

## 03. Git - push pull

wludyka.anna@gmail.com

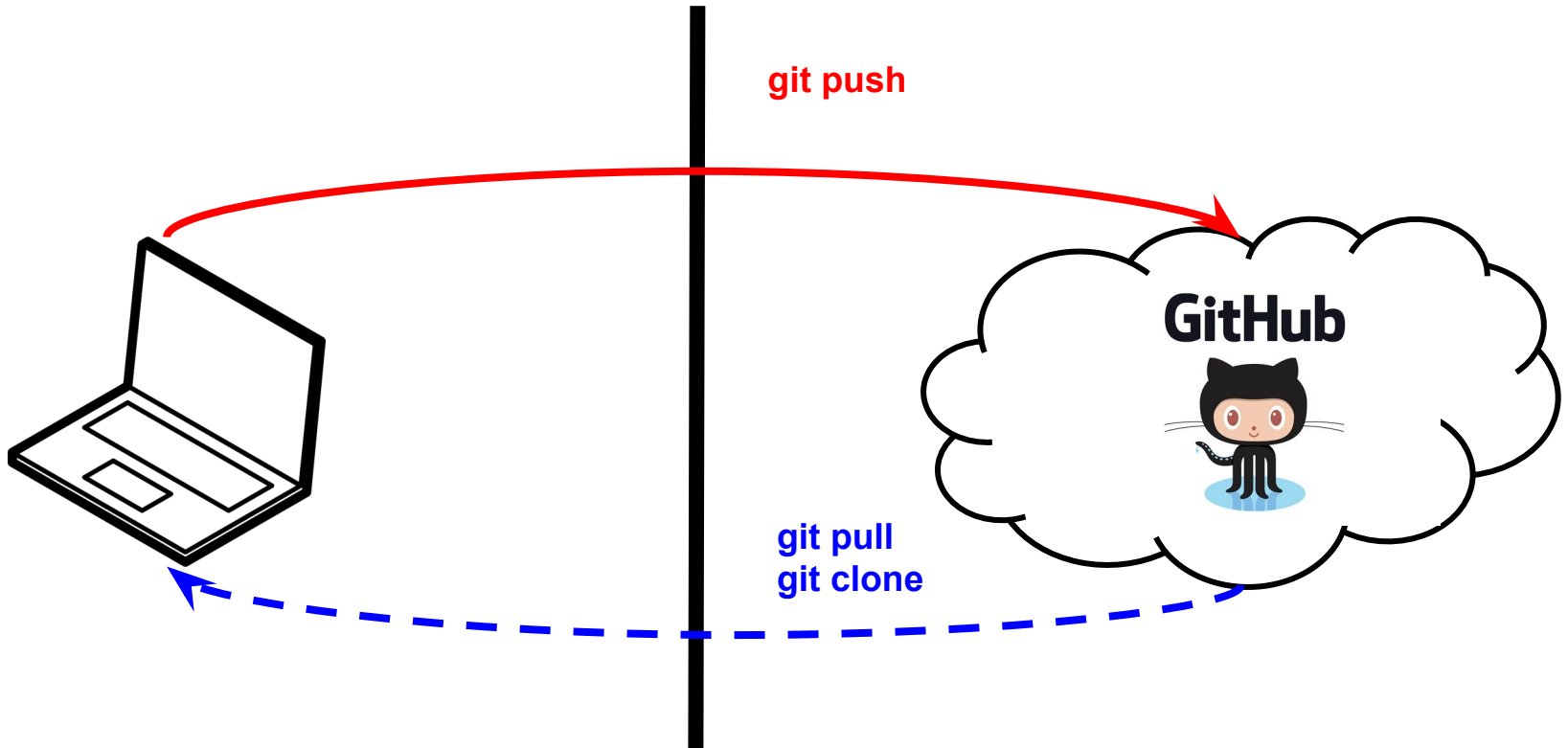
09.03.2016

- git **init**
- git **add** .
- git **status**
- git **commit -m** "opis commita"
- git **remote add** origin [adres\_repozytorium]
- git **push** origin master
- git **log --oneline --graph --decorate --all**
- git **commit --amend** - m "opis commita"

- git **reset HEAD** nazwa\_pliku
- git **branch** nazwa\_nowego\_brancha
- git **branch --all**
- git **checkout** nazwa\_brancha
- git **checkout -b** nazwa\_nowego\_brancha
- git **branch -D** nazwa\_brancha\_lokalnego\_do\_usunięcia
- git push origin :  
nazwa\_brancha\_zdalnego\_do\_usunięcia



## REPOZYTORIUM LOKALNE

## REPOZYTORIUM ZDALNE



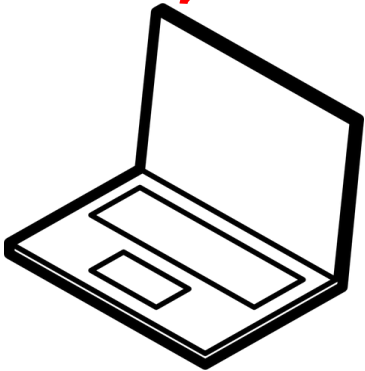
# REPOZYTORIUM LOKALNE

## git **init** - w folderze projektu

**git init**    
**.git**

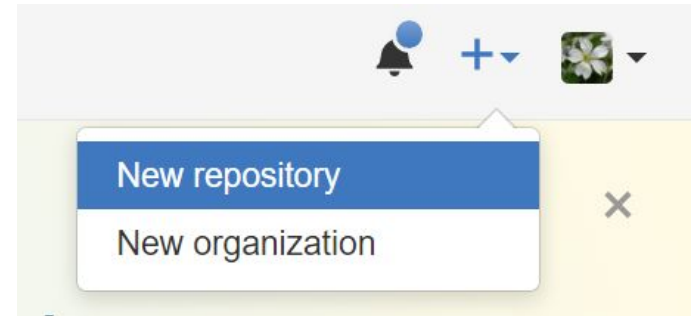
```
git remote add origin adres_repo
git add .
git commit -m "opis commita"
```

# git push origin master



## REPOZYTORIUM ZDALNE

# github.com




## Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

Repository name

 aniaaw ▼

```
/ some-project
```

Great repository names are short and memorable. Need inspiration? How about **upgraded-octo-tribble**.

Description (optional)

Public

Anyone can see this repository. You choose who can commit.

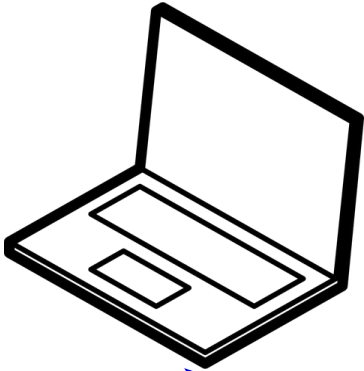
 **Private**

 You choose who can see and commit to this repository.



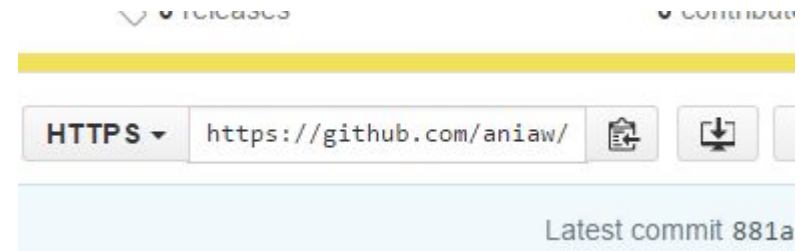
## REPOZYTORIUM LOKALNE

`git clone https://github.com/aniaw/TiJO_02.git`



TiJO\_02  
• .git

## REPOZYTORIUM ZDALNE



Version Control: Local Changes Log Console

Filter:  Branch: All User: All Date: All Paths: All

Subject

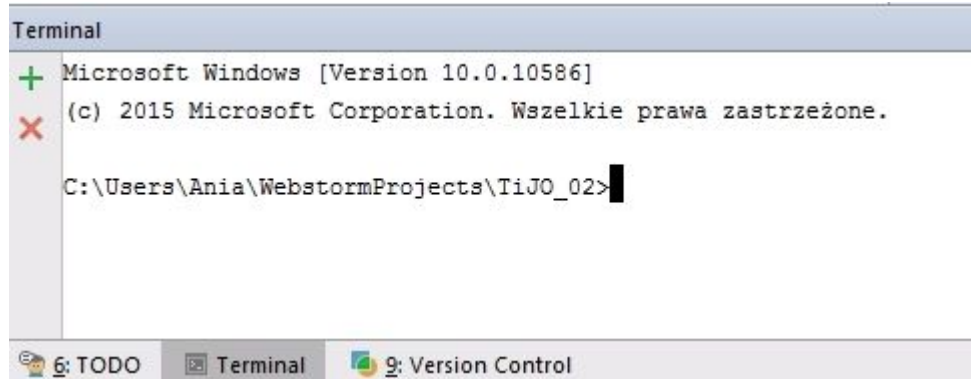
- HEAD master feature/userDetails add users details
- origin/feature/userDetails add users details
- feature/userList origin/feature/userList update userList structure
- origin/master add userList view
- Merge pull request #1 from alga14/master
- add productDetails.html
- add product module
- update areaOfTrapezoid function
- refactoring

GAŁĄŹ ZDALNA (GITHUB)

GAŁĄŹ LOKALNA

## Konsola IDEA IntelliJ

## Konsola systemowa - Windows

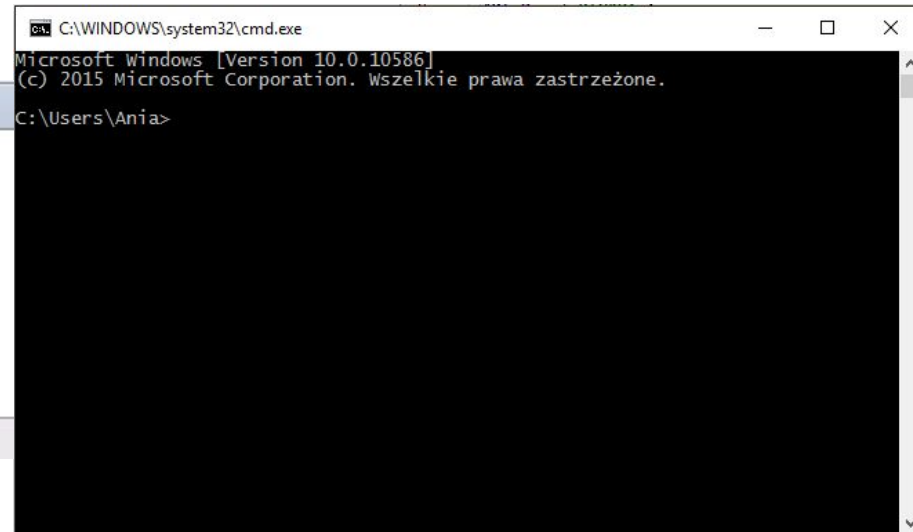


The screenshot shows the IntelliJ IDEA Terminal window. The title bar is labeled 'Terminal'. The terminal content displays the Windows version information: 'Microsoft Windows [Version 10.0.10586]' and '(c) 2015 Microsoft Corporation. Wszelkie prawa zastrzeżone.' Below this, the current directory path is shown as 'C:\Users\Ania\WebstormProjects\TiJO\_02>'. The bottom status bar of the IDE shows icons for '6: TODO', 'Terminal', and '9: Version Control'.

```
Terminal

+ Microsoft Windows [Version 10.0.10586]
- (c) 2015 Microsoft Corporation. Wszelkie prawa zastrzeżone.

C:\Users\Ania\WebstormProjects\TiJO_02>
```



