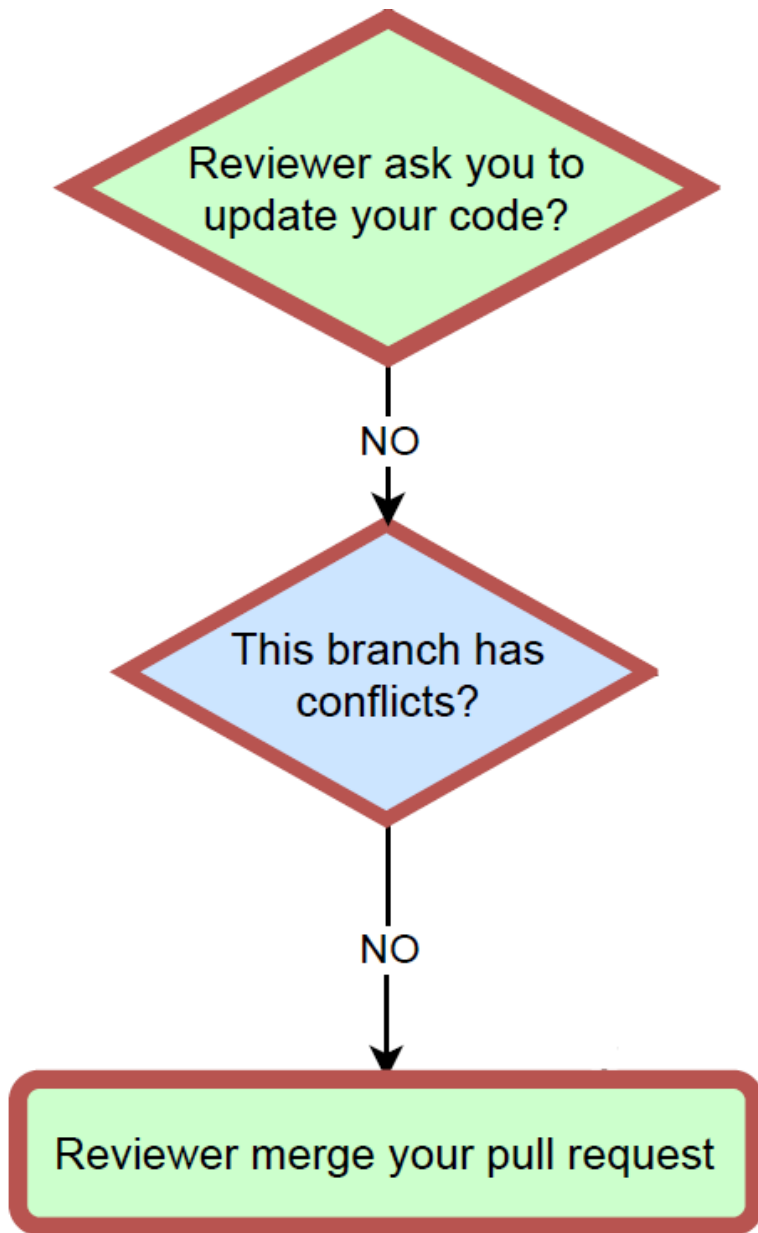
Helpful resources

[GitHub Community Guidelines](#)

Go to GitHub site and click on  
"New pull request"

**Example 1:** student 1 (Jan Janssen) makes a new pull request on GitHub for the branch `jj-change_home`

The screenshot shows a GitHub pull request page for a repository named 'itfactory-tm/HTML5-webbureau-OHO10'. The pull request is titled 'first changes #1' and is currently open. It shows a commit from the 'jj-change\_home' branch being merged into the 'master' branch. The pull request has 1 commit and 2 files changed. A comment from 'jkwadraat' is visible, stating 'No description provided.' The pull request is in a state where merging is blocked because at least 1 approving review is required. The 'Reviewers' section shows 'pverhaert' as a pending reviewer. The 'Assignees' section shows 'No one—assign yourself'. The 'Labels' section shows 'None yet'. The 'Projects' section shows 'None yet'. The 'Milestone' section shows 'No milestone'. The 'Linked issues' section is also visible. The page includes navigation tabs for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The URL in the browser is 'github.com/itfactory-tm/HTML5-webbureau-OHO10/pull/1'.



**Example 1:** student 2 (Patrick Verhaert) reviews/approves the pull request for the branch *jj-change\_home* on GitHub

Content of mail:

You can view, comment on, or merge this pull request online at:

