

GitHub: Pull Request

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Pull request

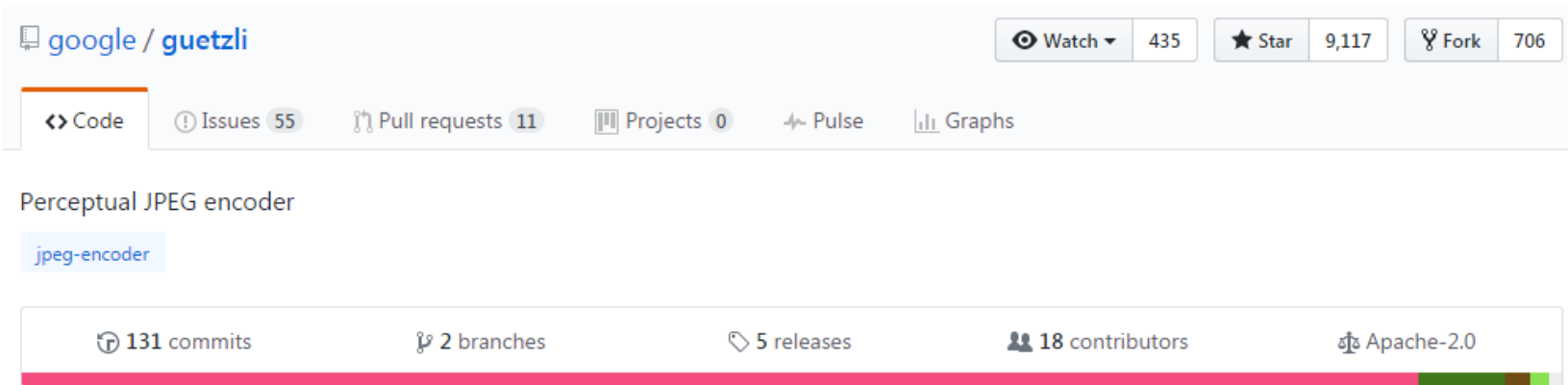
- 내 변경사항을 공식 저장소에 반영요청
 - 공식 저장소의 관리자(maintainer)가 나의 요청을 받아들이면?
⇒ Merge를 수행해 줌
- Pull Request 가 필요한 경우
 - 오픈소스 프로젝트의 소스를 고친 경우
 - 내가 변경한 소스가 다른 사람에게도 의미가 있는 경우 (개선, 버그 수정 등)
 - Collaborate project에서 merge 권한 관리를 하고 싶을 때
 - 예) master/release 브랜치로의 merge는 무조건 pull request를 사용하고, 팀장이 merge를 수행하기로 정함

Pull request 예제

- <http://www.bloter.net/archives/274583>









- 고화질 JPGE 이미지를 만들어주는 이미지 압축 알고리즘
- Guetzli 장점: 이미지 손실은 최대한 줄이면서 파일 크기도 줄임
- <https://github.com/google/guetzli>



Pull request 예제

Commits on Mar 29, 2017

	Merge pull request #148 from szabadka/master ... szabadka committed on GitHub 15 days ago ✓	 5f42650	
	Reduce memory usage of butteraugli. ... szabadka committed 15 days ago ✓	 6639054	


Merge pull request #148 from szabadka/master [Browse files](#)


Reduce memory usage of butteraugli. Addresses #11

 master (#148)

 szabadka committed on GitHub 15 days ago 2 parents c0b5964 + 6639054 commit 5f4265006589f4418b2556606bc6d886b0797fd5

Memory usage #11

 Open oduis opened this issue on 12 Jan · 8 comments



oduis commented on 12 Jan

The official 1.0 release binary crashes on Windows encoding a 24 MP photo.
It seems like this is a RAM issues, since it quickly eats gigabytes of RAM before crashing.
Is there a 64bit version? And is the RAM usage expected?


Pull request 예제

[Code](#) [Issues 55](#) [Pull requests 11](#) [Projects 0](#) [Pulse](#) [Graphs](#)

Reduce memory usage of butteraugli. #148

Merged szabadka merged 1 commit into `google:master` from `szabadka:master` 15 days ago



[Conversation 4](#) [Commits 1](#) [Files changed 4](#) +150 -713


 szabadka commented 15 days ago Collaborator

Remove the ImageF class and use `std::vector` everywhere.
This removes the need to copy back-and-forth between the two formats and saves about 20% memory usage.