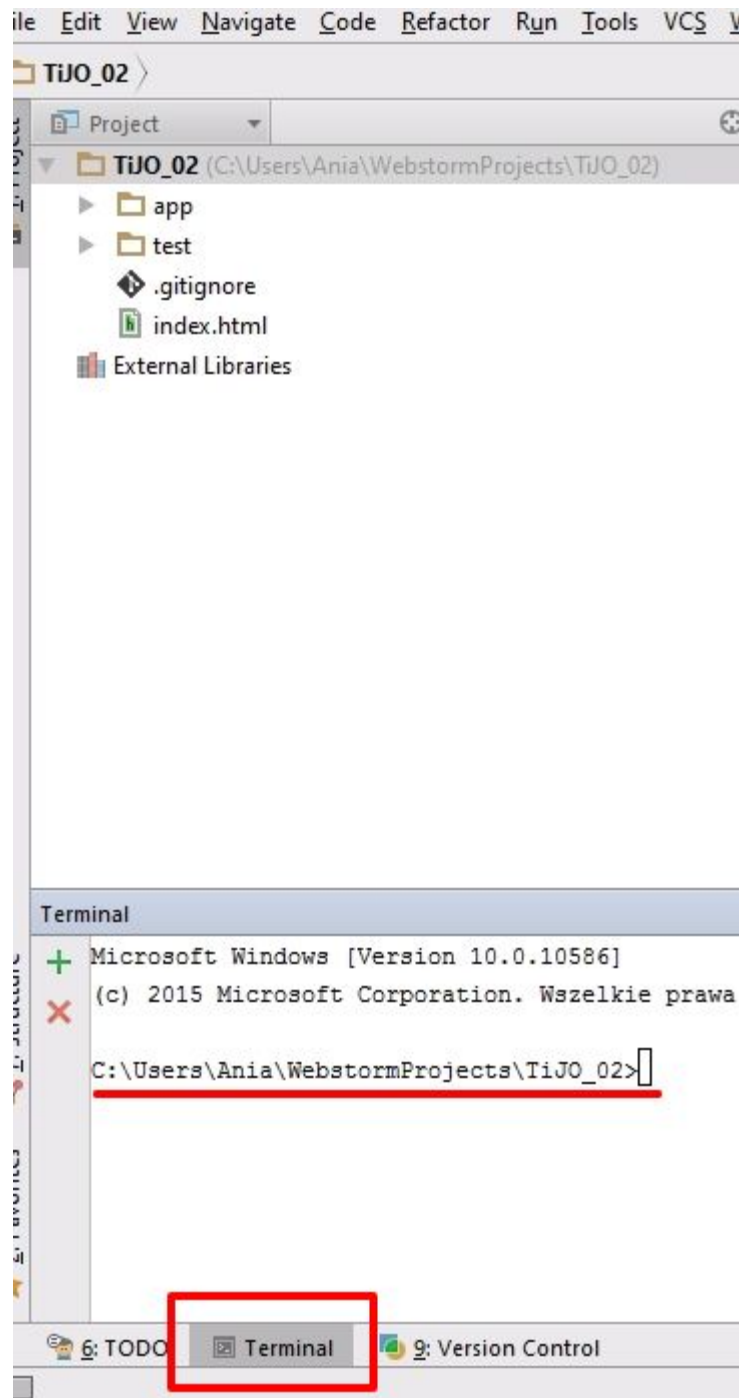
The screenshot shows a standard Windows Command Prompt window. The title bar indicates the path 'C:\WINDOWS\system32\cmd.exe'. The window content shows the same Windows version information: 'Microsoft Windows [Version 10.0.10586]' and '(c) 2015 Microsoft Corporation. Wszelkie prawa zastrzeżone.' The current directory path is 'C:\Users\Ania>'. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

```
C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. Wszelkie prawa zastrzeżone.

C:\Users\Ania>
```

Ścieżka w konsoli - powinna zgadzać się ze ścieżką folderu w której znajduje się nasz projekt

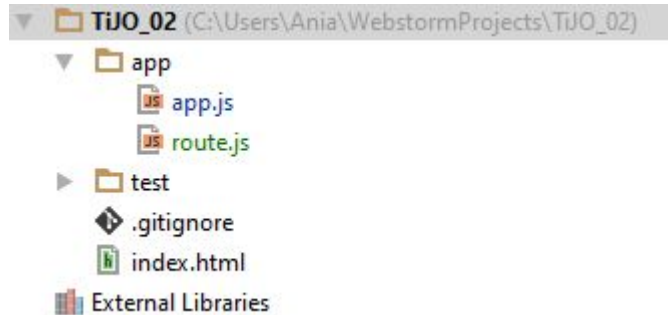


Ścieżka w konsoli - powinna zgadzać się ze ścieżką folderu w której znajduje się nasz projekt

```
C:\WINDOWS\system32\cmd.exe
Microsoft windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. wszelkie
C:\Users\Ania>
```

```
C:\WINDOWS\system32\cmd.exe
Microsoft windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. Wszelkie prawa
C:\Users\Ania>cd webstormProjects
C:\Users\Ania\webstormProjects>cd TiJO_02
C:\Users\Ania\webstormProjects\TiJO_02>
```

# SchoweK



```
C:\Users\Ania\WebstormProjects\TiJO_02>git status
```

```
On branch master
```

```
Changes to be committed:
```

```
(use "git reset HEAD <file>..." to unstage)
```

```
new file:   app/route.js
```

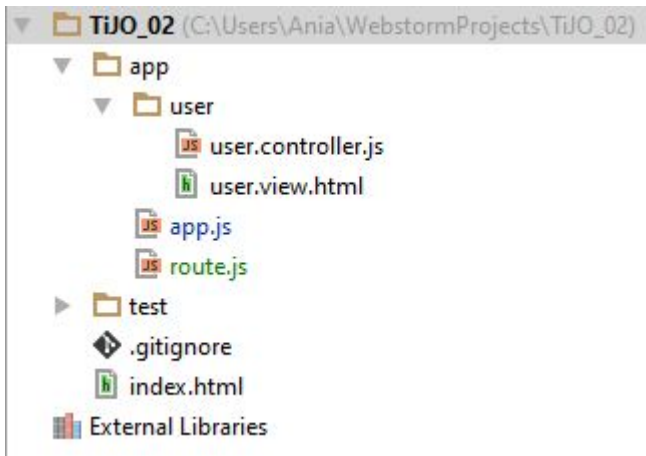
```
Changes not staged for commit:
```

```
(use "git add <file>..." to update what will be committed)
```

```
(use "git checkout -- <file>..." to discard changes in working directory)
```

```
modified:   app/app.js
```

## git checkout user



```
C:\Users\Ania\WebstormProjects\TiJO_02>git checkout user
```

```
M      app/app.js
```

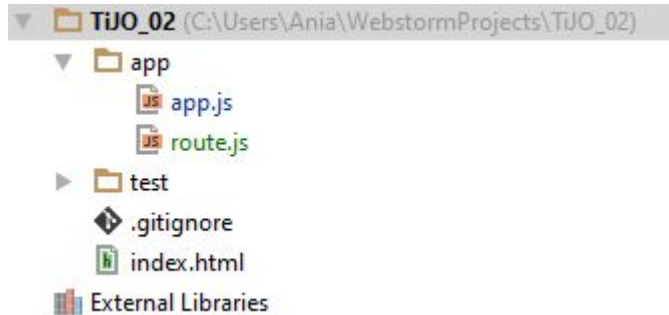
```
A      app/route.js
```

```
Switched to branch 'user'
```



# SchoweK

## git checkout master



```
C:\Users\Ania\WebstormProjects\TiJO_02>git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

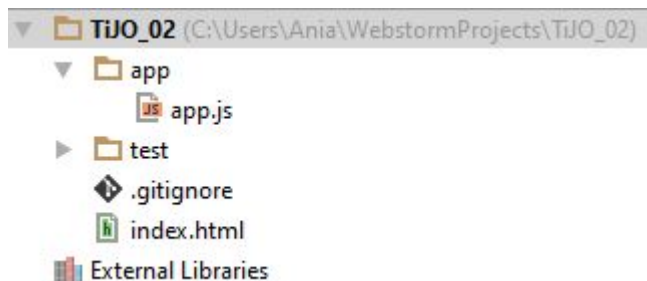
        new file:   app/route.js

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:   app/app.js
```

## git stash

```
C:\Users\Ania\WebstormProjects\TiJO_02>git stash
Saved working directory and index state WIP on master: 881a85a update areaOfTrapezoid function
HEAD is now at 881a85a update areaOfTrapezoid function
```



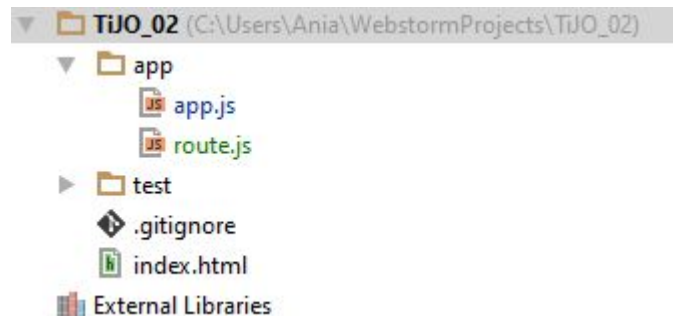
```
C:\Users\Ania\WebstormProjects\TiJO_02>git status
On branch master
nothing to commit, working directory clean
```