<https://github.com/itfactory-tm/HTML5-webbureau-OHO10/pull/1>

**Commit Summary**

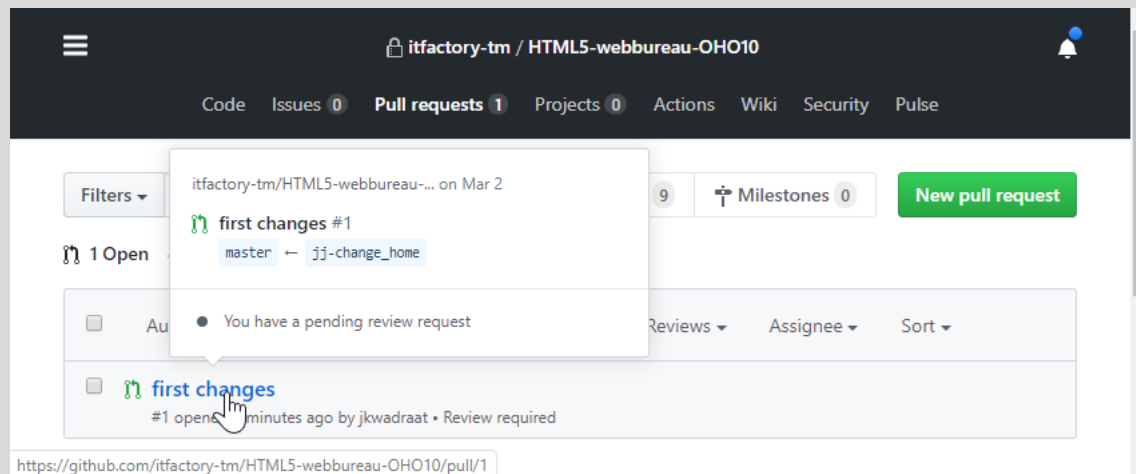
- first changes

**File Changes**

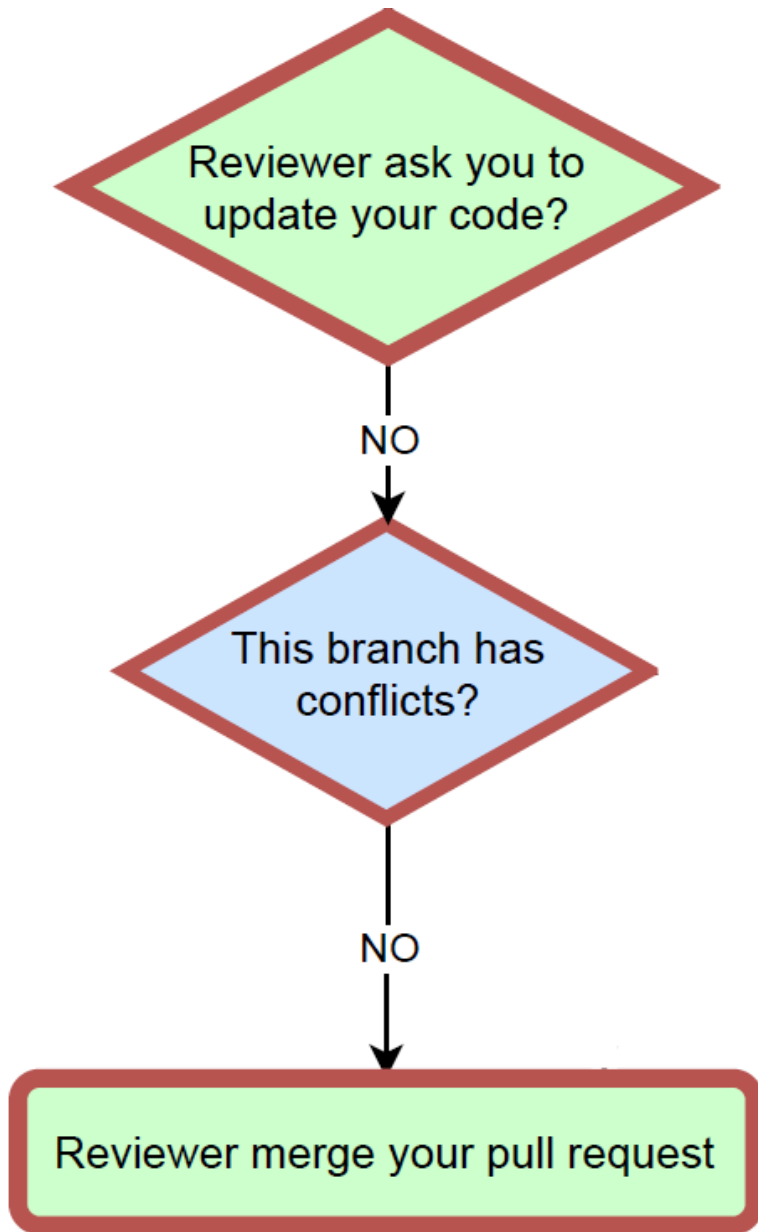
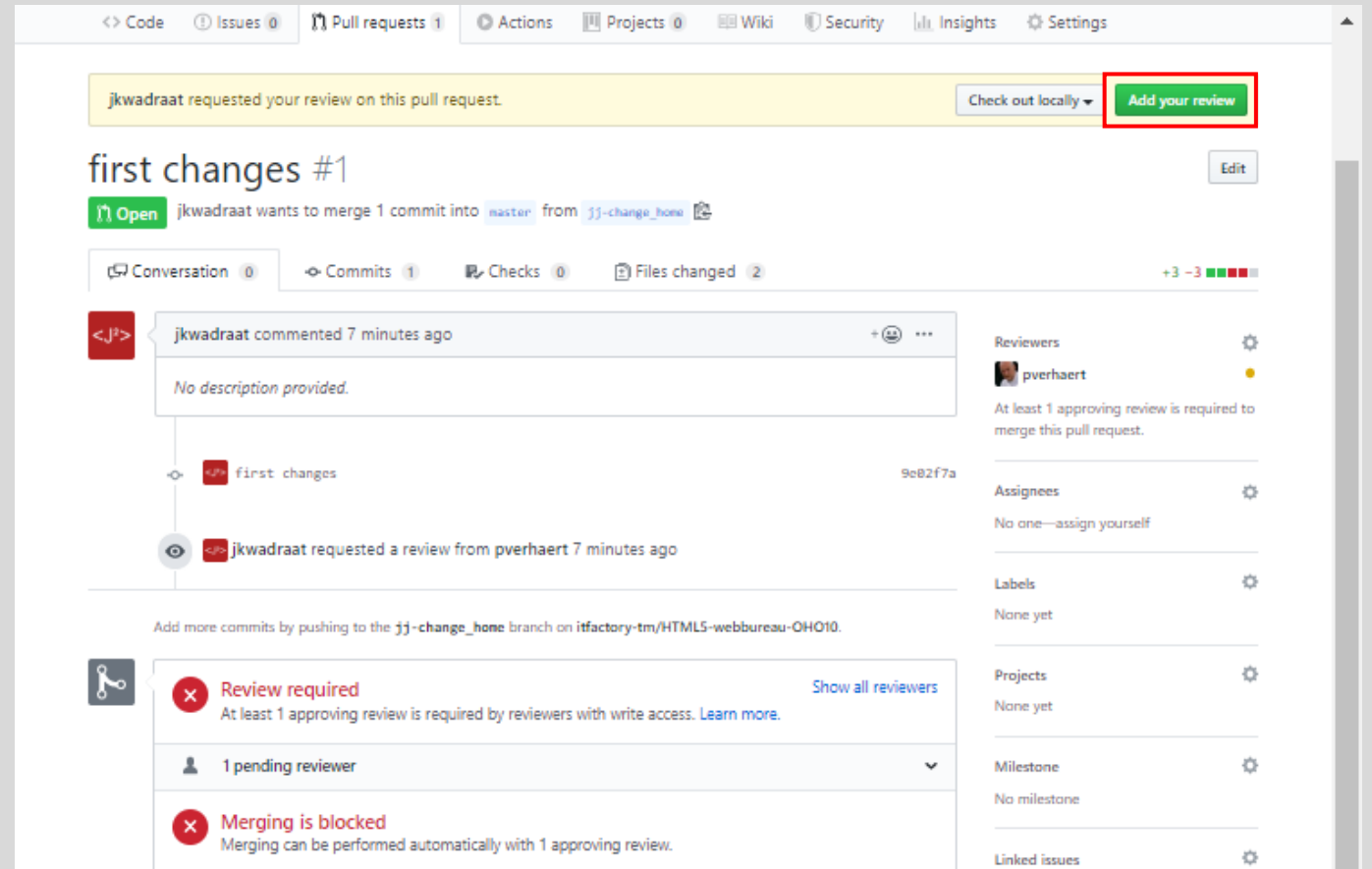
- M [dist/index.html](#) (4)
- M [package-lock.json](#) (2)