Peak memory usage of the ~1MP station.png file from the test corpus went from 263 MiB to 210 MiB.

This commit contains some additional clean-up of the butteraugli.h header, we now include only those functions that are needed by guetzli.

 1  1

Reviewers
 robryk ✓

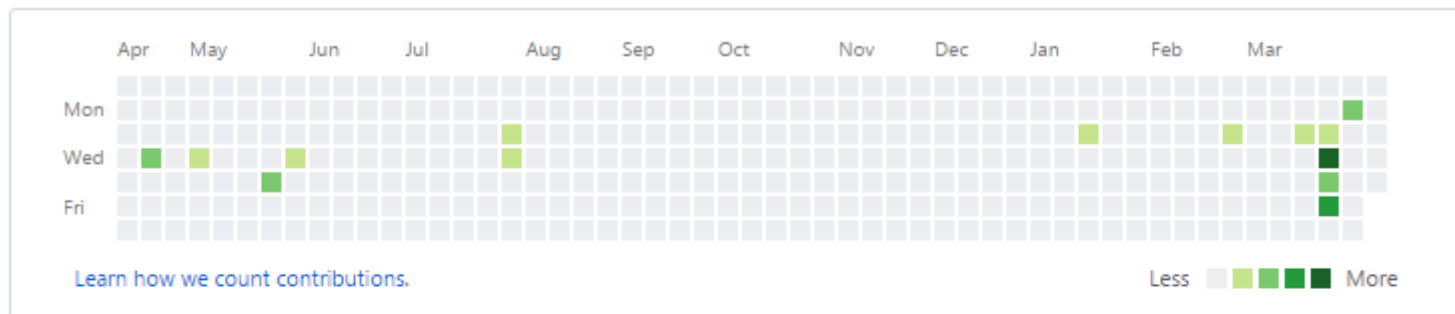
Assignees
No one assigned

Labels
None yet

Projects
None yet

Pull request 예제

52 contributions in the last year



Contribution activity

Jump to ▾

2017

April 2017



Reviewed 3 pull requests in 1 repository



google/guetzli

3 pull requests

- ✓ Do not depend on pkg-config.
- ✓ Fix handling of empty input
- ✓ Reject JPEGs with unexpectedly large coefficient values.