# SchoweK

## git stash list

```
C:\Users\Ania\WebstormProjects\TiJO_02>git stash list  
stash@{0}: WIP on master: 881a85a update areaOfTrapezoid function
```

## git stash pop



```
C:\Users\Ania\WebstormProjects\TiJO_02>git stash pop
```

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: app/route.js

Changes not staged for commit:

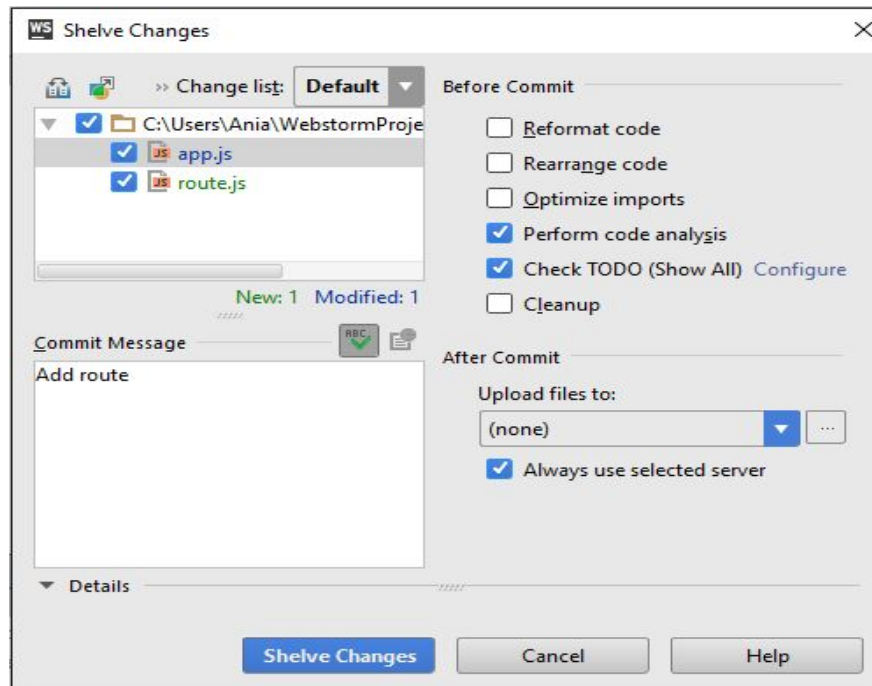
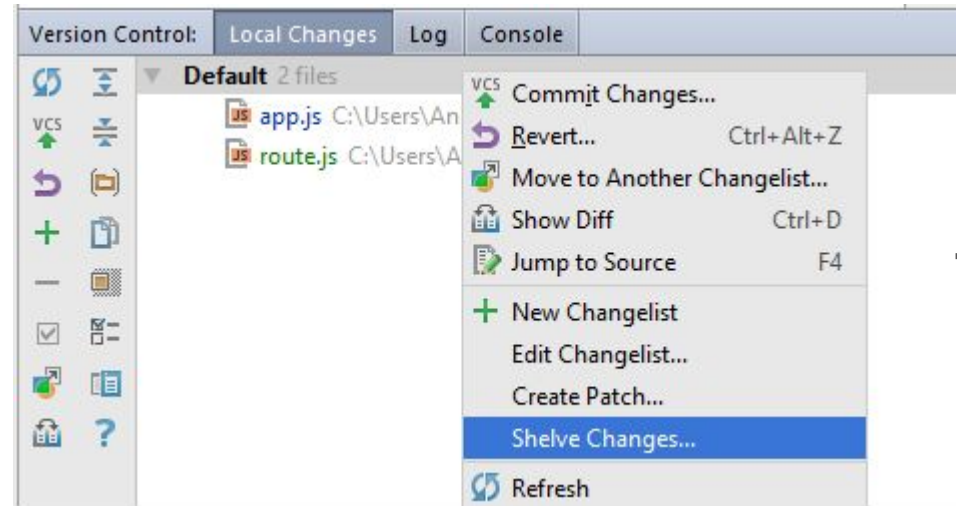
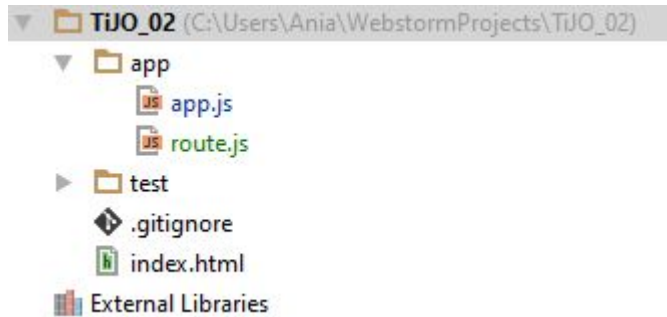
(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

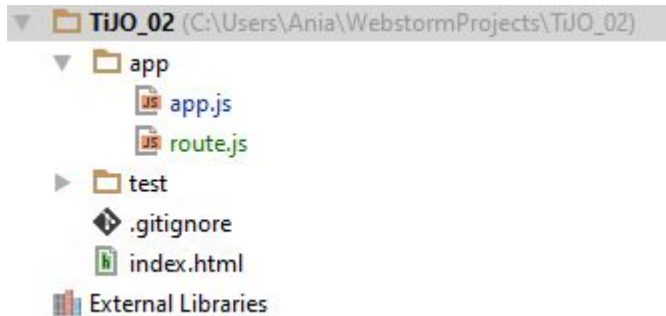
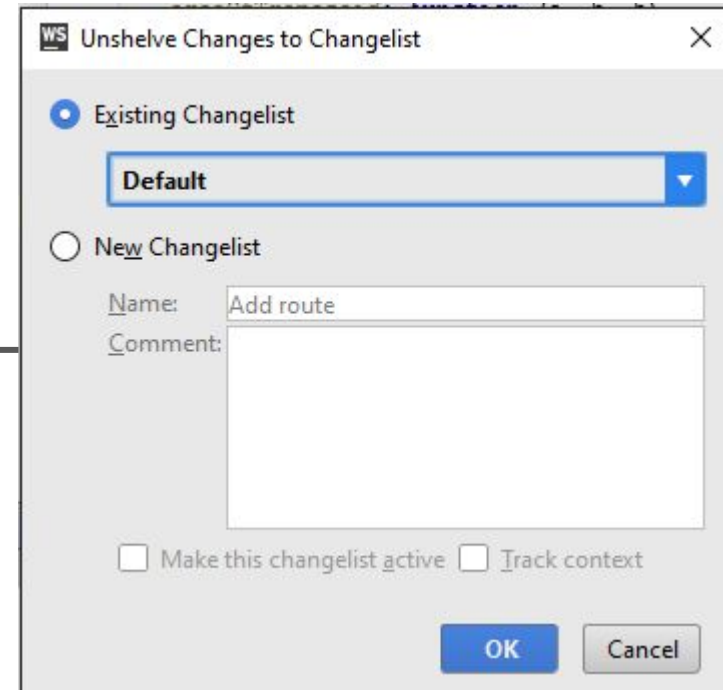
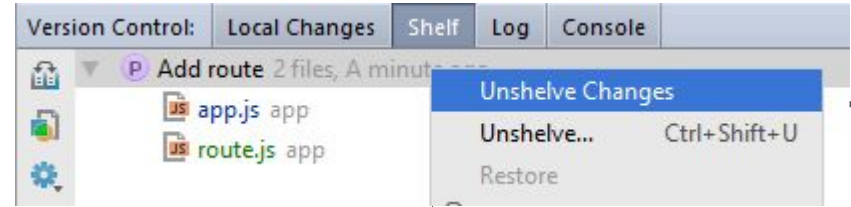
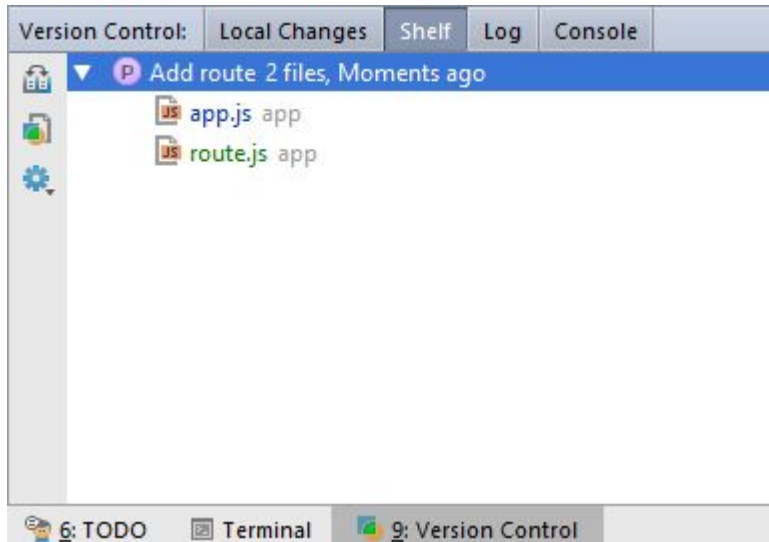
modified: app/app.js

Dropped refs/stash@{0} (817f15ee4643af367f8a76e7e88e8c360305d89f)

# Schoweck - IDEA IntelliJ



# Schoweck - IDEA IntelliJ

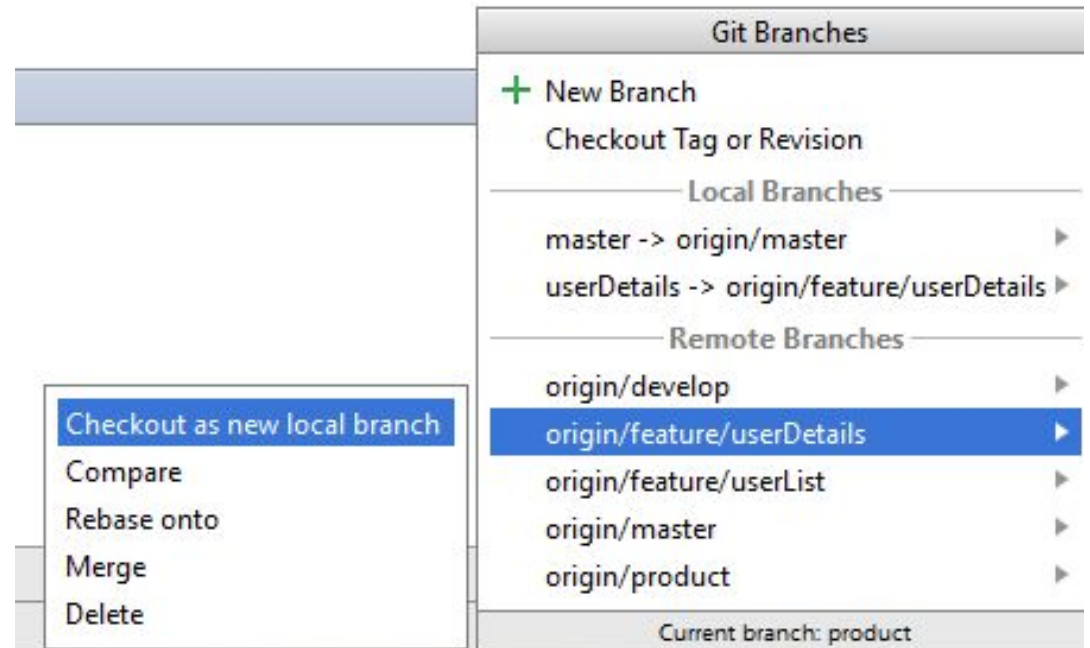


## Branch zdalny -> branch lokalny

`git branch --all`

`git checkout -b nazwa_brancha alias_repo/nazwa_brancha`

```
C:\Users\Ania\Desktop\TiJO_03>git checkout -b userDetails origin/feature/userDetails
Branch userDetails set up to track remote branch feature/userDetails from origin.
Switched to a new branch 'userDetails'
```