**Patch Links:**

GitHub-site:

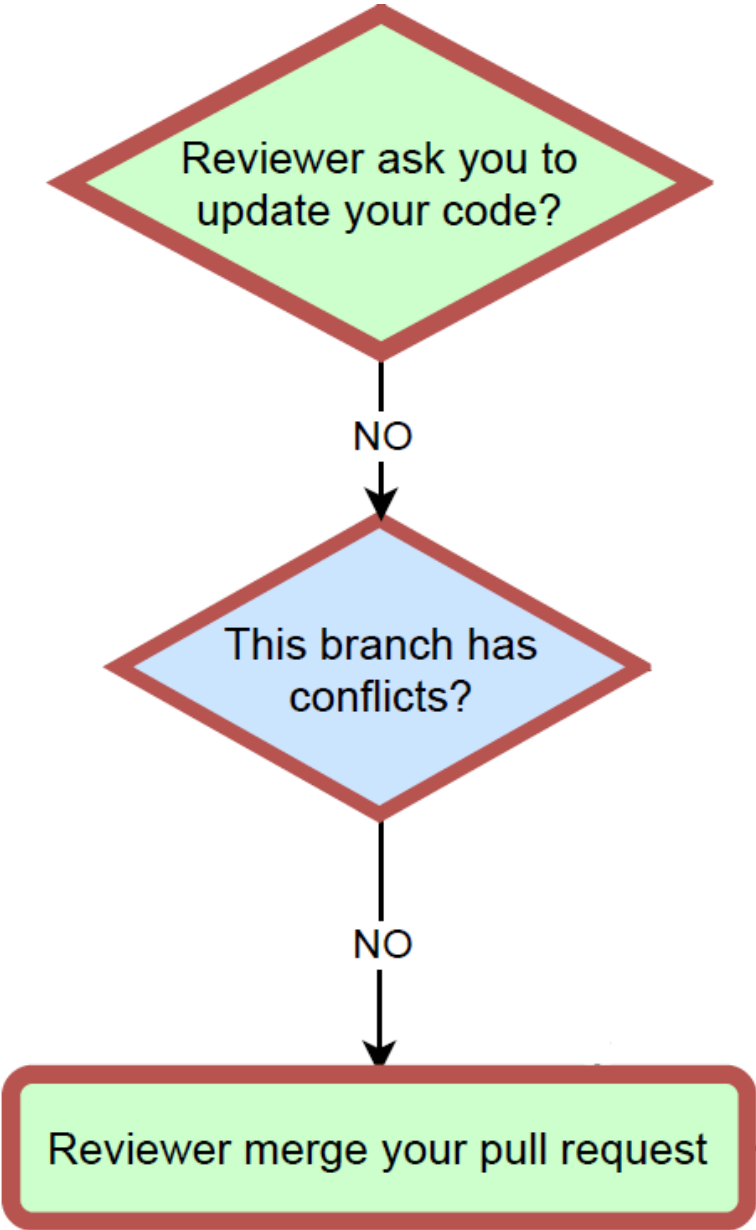


**Example 1:** student 2 (Patrick Verhaert) reviews/approves the pull request for the branch `jj-change_home` on GitHub





**Example 1:** student 2 (Patrick Verhaert) reviews/approves the pull request for the branch *jj-change\_home* on GitHub

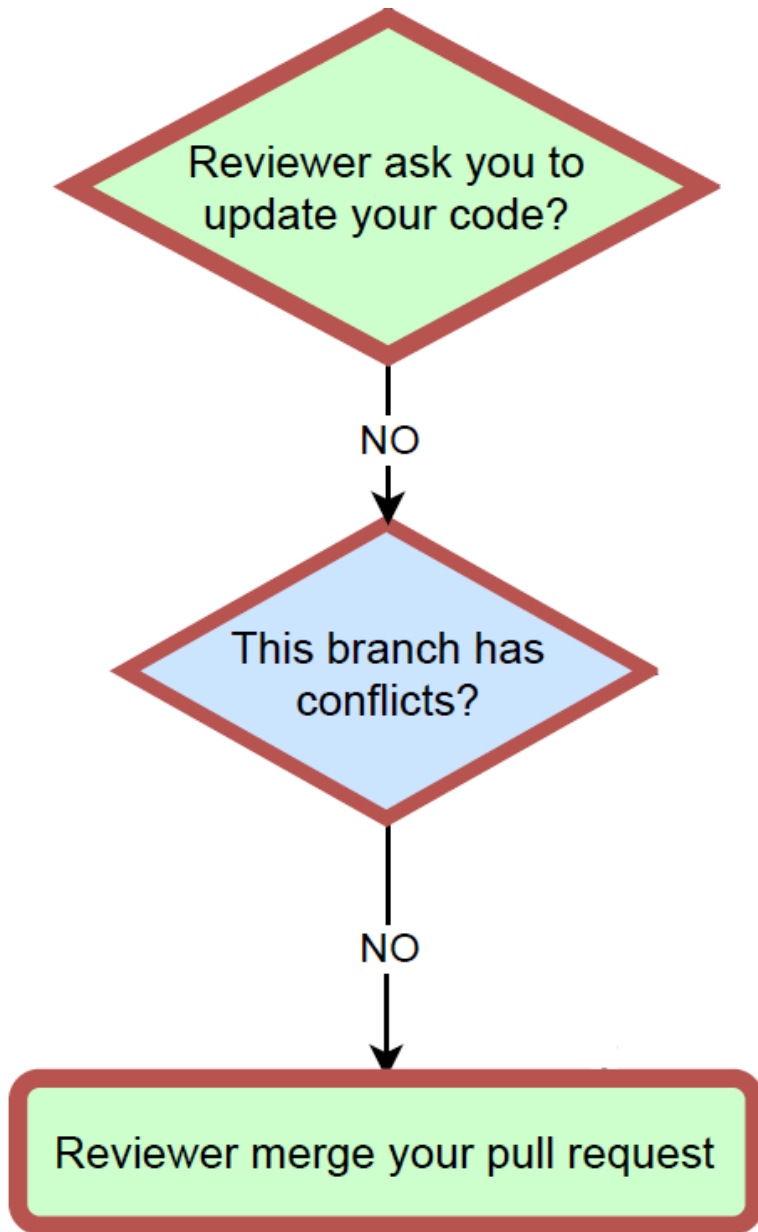


The screenshot shows a GitHub pull request page for repository `itfactory-tm / HTML5-webbureau-OHO10`. The pull request is titled "first changes #1" and is from branch `jj-change_home` to `master`. The interface shows a diff view for `dist/index.html` and `package-lock.json`. A red box highlights the "Review changes" dropdown menu, which is open to show the following options:

- Comment: Submit general feedback without explicit approval.
- Approve: Submit feedback and approve merging these changes.
- Request changes: Submit feedback that must be addressed before merging.

A green "Submit review" button is visible at the bottom of the dropdown menu, with a hand cursor pointing to it.

**Example 1:** after the review, student 2 (Patrick Verhaert) can merge the (pull request for the) branch *jj-change\_home* with the master branch on GitHub



first changes #1