Apr 3

Apr 3

Apr 3

2016

2015

2014

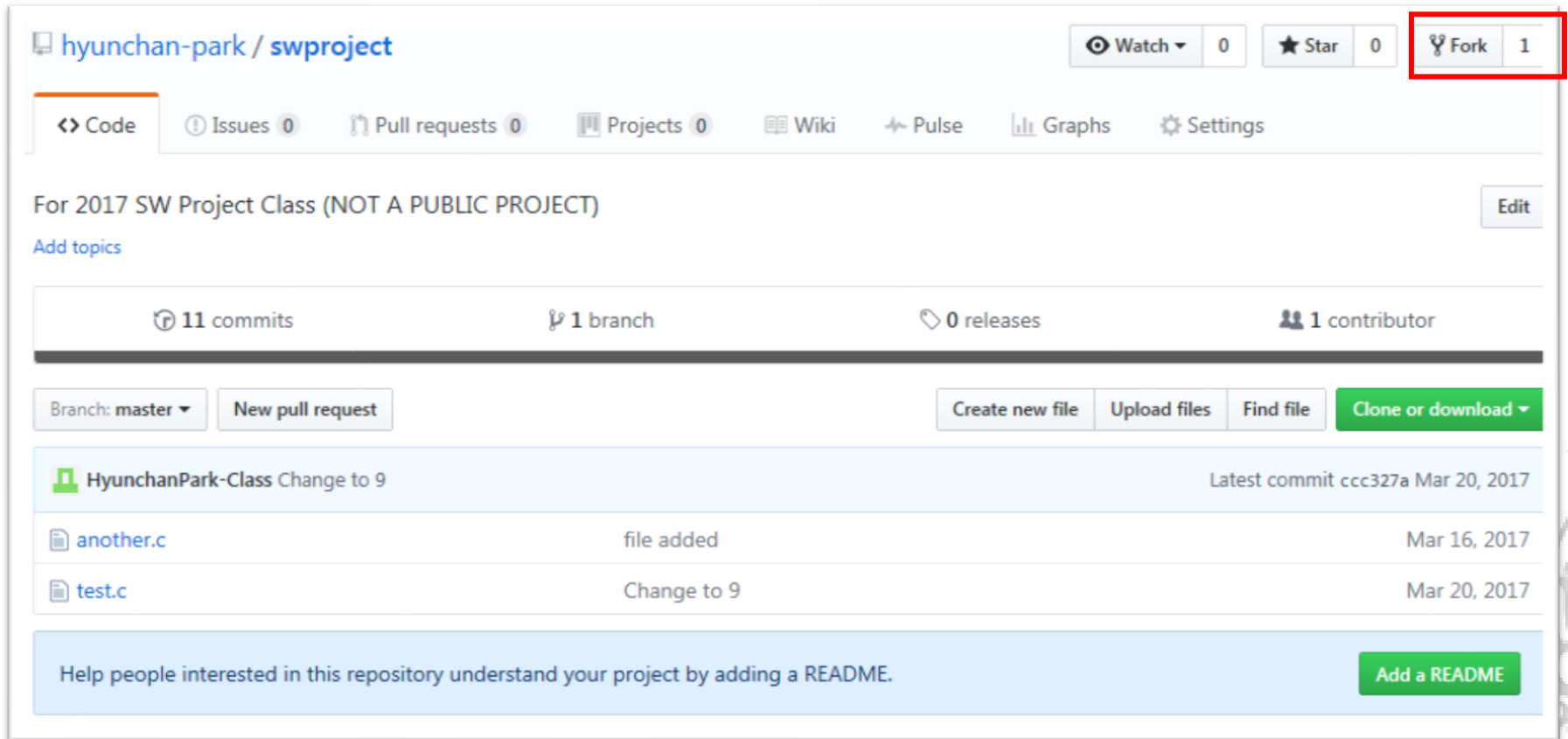
2013

Pull request 수행

- Collaborator 가 아닌 repository에 작업하는 방법
 - GitHub의 remote repository 를 fork해, 내 계정에 remote repository 생성
 - Fork: remote repository를 복제하는 명령
 - 이를 clone 하여 local repository 에서 작업