# Współpraca z innym repozytorium

aniaw / TiJO\_03

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

No description or website provided. — Edit

6 commits 1 branch 0 releases 0 contributors

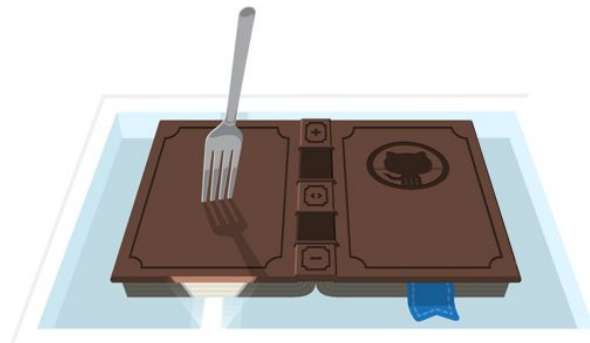
Branch: master New pull request

New file Upload files Find file HTTPS https://github.com/aniaw/ Download ZIP

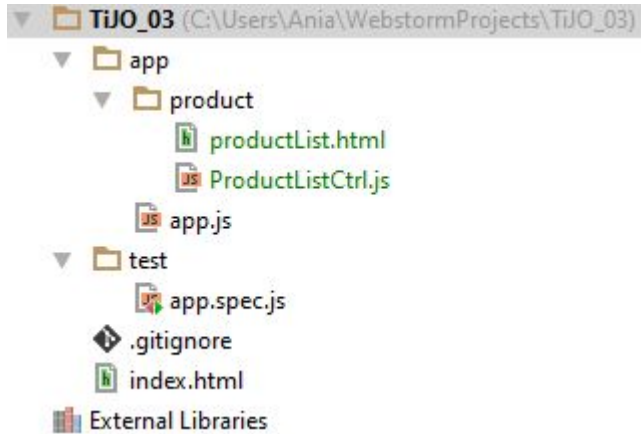
aniaw update areaOfTrapezoid function		Latest commit 881a85a 4 days ago
app	update areaOfTrapezoid function	4 days ago
test	refactoring	4 days ago
.gitignore	initial commit	4 days ago
index.html	add index.html	4 days ago

Forking twitter/bootstrap

We're forking a repository just for you. It should only take a few seconds. Refresh at will




anqa14 / TiJO\_03  
forked from aniaaw/TiJO\_03



**git add .**  
**git commit -m “add product module”**  
**git push origin master**


Commits on Mar 5, 2016

 **add product module**  
anlaw committed 12 minutes ago

 8b2e351 


Commits on Mar 1, 2016

 **update areaOfTrapezoid function**  
anlaw committed 4 days ago


 881a85a 

 **refactoring**  
anlaw committed 4 days ago

 4b51a8b 

 **add app.spec.js**  
anlaw committed 4 days ago


 31d4fe9 



 **add app.js**  
anlaw committed 4 days ago

 fff5f46 

 **add index.html**  
anlaw committed 4 days ago



















 42cc44c 

 **initial commit**  
anlaw committed 4 days ago

 97a1221 



Commits on Mar 1, 2016

	<b>update areaOfTrapezoid function</b> aniaw committed 4 days ago		881a85a	
	<b>refactoring</b> aniaw committed 4 days ago		4b51a8b	
	<b>add app.spec.js</b> aniaw committed 4 days ago		31dafe9	
	<b>add app.js</b> aniaw committed 4 days ago		fff5f46	
	<b>add index.html</b> aniaw committed 4 days ago		42cc44c	
	<b>initial commit</b> aniaw committed 4 days ago		97a1221	



## git remote -v

```
C:\Users\Ania\WebstormProjects\fork\TiJO_03>git remote -v
origin  https://github.com/anqa14/TiJO_03.git (fetch)
origin  https://github.com/anqa14/TiJO_03.git (push)
```

## git remote add upstream https://github.com/aniaw/TiJO\_03.git

```
C:\Users\Ania\WebstormProjects\fork\TiJO_03>git remote -v
origin  https://github.com/anqa14/TiJO_03.git (fetch)
origin  https://github.com/anqa14/TiJO_03.git (push)
upstream      https://github.com/aniaw/TiJO_03.git (fetch)
upstream      https://github.com/aniaw/TiJO_03.git (push)
```

**git push [https://github.com/aniaw/TiJO\\_03.git](https://github.com/aniaw/TiJO_03.git) master**

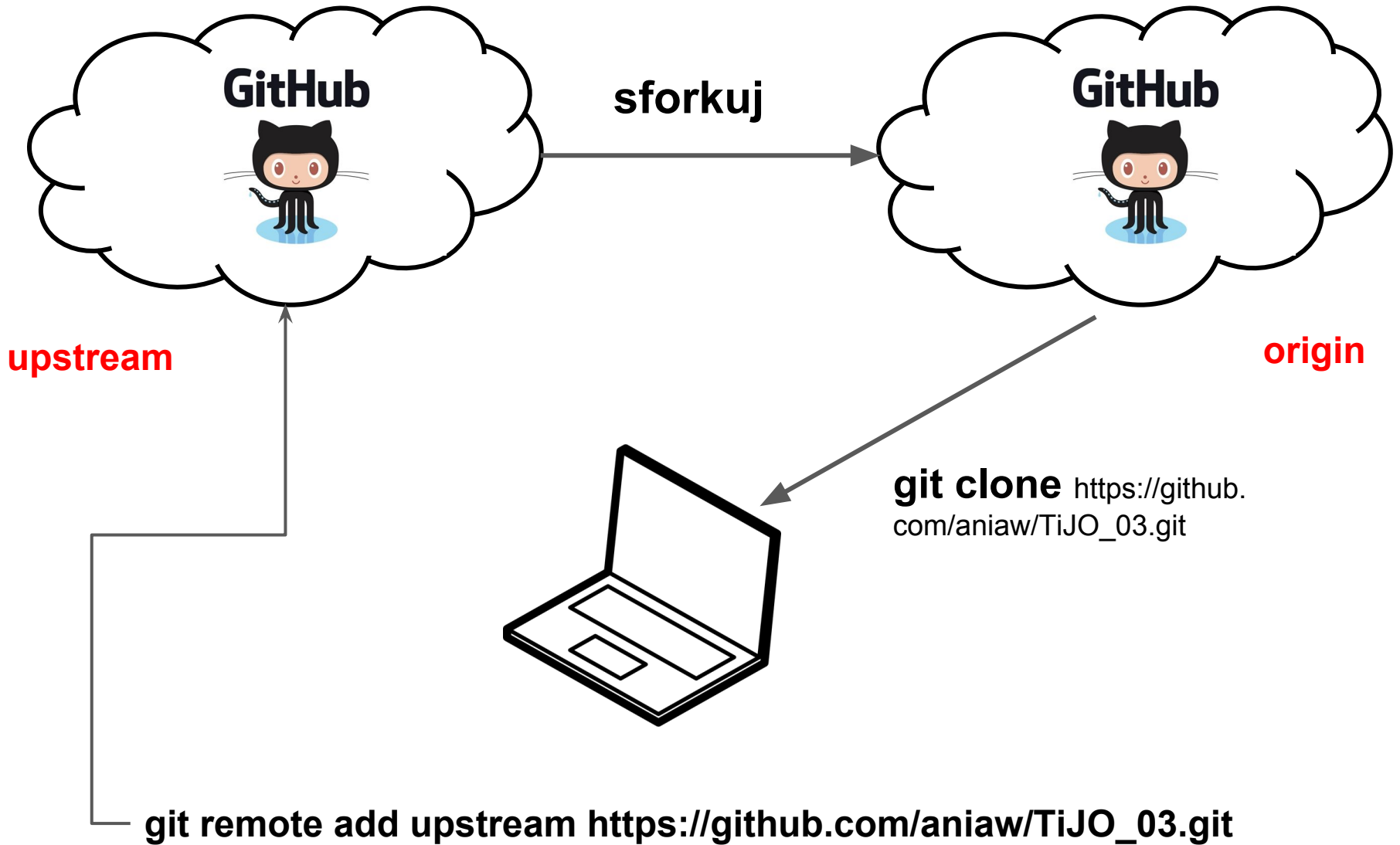
**==**

**git push [origin](#) master**

**[origin](#)** jest aliasem dla adresu **[https://github.com/aniaw/TiJO\\_03.git](https://github.com/aniaw/TiJO_03.git)**

aniaw / TiJO\_03

anqa14 / TiJO\_03  
forked from aniaw/TiJO\_03



## git fetch nazwa\_repozytorium

```
C:\Users\Ania\WebstormProjects\fork\TiJO_03>git fetch upstream
remote: Counting objects: 6, done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 0), reused 6 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.
From https://github.com/aniaw/TiJO_03
* [new branch]      master    -> upstream/master
```