Open jkwadraat wants to merge 1 commit into master from jj-change\_home

Conversation 2 Commits 1 Checks 0 Files changed 2 +3 -3

jkwadraat commented 12 minutes ago

No description provided.

first changes 9e02f7a

jkwadraat requested a review from pverhaert 12 minutes ago

pverhaert approved these changes now

View changes

pverhaert left a comment

Ok

Add more commits by pushing to the jj-change\_home branch on itfactory-tm/HTML5-webbureau-OHO10.

Changes approved

1 approving review by reviewers with write access. Learn more.

1 approval

This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also open this in GitHub Desktop or view command line instructions.

Write Preview

AA B i “ <> ↺ ⋮ ☰ ⋮ @ 📎 ↶

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Close pull request Comment

Reviewers

pverhaert

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Linked issues

Successfully merging this pull request may close these issues.

None yet

Notifications

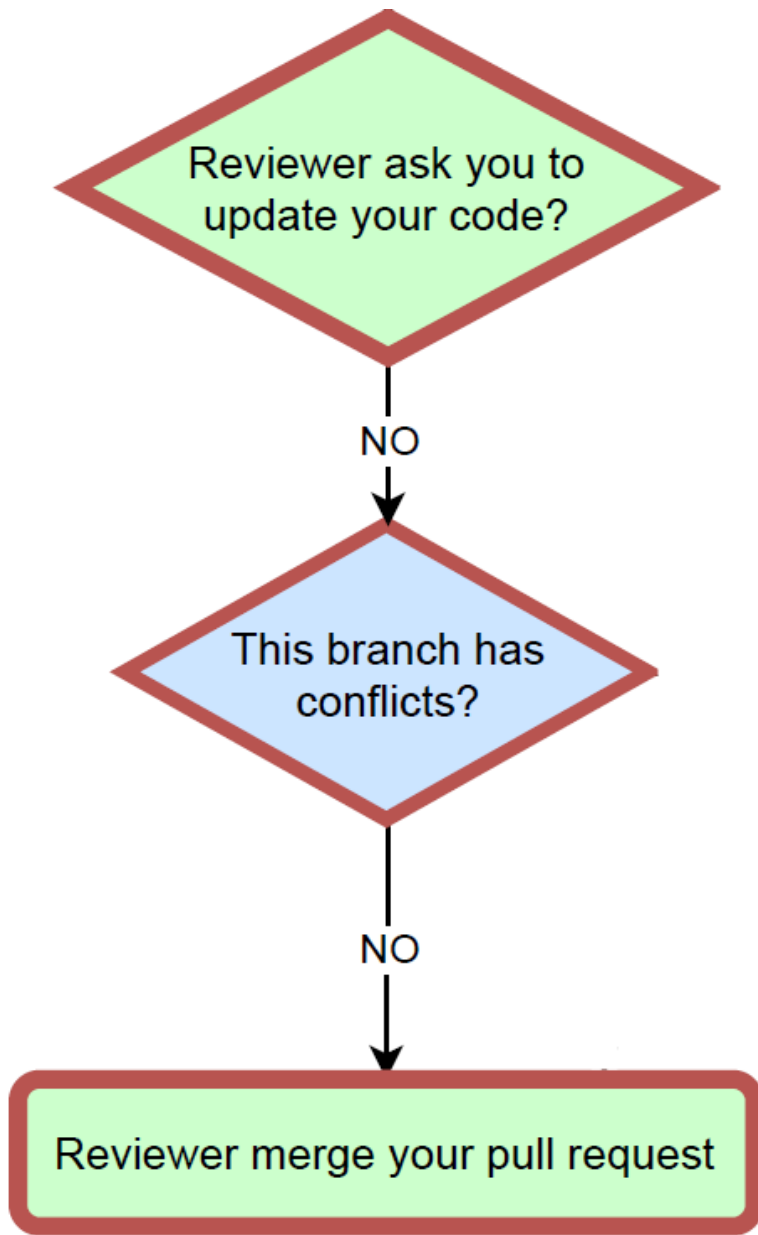
Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