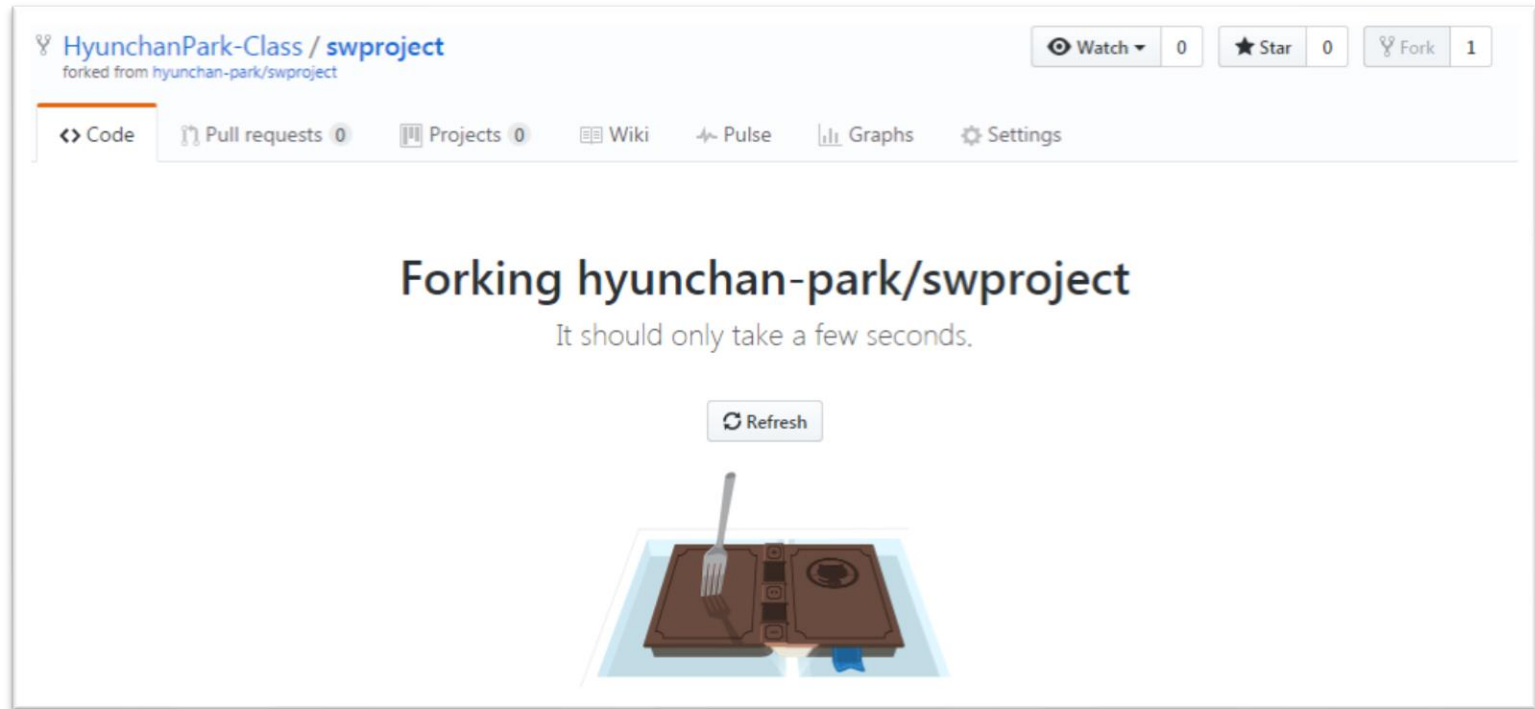
Pull request 수행 1: fork and clone

- 다른 사람 repository page에 접속해 fork 버튼 클릭



Pull request 수행 1: fork and clone

- 다른 사람 repository page에 접속해 fork 버튼 클릭



Pull request 수행 1: fork and clone

- 현재의 repository 상태가 복제됨

The screenshot shows the GitHub interface for a repository named 'HyunchanPark-Class / swproject', which is a fork of 'hyunchan-park/swproject'. The repository is private, indicated by the text 'For 2017 SW Project Class (NOT A PUBLIC PROJECT)'. The repository has 11 commits, 1 branch, 0 releases, and 1 contributor. The 'master' branch is selected. A 'New pull request' button is visible. The repository contains two files: 'another.c' (file added 28 days ago) and 'test.c' (Change to 9 24 days ago). A green button 'Add a README' is at the bottom.