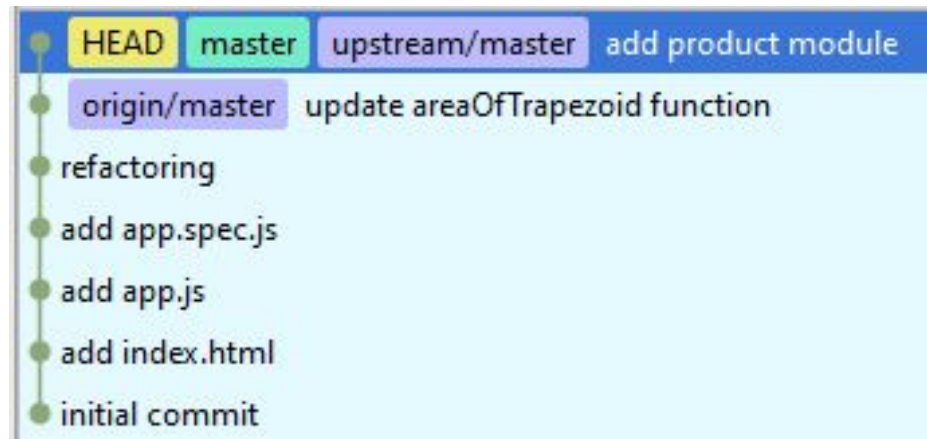
- upstream/master add product module
- HEAD master origin/master update areaOfTrapezoid function
- refactoring
- add app.spec.js
- add app.js
- add index.html
- initial commit

# Pobieranie zmian z innego repozytorium

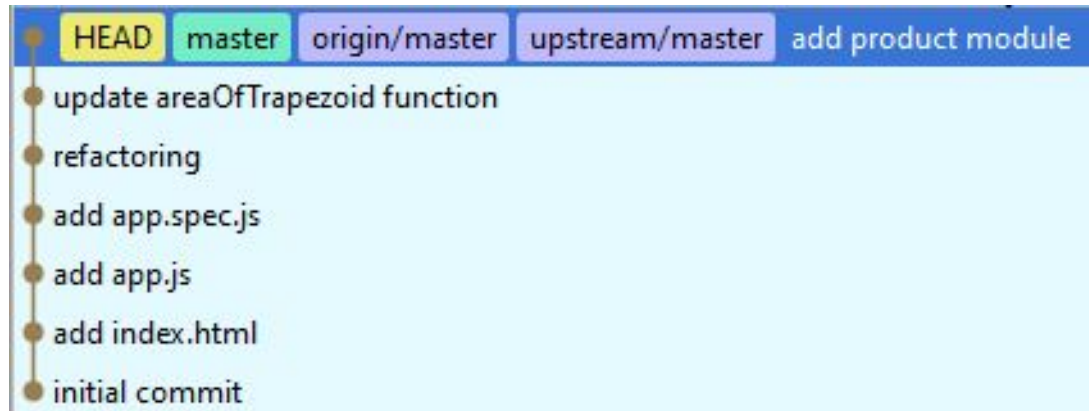
**git pull nazwa\_repozytorium nazwa\_brancha**

*git pull = git fetch + git merge*

```
C:\Users\Ania\WebstormProjects\fork\TiJO_03>git pull upstream master
From https://github.com/aniaw/TiJO_03
 * branch          master      -> FETCH_HEAD
Updating 881a85a..8b2e351
Fast-forward
 app/product/ProductListCtrl.js | 1 +
 app/product/productList.html   | 10 ++++++++
 2 files changed, 11 insertions(+)
 create mode 100644 app/product/ProductListCtrl.js
 create mode 100644 app/product/productList.html
```



# git push origin master



Commits on Mar 5, 2016



**add product module**

aniaw committed 2 hours ago



8b2e351



Commits on Mar 1, 2016



**update areaOfTrapezoid function**

aniaw committed 4 days ago



881a85a



**refactoring**

aniaw committed 4 days ago



4b51a8b



**add app.spec.js**

aniaw committed 4 days ago



31d4fe9



**add app.js**

aniaw committed 4 days ago



fff5f46



**add index.html**

aniaw committed 4 days ago



42cc44c



**initial commit**

aniaw committed 4 days ago

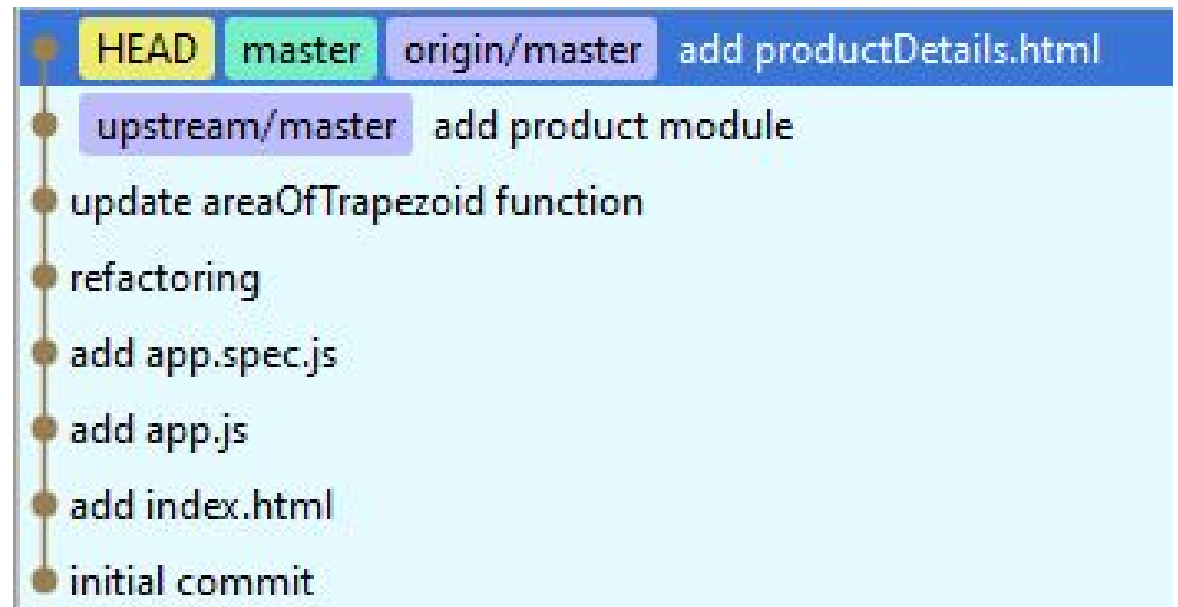
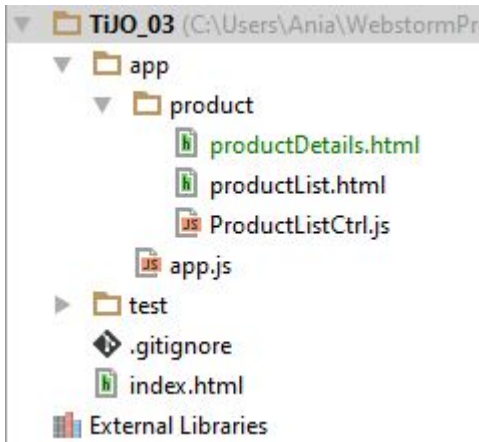


97a1221




# Wysyłanie swoich zmian do innego repozytorium


```
git add .  
git commit -m "add productDetails.html"  
git push origin master
```





# Pull request


wykonany z gałęzi master


 **anqa14 / TiJO\_03**  
forked from aniaw/TiJO\_03


 Unwatch ▾ 1


 Star 0


 Fork 1


 Code

 Pull requests 0


 Wiki


 Pulse


 Graphs


 Settings

No description or website provided. — [Edit](#)

 8 commits

 1 branch

 0 releases

 0 contributors

Branch: **master** ▾

**New pull request**


New file


Upload files

Find file

HTTPS ▾


<https://github.com/anqa14>







Download ZIP





This branch is 1 commit ahead of aniaw:master.

 Pull request

 Compare

 aniaw add productDetails.html

Latest commit ef4be81 7 minutes ago

 app	add productDetails.html	7 minutes ago
 test	refactoring	4 days ago
 .gitignore	initial commit	4 days ago
 index.html	add index.html	4 days ago



# Pull request

## 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](#).

repo i branch na które wysyłamy zmiany

repo i gałąź z której wysyłamy zmiany

base fork: aniaw/TiJO\_03 base: master ... head fork: anqa14/TiJO\_03 compare: master

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

**BRADZO WAŻNE - nie ma konfliktów!**

Create pull request

Discuss and review the changes in this comparison with others.

1 commit

1 file changed

0 commit comments



add productDetails.html

Write

Preview

AA B i

“ < > 🔗

⋮ ⋮ ⋮

@ 📎

Leave a comment

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

Styling with Markdown is supported

Create pull request

Create pull request

# Pull request

## add productDetails.html #1

 Open

anqa14 wants to merge 1 commit into `aniaw:master` from `anqa14:master`

 Conversation 0


 Commits 1

 Files changed 1



anqa14 commented 3 minutes ago

*No description provided.*

 add productDetails.html

ef4be81

Add more commits by pushing to the `master` branch on `anqa14/TiJO_03`.



**This branch has no conflicts with the base branch**

Only those with [write access](#) to this repository can merge pull requests.



Write

Preview

AA B i

“ < > ↻

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@ 📌

Leave a comment

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

 Styling with Markdown is supported

Close pull request

Comment

# Pull request


aniaw / TiJO\_03


## add productDetails.html #1

[Edit](#)


[Open](#) anqa14 wants to merge 1 commit into `aniaw:master` from `anqa14:master`

 Conversation 0


 Commits 1

 Files changed 1

+10 -0 

 Showing 1 changed file with 10 additions and 0 deletions.