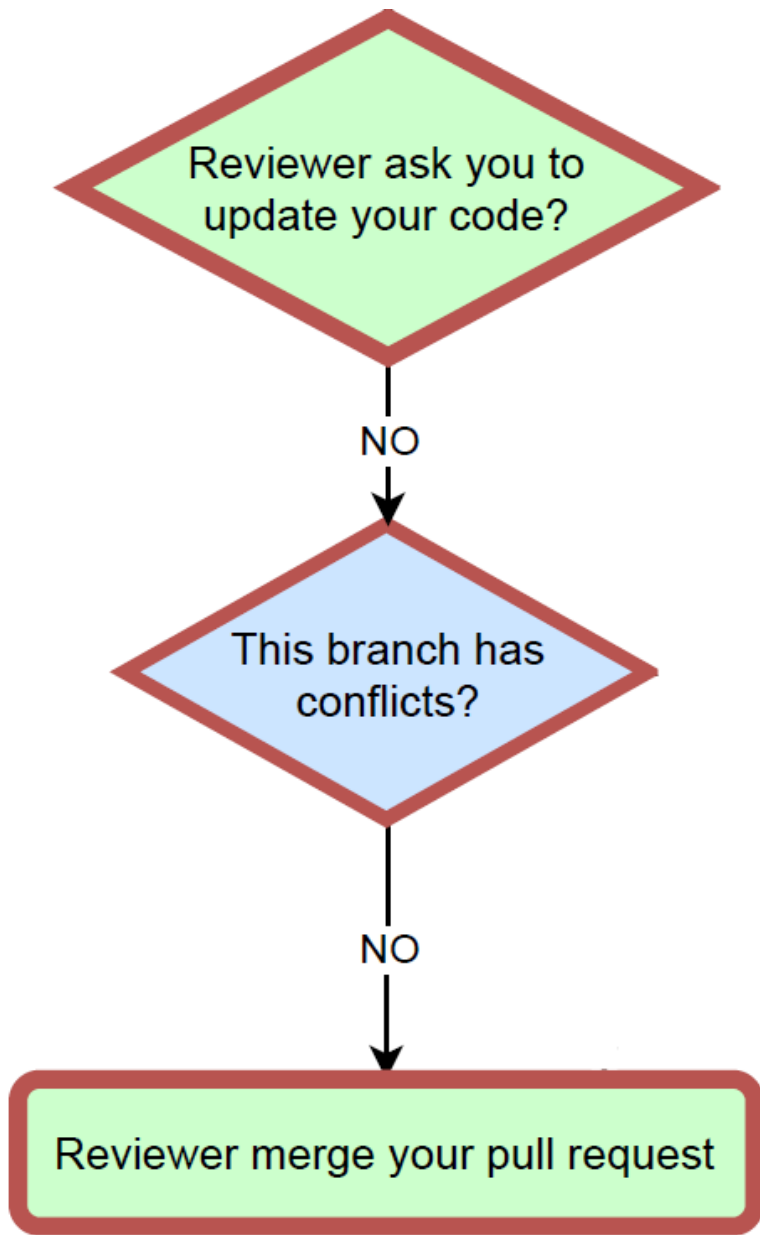
2 participants

Lock conversation



**Example 1:** after the review, student 2 (Patrick Verhaert) can merge the (pull request for the) branch *jj-change\_home* with the master branch on GitHub

The screenshot shows a GitHub pull request titled "first changes #1". The pull request is from the branch "jj-change\_home" to the "master" branch. The pull request is in a state where it can be merged. The "Merge pull request" button is highlighted with a red box. The interface shows a conversation with a reviewer (pverhaert) who has approved the changes. The pull request is titled "first changes" and has a commit hash of "9e02f7a". The pull request is from the user "jkwadraat" and is being reviewed by "pverhaert". The pull request is in a state where it can be merged. The "Merge pull request" button is highlighted with a red box. The interface shows a conversation with a reviewer (pverhaert) who has approved the changes. The pull request is titled "first changes" and has a commit hash of "9e02f7a". The pull request is from the user "jkwadraat" and is being reviewed by "pverhaert". The pull request is in a state where it can be merged. The "Merge pull request" button is highlighted with a red box.



**Example 1:** after the review, student 2 (Patrick Verhaert) can merge the (pull request for the) branch `jj-change_home` with the master branch on GitHub

first changes #1

Merged pverhaert merged 1 commit into master from jj-change\_home 16 seconds ago

Conversation 2 Commits 1 Checks 0 Files changed 2 +3 -3

jkwadmaat commented 14 minutes ago  
No description provided.

first changes  
9c82f7a

jkwadmaat requested a review from pverhaert 14 minutes ago

pverhaert approved these changes 2 minutes ago  
View changes

pverhaert left a comment  
Ok

pverhaert merged commit cbff874 into master 16 seconds ago  
Revert

Pull request successfully merged and closed  
You're all set—the jj-change\_home branch can be safely deleted.  
Delete branch

Reviewers: pverhaert ✓

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

Linked issues: Successfully merging this pull request may close these issues. None yet