HyunchanPark-Class / swproject
forked from hyunchan-park/swproject

Watch 0 Star 0 Fork 1

Code Pull requests 0 Projects 0 Wiki Pulse Graphs Settings

For 2017 SW Project Class (NOT A PUBLIC PROJECT) Edit

Add topics

11 commits 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

This branch is even with hyunchan-park:master. Pull request Compare

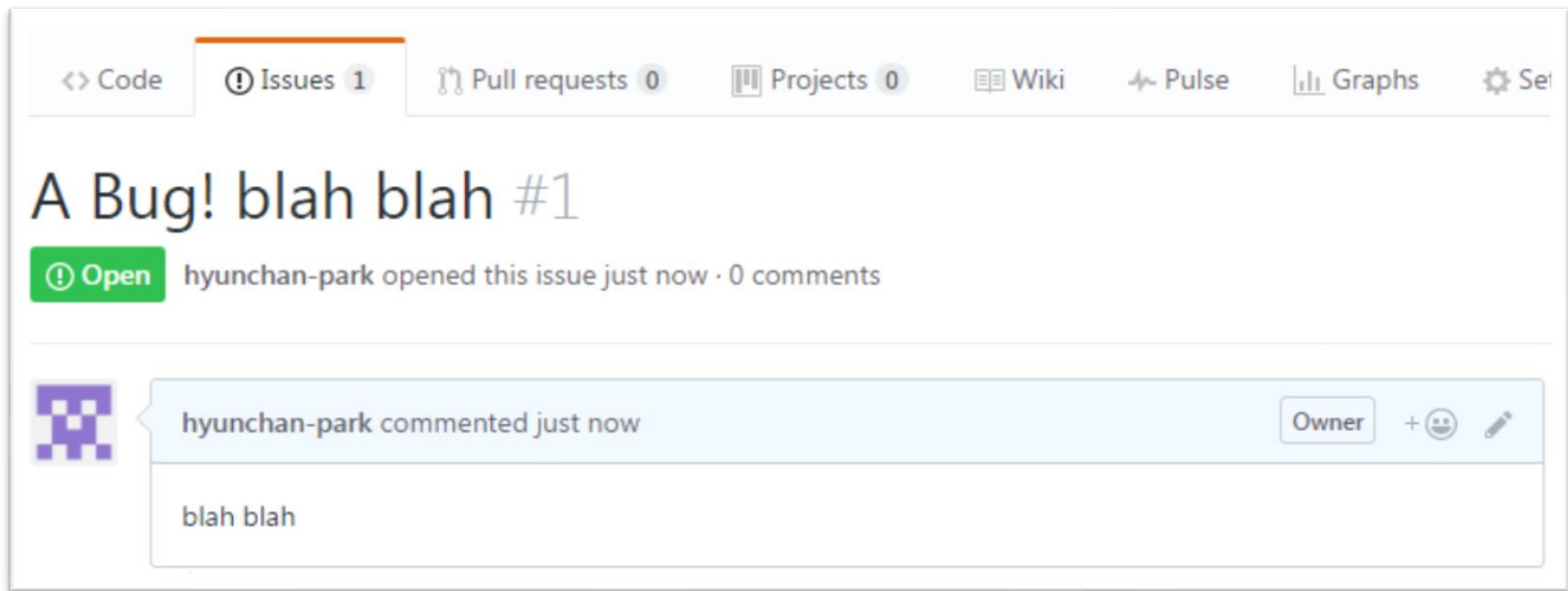
HyunchanPark-Class Change to 9 Latest commit ccc327a 24 days ago

another.c	file added	28 days ago
test.c	Change to 9	24 days ago


Help people interested in this repository understand your project by adding a README. Add a README




Pull request 수행 1: fork and clone

- GitHub desktop 사용해서 Local repo 로 clone
 - 주의: Fork 해서 생성된 내 계정의 repository를 clone 해야 함
- 예) issue #1 을 해결하는 패치를 만들어서 pull request 해보자
 - 임의로 파일 수정하고 commit, push



Pull request 수행 2: Create PR





 **HyunchanPark-Class / swproject**
forked from [hyunchan-park/swproject](#)

 Watch ▾ 0  Star 0  Fork 1

[Code](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Pulse](#) [Graphs](#) [Settings](#)


For 2017 SW Project Class (NOT A PUBLIC PROJECT) [Edit](#)


[Add topics](#)


 12 commits  1 branch  0 releases  1 contributor

[Branch: master ▾](#) [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download ▾](#)

This branch is 1 commit ahead, 1 commit behind hyunchan-park:master. [Pull request](#) [Compare](#)

 **HyunchanPark-Class** Hello this is bug patch from hcpark :) ... Latest commit def960f 3 minutes ago

 [another.c](#) Hello this is bug patch from hcpark :) 3 minutes ago


 [test.c](#) Change to 9 24 days ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)



Pull request 수행 2: Create PR





Comparing changes


Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).



 base fork: **hyunchan-park/swproject** ▼ base: **master** ▼ ... head fork: **HyunchanPark-Class/swproject** ▼ compare: **master** ▼


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



 **Create pull request** Discuss and review the changes in this comparison with others. 

 **1 commit**  **1 file changed**  **0 commit comments**  **1 contributor**


 Commits on Apr 13, 2017

  **HyunchanPark-Class** Hello this is bug patch from hcpark :) ... def960f

 Showing **1 changed file** with 1 addition and 0 deletions. Unified Split

1  another.c View  ▼

... @@ -0,0 +1 @@


1 +Hello this is bug patch from hcpark :) 

No commit comments for this range

Pull request 수행 2: Create PR

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 fork: hyunchan-park/swproject ▾ base: master ▾ ... head fork: HyunchanPark-Class/swproject ▾ compare: master ▾

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



Hello this is bug patch from hcpark :)

Write

Preview

AA ▾ B i “ < > ↺ ⋮ ≡ ✓ ↶ @ 📌


Fixed issue #1


Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard.