[Unified](#) [Split](#)

10  app/product/productDetails.html

[View](#)



```
...      ...      @@ -0,0 +1,10 @@
1      +<!DOCTYPE html>
2      +<html lang="en">
3      +<head>
4      +  <meta charset="UTF-8">
5      +  <title>Product details</title>
6      +</head>
7      +<body>
8      +
9      +</body>
10     +</html>
```

# Pull request

aniaw / TiJO\_03



**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](#).



aniaw / TiJO\_03

<> Code

! Issues 0

**🔗 Pull requests 1**

📖 Wiki

⚡ Pulse

📊 Graphs

## add productDetails.html #1

**🔗 Merged**

aniaw merged 1 commit into `aniaw:master` from `anqa14:master` just now

💬 Conversation 0

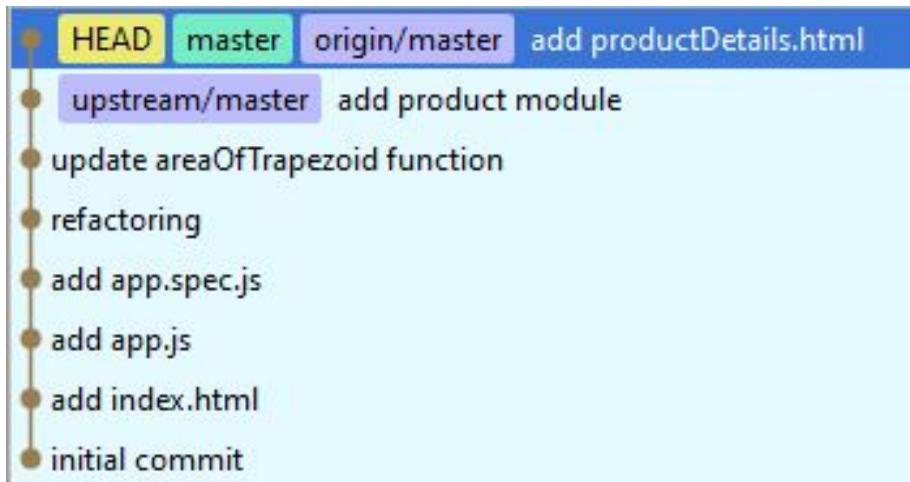
🔗 Commits 1

📄 Files changed 1



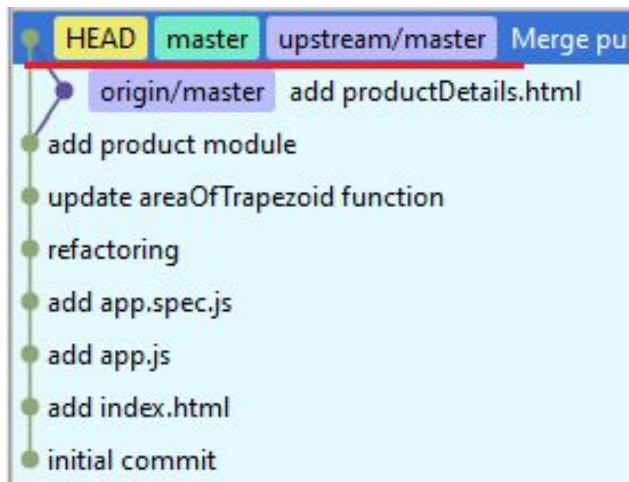
anqa14 commented 22 minutes ago

*No description provided.*

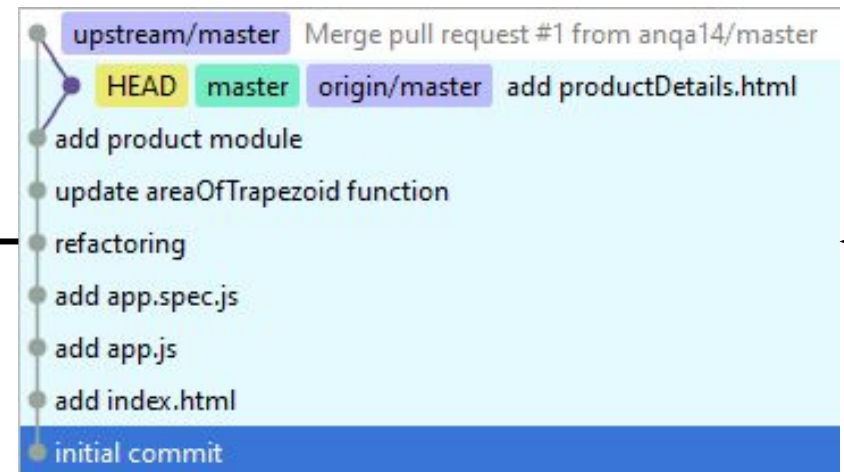


## git fetch upstream

```
C:\Users\Ania\WebstormProjects\fork\TiJO_03>git fetch upstream
remote: Counting objects: 1, done.
remote: Total 1 (delta 0), reused 1 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), done.
From https://github.com/aniaw/TiJO_03
  8b2e351..6a6bd5d  master    -> upstream/master
```



## git pull upstream master

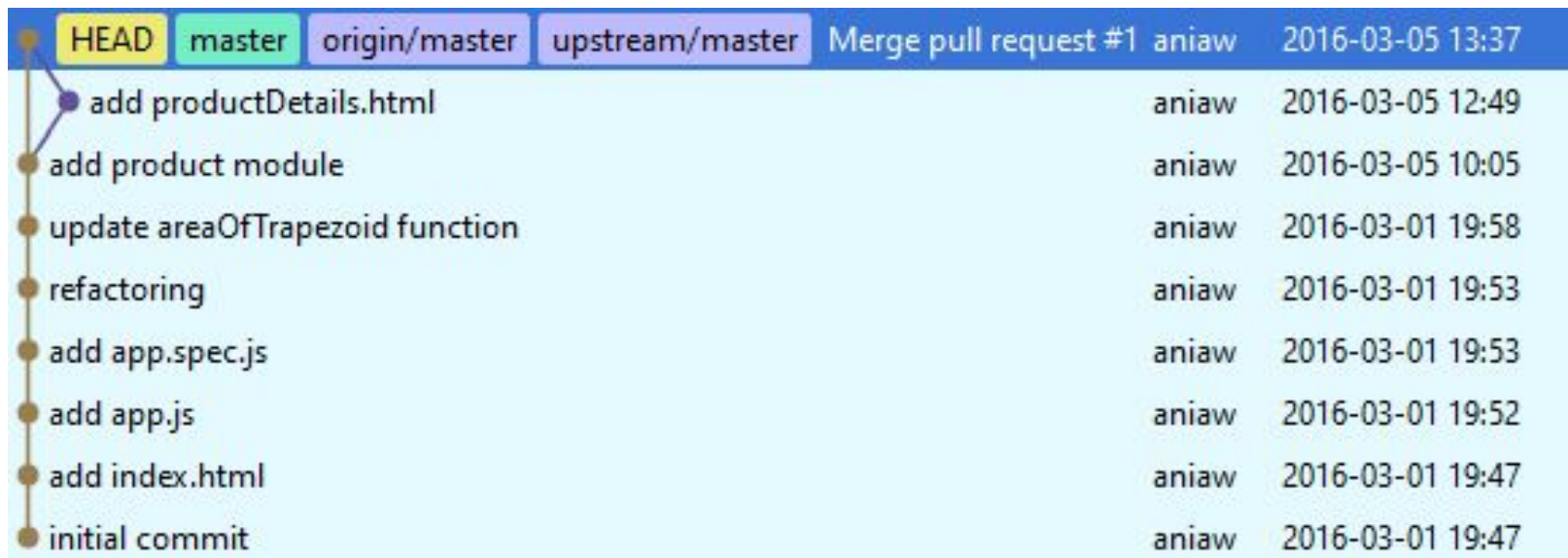


# git status

```
C:\Users\Ania\WebstormProjects\fork\TiJO_03>git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
    (use "git push" to publish your local commits)
nothing to commit, working directory clean
```



# git push origin master





Version Control: Local Changes Log Console

Filter:  Branch: All User: All Date: All Paths: All

Subject	Author	Date
HEAD master origin/master upstream/master Merge pull request #1	aniaw	2016-03-05 13:37
add productDetails.html	aniaw	2016-03-05 12:49
add product module	aniaw	2016-03-05 10:05
update areaOfTrapezoid function	aniaw	2016-03-01 19:58
refactoring	aniaw	2016-03-01 19:53
add app.spec.js	aniaw	2016-03-01 19:53
add app.js	aniaw	2016-03-01 19:52
add index.html	aniaw	2016-03-01 19:47
initial commit	aniaw	2016-03-01 19:47

Version Control: Local Changes Log Console

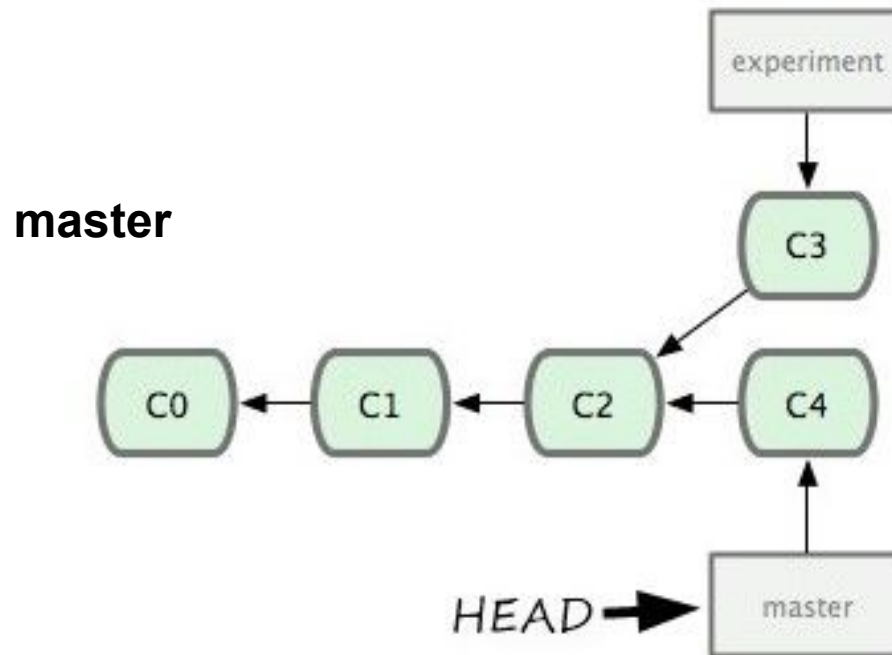
Filter:  Branch: All User: All Date: All Paths: All

Subject	Author	Date
HEAD master origin/master upstream/master Merge pull request #1	aniaw	2016-03-05 13:37
add productDetails.html	aniaw	2016-03-05 12:49
add product module	aniaw	2016-03-05 10:05
update areaOfTrapezoid function	aniaw	2016-03-01 19:58
refactoring	aniaw	2016-03-01 19:53
add app.spec.js	aniaw	2016-03-01 19:53
add app.js	aniaw	2016-03-01 19:52
add index.html	aniaw	2016-03-01 19:47
initial commit	aniaw	2016-03-01 19:47