Notifications: Unsubscribe

# CONTENT

Example 1: without conflict

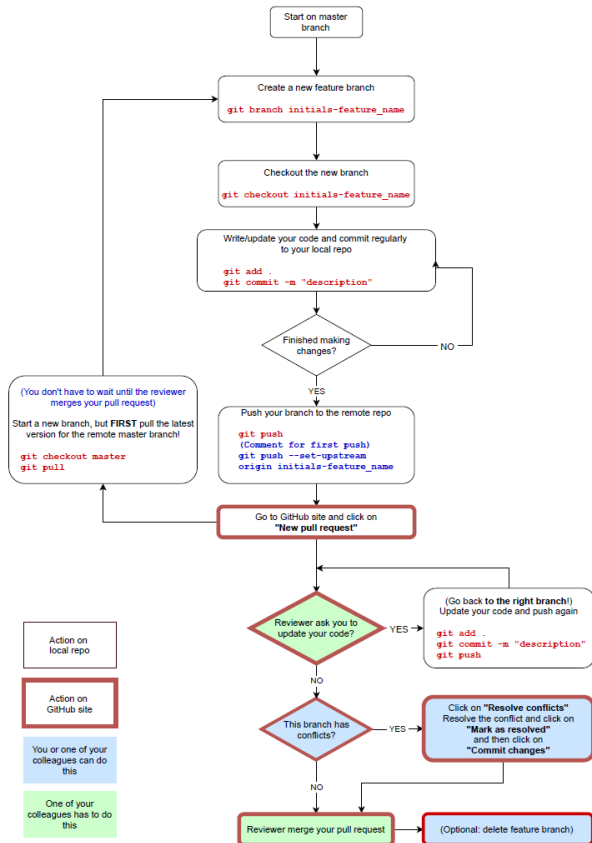
Example 2: with conflict

## Situation

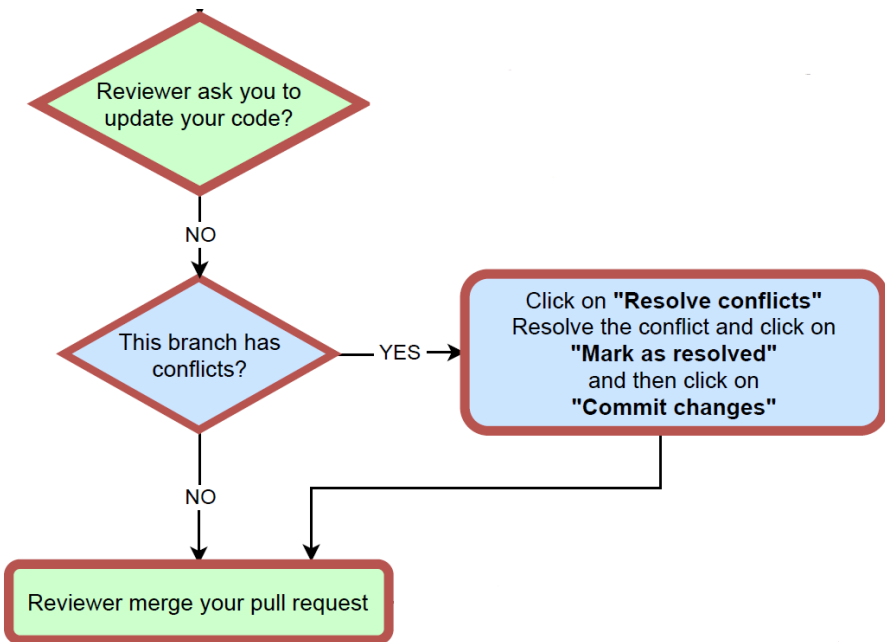
Student 2 (Patrick Verhaert) pushed feature branch *pv-update-footer* and made a pull request

Student 1 (Jan Janssen) approved the changes in the code review

The branch *pv-update-footer* can't be merged with the master branch on GitHub due to (a) conflict(s) ...







**Example 2:** GitHub highlights the conflict using the markers <<<<<<<, ===== and >>>>>>>

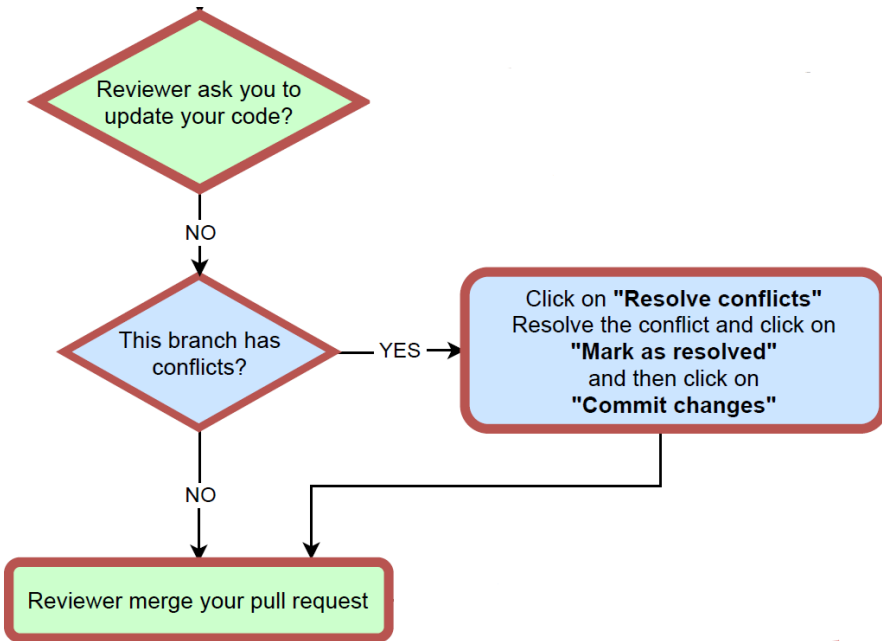
First the version from the feature branch *pv-update-footer* is shown, followed by the version from the master branch

```

index.html
dist/index.html

217     </div>
218     <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusamus, explicabo iusto? Adipisci ali
219     autem, cupiditate doloremque enim id nulla numquam quae quasi, qui quidem tempore vel, veniam vol
220     voluptatibus!</p>
221   </div>
222 </section>
223
224 <!-- Footer -->
225 <footer class="footer text-center">
226   <div class="container">
227     <ul class="list-inline mb-5">
228       <li class="list-inline-item">
229         <a class="social-link rounded-circle text-white mr-3" href="#">
230           <i class="icon-social-facebook"></i>
231         </a>
232       </li>
233       <li class="list-inline-item">
234         <a class="social-link rounded-circle text-white mr-3" href="#">
235           <i class="icon-social-twitter"></i>
236         </a>
237       </li>
238       <li class="list-inline-item">
239         <a class="social-link rounded-circle text-white" href="#">
240           <i class="icon-social-github"></i>
241         </a>
242       </li>
243     </ul>
244     <<<<<< pv-update-footer
245     <p class="text-muted small mb-0">Copyright &copy; webbureau JJ &amp; PV</p>
246     |=====
247     <p class="text-muted small mb-0">Copyright &copy; Jan Janssen &amp; Patrick Verhaert - 2020</p>
248     >>>>>> master
249   </div>
250 </footer>
251
252 <!-- Scroll to Top Button-->
253 <a class="scroll-to-top rounded js-scroll-trigger" href="#page-top">
254   <i class="fas fa-angle-up"></i>
255 </a>
256
257 <!-- JS: jQuery, Bootstrap, stylish portfolio -->
258 <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
259 <script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.4.1/js/bootstrap.bundle.min.js"></scr
260 <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-easing/1.4.1/jquery.easing.js"></script>
261 <script src="js/stylish-portfolio.min.js"></script>
262
263 </body>
264
265 </html>
266
  