☒ Allow edits from maintainers. [Learn more](#)


Create pull request


Pull request 수행 2: Create PR


 hyunchan-park / swproject


 Watch 0


 Star 0


 Fork 1


 Code


 Issues 1


 Pull requests 1

 Projects 0


 Wiki

 Pulse


 Graphs


 Settings


Hello this is bug patch from hcpark :) #2

 Open


 HyunchanPark-Cla.. wants to merge 1 commit into `hyunchan-park:master` from `HyunchanPark-Class:master`

 Conversation 0

 Commits 1

 Files changed 1


+1 -0




HyunchanPark-Class commented 32 seconds ago

Contributor + 🗨️ ✎

Fixed issue #1

 Hello this is bug patch from hcpark :) ... def960f

Add more commits by pushing to the `master` branch on `HyunchanPark-Class/swproject`.



✓ 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](#).

Reviewers

No reviews—request one

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Pull request 수행 3: Merging

Add more commits by pushing to the **master** branch on HyunchanPark-Class/swproject.



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](#).



Create a merge commit

All commits from this branch will be added to the base branch via a merge commit.

Squash and merge

The 1 commit from this branch will be added to the base branch.

Rebase and merge

The 1 commit from this branch will be rebased and added to the base branch.

AA B i “ <> 🔗 ⋮ 1/3 ✓ ↶ @ 📌

or pasting from the clipboard.

Styling with Markdown is supported


Close pull request

Comment

Pull request 수행 3: Merging

[Code](#) [Issues 1](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Pulse](#)

Branch: master [swproject / another.c](#)

 HyunchanPark-Class Hello this is bug patch from hcpark :)