C:\Users\Ania\WebstormProjects\fork\TiJO\_03\app\product 1 file

productDetails.html

# Scalanie zmian

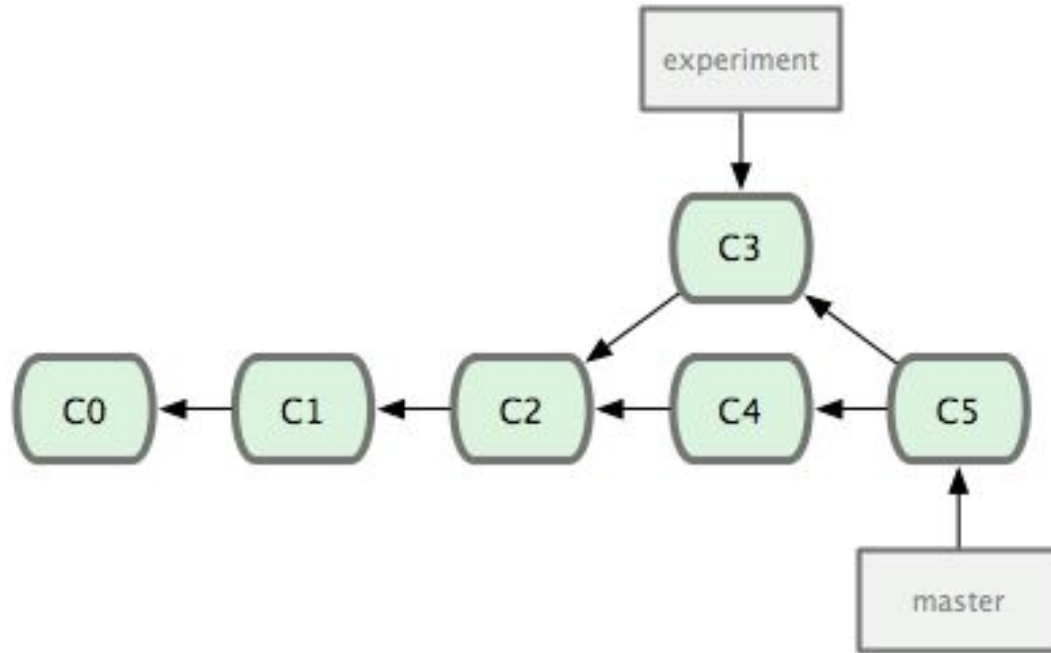


- rozpoczynamy od brancha **master**
- po wykonaniu trzech commitów (C0,C1,C2) został utworzony branch **experiment** (z nową funkcjonalnością) bazujący na commicie C2 brancha **master**
- na branchu **master**, równoległe do brancha **experiment** zacomitowano zmiany (C4)

**CEL:** integracja branchy - scalenie zmian do do głównego brancha **master**



# git merge



## git merge experiment

*git merge nazwa\_brancha*

Polecenie **git merge** wykonuje się na branchu do którego chcemy dodać zmiany.

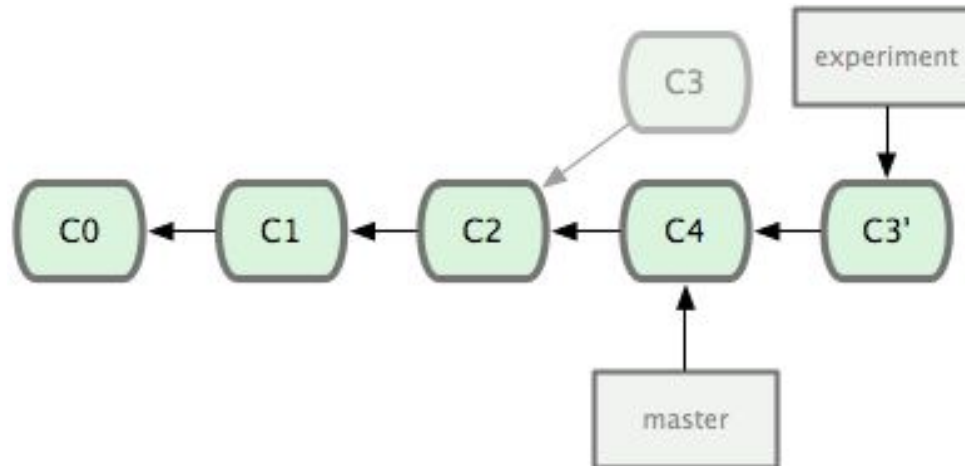
W przykładzie powyżej **HEAD** wskazuje na branch **master** (w przeciwnym razie należałoby użyć polecenia **git checkout master**).

Polecenie odszuka wspólnego przodka C4 i C3 - czyli C2 a następnie, odnajdzie konflikty (jeśli istnieją), które dopiero po ich rozwiązaniu utworzą **merge commita**

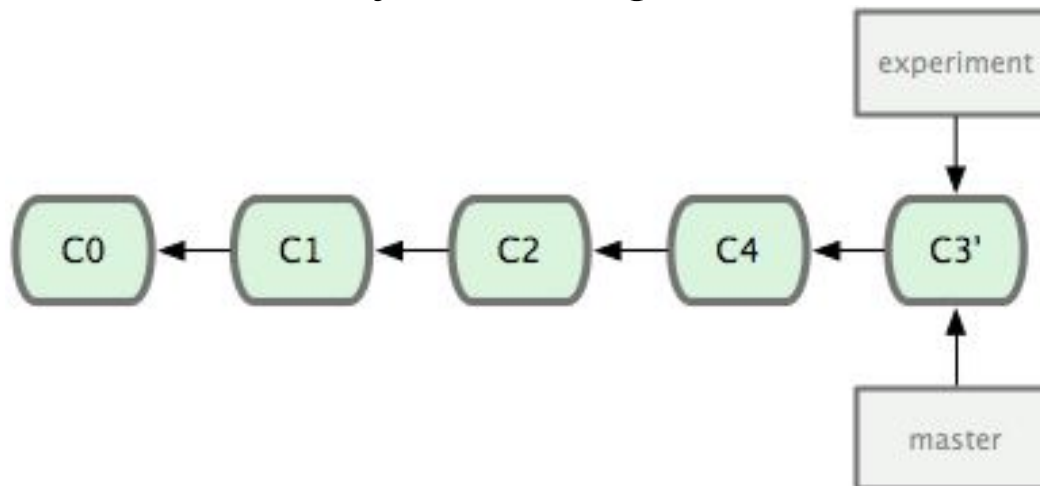
# git rebase

tworzy czystsza historię - tak, że wygląda ona na liniową jakby cała praca była wykonywana stopniowo, nawet jeśli oryginalnie odbywała się równolegle.

W trakcie git rebase



Po wykonaniu git rebase



Polecenie **git rebase** można wykonać z poziomu

- 1) brancha do którego chcemy dodać zmiany (**HEAD** na branch **master**, polecenie)

```
git rebase master experience
```

- 2) brancha, którego zmiany chcemy dodać do innego brancha (**HEAD** na branch **experience**)

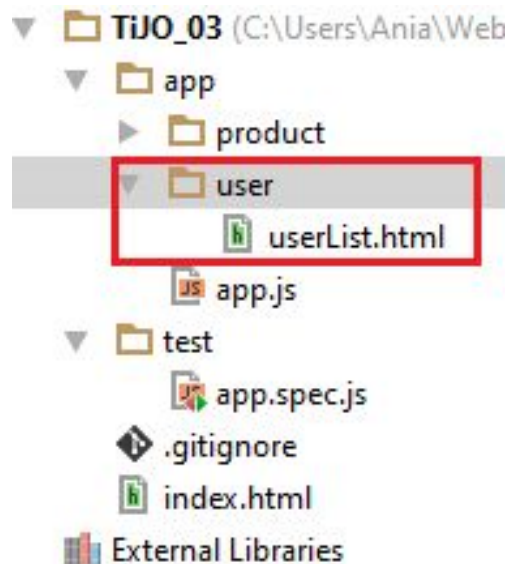
```
git rebase master
```

W przykładzie powyżej polecenie

```
git rebase master experience
```

- 1) odszuka wspólnego przodka C4 i C3 - czyli C2
- 2) zachowa commity z brancha experience (tutaj C3) w tymczasowych plikach,
- 3) zresetuje brancha ze zmianami (**experience**) do poziomu brancha master i commita z którego robimy **git rebase** (C4)
- 4) doda commity zaciągnięte z **experience** (C3).
- 5) mergujemy zmiany z branchem **master**

# Przykład



```
productList.html x ProductListCtrl.js x userList.html x
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>User list</title>
6 </head>
7 <body>
8   <table class="table table-condensed">
9     <thead>
10      <tr>
11        <th> Id</th>
12        <th> First name</th>
13        <th> Last name</th>
14      </tr>
15    </thead>
16    <tbody>
17      <tr>
18        <td> 1 </td>
19        <td> John </td>
20        <td> Smith </td>
```

**git add .**  
**git commit -m "add userList view"**

z poziomu branch **master**

## git checkout -b feature/userList

<table class="table table-condens:	8	7	<body>
<thead>	9	8	<table class="table table-condens:
<tr>	10	9	<thead>
<th> Id</th>	11	10	<tr>
<th> First name</th>	>> 12	11	<th> Id</th>
<th> Last name</th>	13	12 X	<th> Name </th>
</tr>	14	13	</tr>
</thead>	15	14	</thead>
<tbody>	16	15	<tbody>
<tr>	17	16	<tr>
<td> 1 </td>	18	17	<td> 1 </td>
<td> John </td>	>> 19	18 X	<td> John Smith</td>
<td> Smith </td>	20	19	</tr>
</tr>	21	20	<tr>
<tr>	22	21	<td> 2 </td>
<td> 2 </td>	23	22 X	<td> Stephan Swan</td>
<td> Stephan </td>	>> 24	23	</tr>
<td> Swan </td>	25	24	<tr>
</tr>	26	25	<td> 3 </td>
<tr>	27	26 X	<td> Marie Bell</td>
<td> 3 </td>	28	27	</tr>
<td> Marie </td>	>> 29	28	</tbody>
<td> Bell </td>	30	29	</table>
</tr>	31	30	</body>
</tbody>	32	31	</html>
</table>	33	32	

git add .

git commit -m "update userList structure"