```

## Example 2: student 1 (Jan Janssen) resolves the conflict (removes the markers <<<<<<, ===== and >>>>>>)



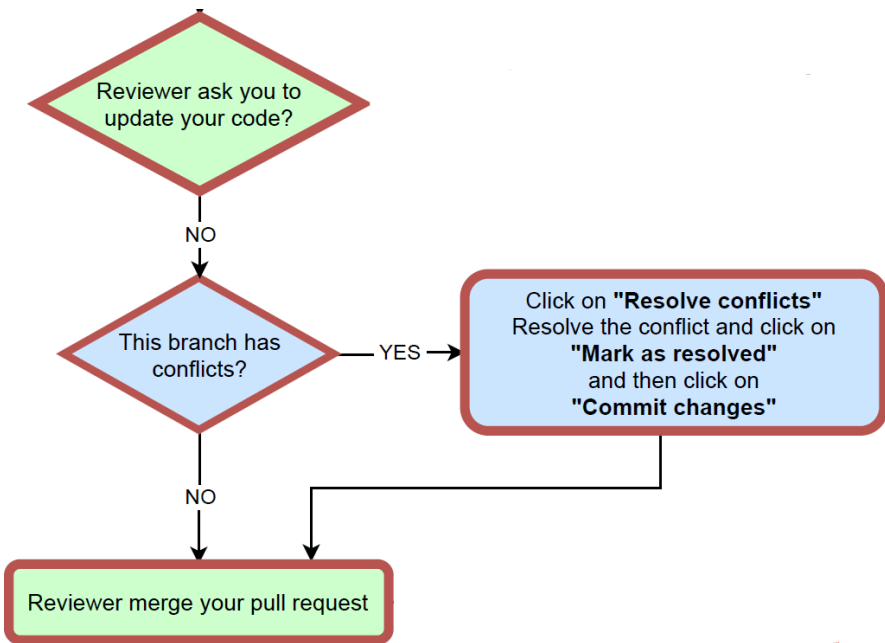
```
index.html
dist/index.html

213 <div class="container text-center">
214 <div class="content-section-heading text-center">
215 <h3 class="text-secondary mb-0">Contact</h3>
216 <h2 class="mb-5">Contact us</h2>
217 </div>
218 <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusamus, explicabo iusto? Adipisci ali
219 autem, cupiditate doloremque enim id nulla numquam quae quasi, qui quidem tempore vel, veniam vol
220 voluptatibus!</p>
221 </div>
222 </section>
223
224 <!-- Footer -->
225 <footer class="footer text-center">
226 <div class="container">
227 <ul class="list-inline mb-5">
228 <li class="list-inline-item">
229 <a class="social-link rounded-circle text-white mr-3" href="#">
230 <i class="icon-social-facebook"></i>
231 </a>
232 </li>
233 <li class="list-inline-item">
234 <a class="social-link rounded-circle text-white mr-3" href="#">
235 <i class="icon-social-twitter"></i>
236 </a>
237 </li>
238 <li class="list-inline-item">
239 <a class="social-link rounded-circle text-white" href="#">
240 <i class="icon-social-github"></i>
241 </a>
242 </li>
243 </ul>
244 <p class="text-muted small mb-0">Copyright &copy; JJ &amp; PV - 2020</p>
245 </div>
246 </footer>
```