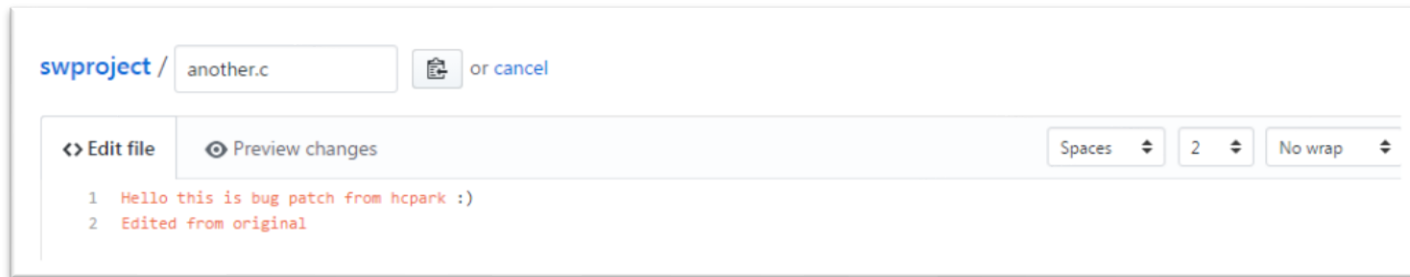
1 contributor

1 lines (1 sloc) | 38 Bytes

1 Hello this is bug patch from hcpark :)

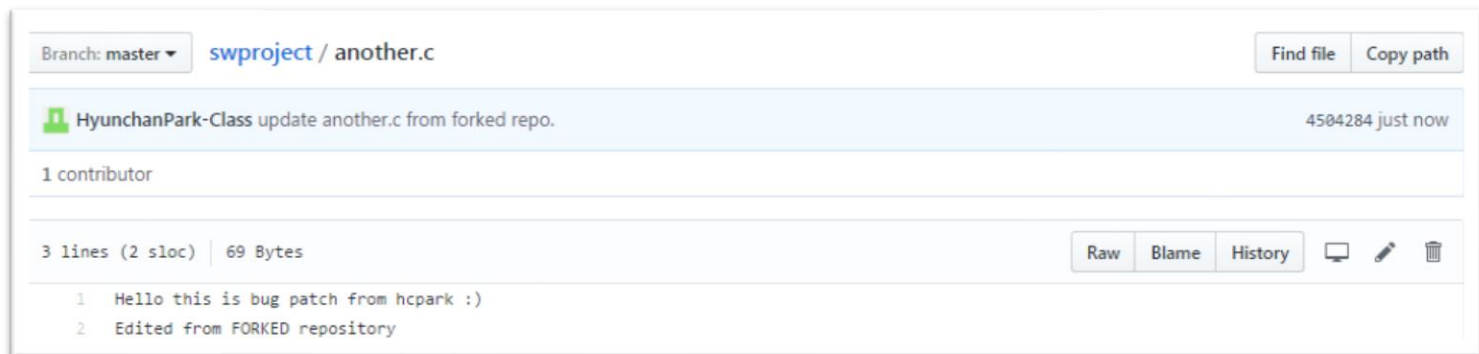
Pull request 수행 4: Merge conflict

- Pull request 를 받아 merge 할 때 conflict 가 발생하면?
 - Fork 뒤에, 양쪽에서 같은 파일을 수정하여 Conflict 유도
 - 원본 repository 에서 수정



The screenshot shows a code editor interface for a file named 'another.c'. At the top, there's a search bar with 'another.c' and a button labeled 'or cancel'. Below the search bar, there are two tabs: '<> Edit file' and 'Preview changes'. The 'Preview changes' tab is active, showing a diff of the file. The diff has two lines: '1 Hello this is bug patch from hcpark :)' and '2 Edited from original'. To the right of the diff, there are settings for 'Spaces' (set to 2) and 'No wrap'.

- Fork 한 repository 에서 수정





The screenshot shows a pull request diff view for a file named 'another.c'. At the top, there's a dropdown menu for 'Branch: master' and a search bar with 'another.c'. To the right of the search bar, there are buttons for 'Find file' and 'Copy path'. Below the search bar, there's a blue bar with a green icon and the text 'HyunchanPark-Class update another.c from forked repo.' and '4504284 just now'. Below the blue bar, there's a section for '1 contributor'. Below the contributor section, there's a section for '3 lines (2 sloc) | 69 Bytes'. To the right of this section, there are buttons for 'Raw', 'Blame', and 'History'. Below the buttons, there's a diff of the file with two lines: '1 Hello this is bug patch from hcpark :)' and '2 Edited from FORKED repository'.



Pull request 수행 4: Merge conflict

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

 base fork: hyunchan-park/swproject ▼ base: master ▼ ... head fork: HyunchanPark-Class/swproject ▼ compare: master ▼

 **Can't automatically merge.** Don't worry, you can still create the pull request.

 **Create pull request** Discuss and review the changes in this comparison with others. 



 1 commit

 1 file changed

 0 commit comments


 1 contributor

 Commits on Apr 13, 2017



  HyunchanPark-Class


update another.c from forked repo.

4504284

 Showing 1 changed file with 2 additions and 1 deletion.


Unified Split

3  another.c View 


...	...	@@ -1 +1,2 @@
1		-Hello this is bug patch from hcpark :) 
	1	+Hello this is bug patch from hcpark :)
	2	+Edited from FORKED repository

Pull request 수행 4: Merge conflict

update another.c from forked repo. #3

 Open HyunchanPark-Cla.. wants to merge 1 commit into `hyunchan-park:master` from `HyunchanPark-Class:master`

 Conversation 0

 Commits 1

 Files changed 1



HyunchanPark-Class commented just now

Contributor



Please solve the merge conflict

  update another.c from forked repo.

4504284

Add more commits by pushing to the `master` branch on `HyunchanPark-Class/swproject`.



This branch has conflicts that must be resolved

Use the [web editor](#) or the [command line](#) to resolve conflicts.

Resolve conflicts

Conflicting files

another.c

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Pull request 수행 4: Merge conflict

The image displays two screenshots of a GitHub pull request interface for the repository 'hyunchan-park / swproject'. The pull request is titled '#3: update another.c from forked repo.' and is in the 'Conflicts' state.

Top Screenshot: Shows a conflict in the file 'another.c'. The interface indicates '1 conflicting file'. The code editor displays the following content:

```
1 Hello this is bug patch from hcpark :)
2 <<<<<< master
3 Edited from FORKED repository
4 =====
5 Edited from original
6 >>>>>> master
7
```

The conflict is highlighted with a yellow background. The interface includes buttons for 'Prev', 'Next', 'Mark as resolved', and a settings gear.

Bottom Screenshot: Shows the same pull request after the conflict has been resolved. The code editor now displays:

```
1 Hello this is bug patch from hcpark :)
2 Edited from original and FORKED repository
3
```

The conflict has been resolved, and the code is now consistent across both branches.

Pull request 수행 4: Merge conflict

- Commit changes 클릭하고 잠시 대기

The screenshot shows a GitHub pull request for the repository 'hyunchan-park / swproject'. The pull request is titled '#3: update another.c from forked repo.' and is in the 'Conflicts' state. The interface indicates that all conflicts have been resolved, with a green checkmark and the text 'Resolved all conflicts'. A green button labeled 'Commit changes' is visible. Below the header, a table lists the conflicting files. The file 'another.c' is shown with a green checkmark, indicating it has been resolved. The content of 'another.c' is displayed, showing three lines of code: '1 Hello this is bug patch from hcpark :)', '2 Edited from original and FORKED repository', and '3'.

hyunchan-park / swproject

Watch 0 Star 0 Fork 1

Code Issues 1 Pull requests 1 Projects 0 Wiki Pulse Graphs Settings

#3: update another.c from forked repo. > Conflicts

✓ Resolved all conflicts [Commit changes](#)

1 conflicting file	another.c	✓ Resolved
another.c another.c	1 Hello this is bug patch from hcpark :) 2 Edited from original and FORKED repository 3	

Pull request 수행 4: Merge conflict

update another.c from forked repo. #3



HyunchanPark-Cla.. wants to merge 2 commits into `hyunchan-park:master` from `HyunchanPark-Class:master`



Conversation 0



Commits 2



Files changed 1



HyunchanPark-Class commented 3 minutes ago

Contributor



Please solve the merge conflict



HyunchanPark-Class and others added some commits 4 minutes ago



[update another.c from forked repo.](#)

4504284



Merge branch 'master' into master

46b81df

Add more commits by pushing to the `master` branch on `HyunchanPark-Class/swproject`.



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](#).

Pull request 수행 4: Merge conflict


 hyunchan-park committed on GitHub Merge pull request #3 from HyunchanPark-Class/master

 README.md Create README.md

 another.c Merge branch 'master' into master


 test.c Change to 9

Merge branch 'master' into master

 master (#3)

 hyunchan-park committed on GitHub a minute ago

2 parents 4504284 +

 Showing 2 changed files with 3 additions and 1 deletion.

2  README.md

... @@ -0,0 +1,2 @@

1 +# swproject

2 +For 2017 SW Project Class (NOT A PUBLIC PROJECT)

2  another.c

... @@ -1,2 +1,2 @@

1 1 Hello this is bug patch from hcpark :)

2 -Edited from FORKED repository

2 +Edited from original and FORKED repository

Pull request 수행 4: Merge conflict

[Code](#) [Issues 0](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

Label issues and pull requests for new contributors [Dismiss](#)

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with [good first issue](#)

[Filters](#)

[Labels 9](#) [Milestones 0](#)

New pull request

☒ Clear current search query, filters, and sorts

☐ 0 Open ✓ 1 Closed [Author](#)

☐ [Update test.c](#)
#1 by HyunchanPark-Class was merged 1 minute ago

[Labels](#) [Projects](#) [Milestones](#) [Reviews](#) [Assignee](#) [Sort](#)

개인 과제 #9 : GitHub PR

- 두 사람이 짝을 이뤄 진행
 - 각자 Repository 하나를 생성 (혹은 기존 예제 사용)
 - 각자 서로의 Repo 를 Fork
 - 각자 서로 수정 사항을 발생시킨 후, PR 요청 (no_conflict.jpg) -> 본인의 PR 요청 캡처
 - Merge 수행
 - 각자 서로 수정 사항을 발생시킨 후, PR 요청 (conflict.jpg) -> 본인의 PR 요청 캡처
 - Conflict 임의로 해결 후, Merge 수행
 - 두 개의 PR merge 완료 화면 pull request (closed) 창에서 캡처 (prs.jpg)
- 제출 기한:
 - 11/17 (일) 23:59
 - 지각 감점: 5%p / day (3주 내 제출해야 함)