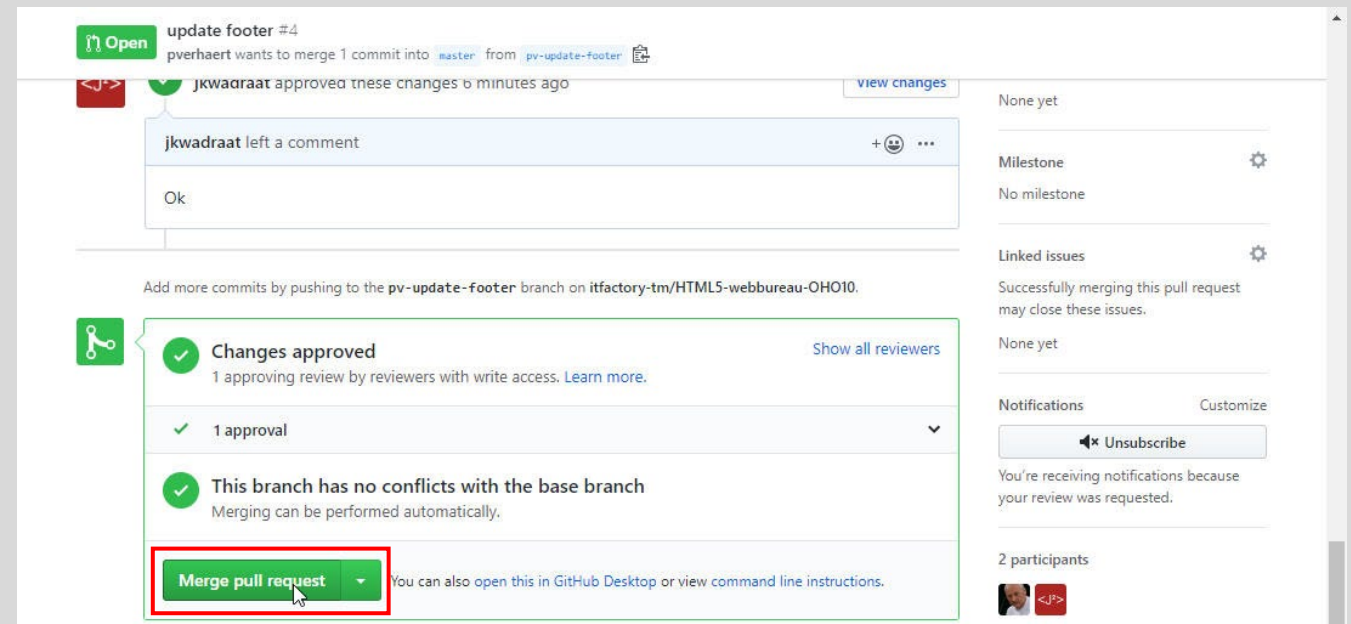
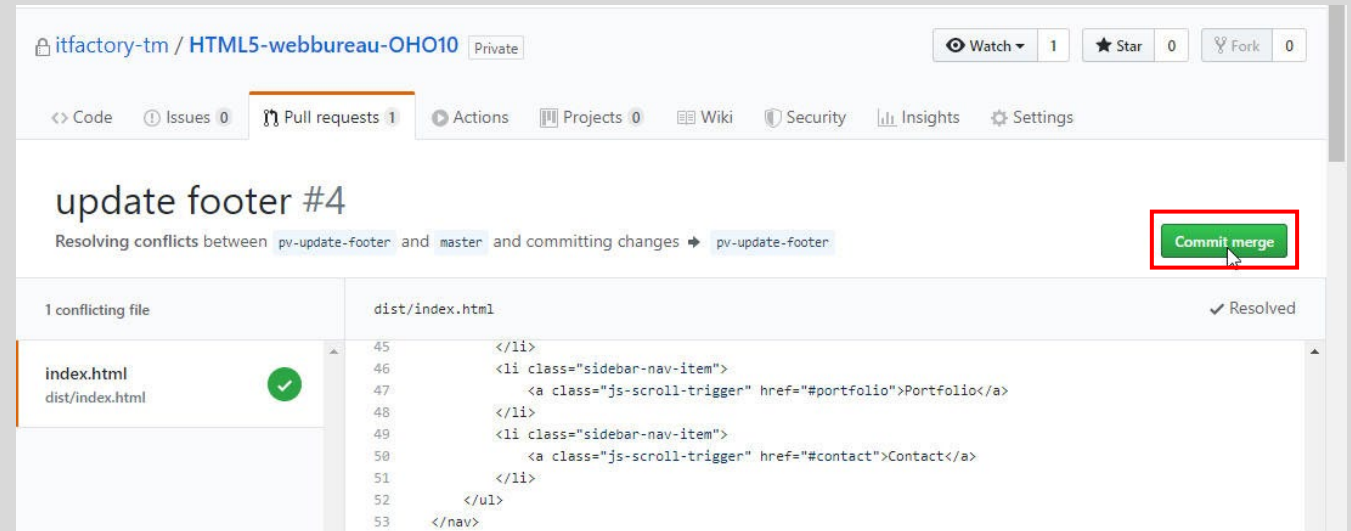
The screenshot shows a code editor with HTML code. A red box highlights line 244, which contains the text: `<p class="text-muted small mb-0">Copyright &copy; JJ &amp; PV - 2020</p>`. The code is surrounded by conflict resolution markers: `<<<<<<` on the left and `>>>>>>` on the right.

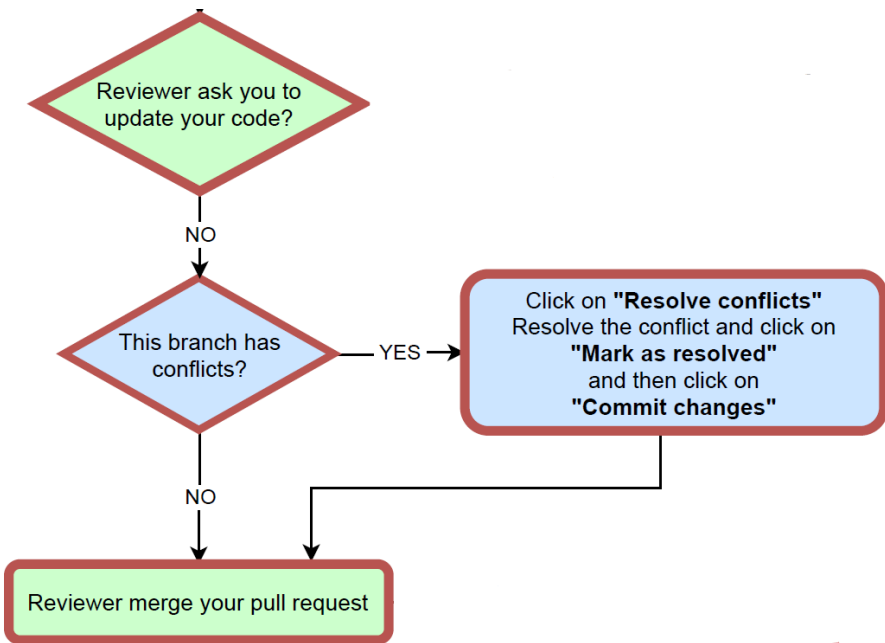
The screenshot shows a GitHub pull request interface for the repository "itfactory-tm / HTML5-webbureau-OHO10". The pull request is titled "update footer #4" and is resolving conflicts between the "pv-update-footer" branch and the "master" branch. The interface shows a list of conflicting files, with "dist/index.html" listed as having 1 conflict. A red box highlights the "Mark as resolved" button next to the file name. The code editor below shows the HTML code for "dist/index.html", with lines 45 to 50 visible. The code is surrounded by conflict resolution markers: `<<<<<<` on the left and `>>>>>>` on the right.





**Example 2:** next, student 1 (Jan Janssen) can merge the (pull request for the) feature branch *pv-update-footer* with the master branch on GitHub





**Example 2:** next, student 1 (Jan Janssen) can merge the (pull request for the) feature branch *pv-update-footer* with the master branch on GitHub

The screenshot shows a GitHub pull request titled "update footer #4" where "pverhaert" wants to merge 1 commit into the `master` branch from the `pv-update-footer` branch. A comment from "jkwadmaat" is visible, and the "Confirm merge" button is highlighted with a red box. The interface includes a "Merge pull request" section with a dropdown menu showing "Merge pull request #4 from itfactory-tm/pv-update-footer" and a text input field containing "update footer". Below this, there are "Confirm merge" and "Cancel" buttons. At the bottom, there are "Close pull request" and "Comment" buttons. The right sidebar shows project settings, linked issues, and participants.