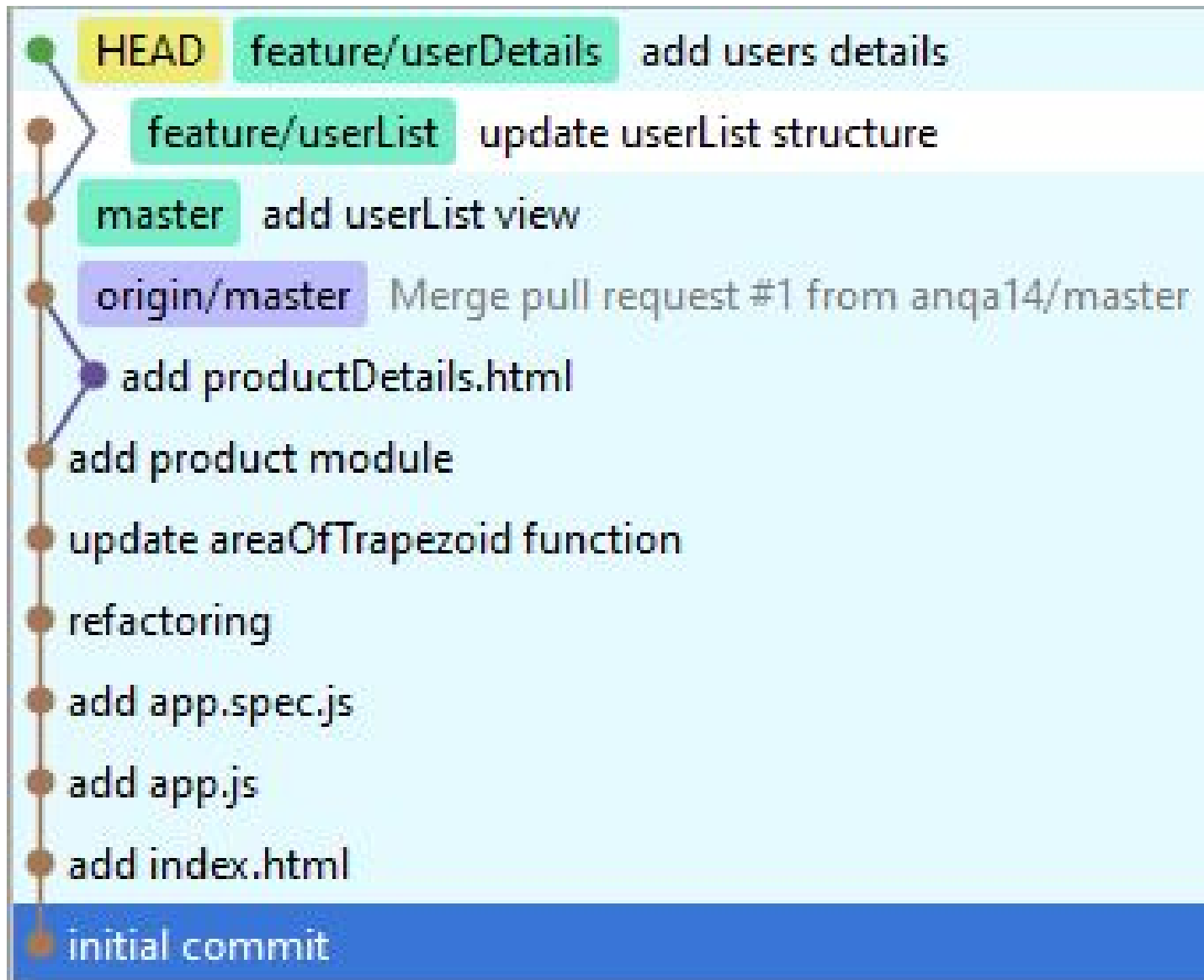
z poziomu branch **master**

## git checkout -b feature/userDetails

<code>&lt;tr&gt;</code>	10	12	<code>&lt;th&gt; First name&lt;/th&gt;</code>
<code>&lt;th&gt; Id&lt;/th&gt;</code>	11	13	<code>&lt;th&gt; Last name&lt;/th&gt;</code>
<code>&lt;th&gt; First name&lt;/th&gt;</code>	12	14 X	<code>&lt;th&gt; Age &lt;/th&gt;</code>
<code>&lt;th&gt; Last name&lt;/th&gt;</code>	13	15	<code>&lt;th&gt; Email &lt;/th&gt;</code>
<code>&lt;/tr&gt;</code>	>> 14	16	<code>&lt;/tr&gt;</code>
<code>&lt;/thead&gt;</code>	15	17	<code>&lt;/thead&gt;</code>
<code>&lt;tbody&gt;</code>	16	18	<code>&lt;tbody&gt;</code>
<code>&lt;tr&gt;</code>	17	19	<code>&lt;tr&gt;</code>
<code>&lt;td&gt; 1 &lt;/td&gt;</code>	18	20	<code>&lt;td&gt; 1 &lt;/td&gt;</code>
<code>&lt;td&gt; John &lt;/td&gt;</code>	19	21	<code>&lt;td&gt; John &lt;/td&gt;</code>
<code>&lt;td&gt; Smith &lt;/td&gt;</code>	20	22	<code>&lt;td&gt; Smith &lt;/td&gt;</code>
<code>&lt;/tr&gt;</code>	>> 21	23 X	<code>&lt;td&gt; 45 &lt;/td&gt;</code>
<code>&lt;tr&gt;</code>	22	24	<code>&lt;td&gt; john.smith@gmail.com &lt;/td&gt;</code>
<code>&lt;td&gt; 2 &lt;/td&gt;</code>	23	25	<code>&lt;/tr&gt;</code>
<code>&lt;td&gt; Stephan &lt;/td&gt;</code>	24	26	<code>&lt;tr&gt;</code>
<code>&lt;td&gt; Swan &lt;/td&gt;</code>	25	27	<code>&lt;td&gt; 2 &lt;/td&gt;</code>
<code>&lt;/tr&gt;</code>	>> 26	28	<code>&lt;td&gt; Stephan &lt;/td&gt;</code>
<code>&lt;tr&gt;</code>	27	29	<code>&lt;td&gt; Swan &lt;/td&gt;</code>
<code>&lt;td&gt; 3 &lt;/td&gt;</code>	28	30 X	<code>&lt;td&gt; 18 &lt;/td&gt;</code>
<code>&lt;td&gt; Marie &lt;/td&gt;</code>	29	31	<code>&lt;td&gt; stephan.swan@gmail.com &lt;/td&gt;</code>
<code>&lt;td&gt; Bell &lt;/td&gt;</code>	30	32	<code>&lt;/tr&gt;</code>
<code>&lt;/tr&gt;</code>	>> 31	33	<code>&lt;tr&gt;</code>
<code>&lt;/tbody&gt;</code>	32	34	<code>&lt;td&gt; 3 &lt;/td&gt;</code>
<code>&lt;/table&gt;</code>	33	35	<code>&lt;td&gt; Marie &lt;/td&gt;</code>
<code>&lt;/body&gt;</code>	34	36	<code>&lt;td&gt; Bell &lt;/td&gt;</code>
<code>&lt;/html&gt;</code>	35	37 X	<code>&lt;td&gt; 26 &lt;/td&gt;</code>
	36	38	<code>&lt;td&gt; marie.bell@gmail.com &lt;/td&gt;</code>
		39	<code>&lt;/tr&gt;</code>
		40	<code>&lt;/tbody&gt;</code>

git add .

git commit -m "add users details"



**git merge**



# git merge feature/userList

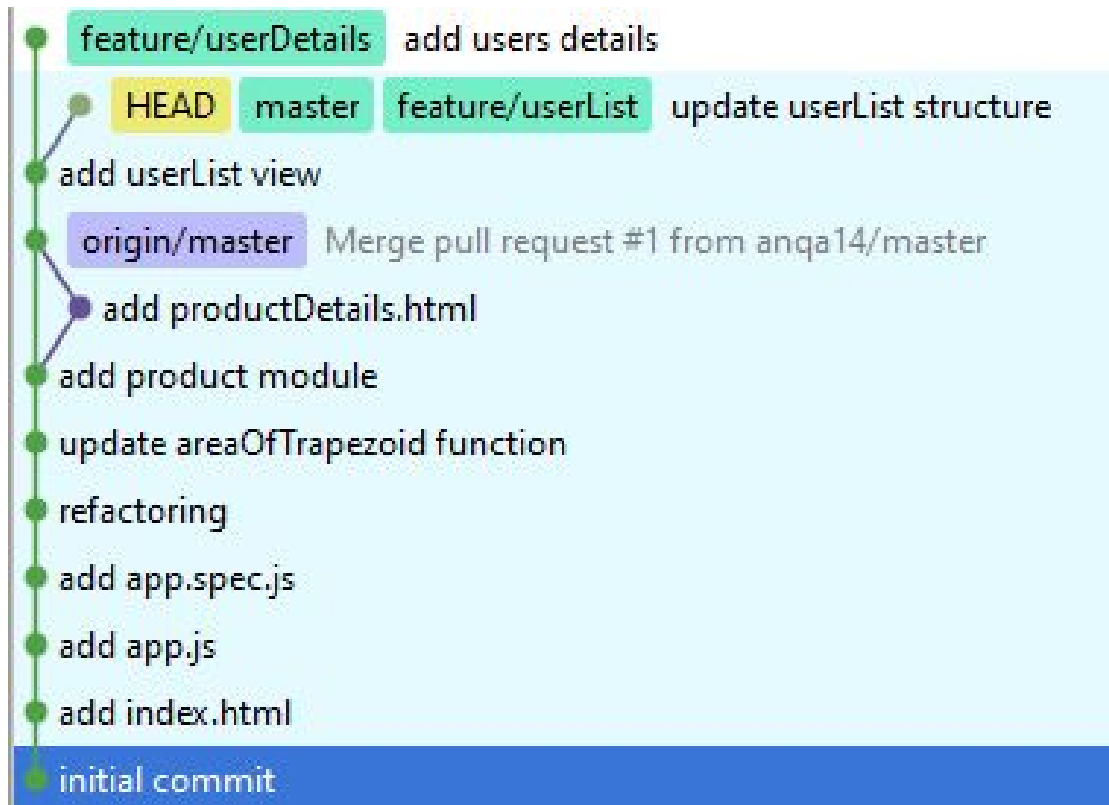
```
C:\Users\Ania\WebstormProjects\TiJO_03>git merge feature/userList
```

```
Updating ab33d86..c47c116
```

```
Fast-forward
```

```
app/user/userList.html | 12 ++++-----
```

```
1 file changed, 4 insertions(+), 8 deletions(-)
```



```
<table class="table table-condensed">
  <thead>
    <tr>
      <th> Id</th>
      <th> Name </th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td> 1 </td>
      <td> John Smith</td>
    </tr>
    <tr>
      <td> 2 </td>
      <td> Stephan Swan</td>
    </tr>
    <tr>
      <td> 3 </td>
      <td> Marie Bell</td>
    </tr>
  </tbody>
</table>
```

# git merge feature/userDetails

```
C:\Users\Ania\WebstormProjects\TiJO_03>git merge feature/userDetails
```

```
Auto-merging app/user/userList.html
```

```
CONFLICT (content): Merge conflict in app/user/userList.html
```

```
Automatic merge failed; fix conflicts and then commit the result.
```

▼ **TiJO\_03** (C:\Users\Ania\WebstormProjects\TiJO\_03)

▼ **app**

▶ **product**

▼ **user**

**userList.html**

**app.js**

▼ **test**

**app.spec.js**

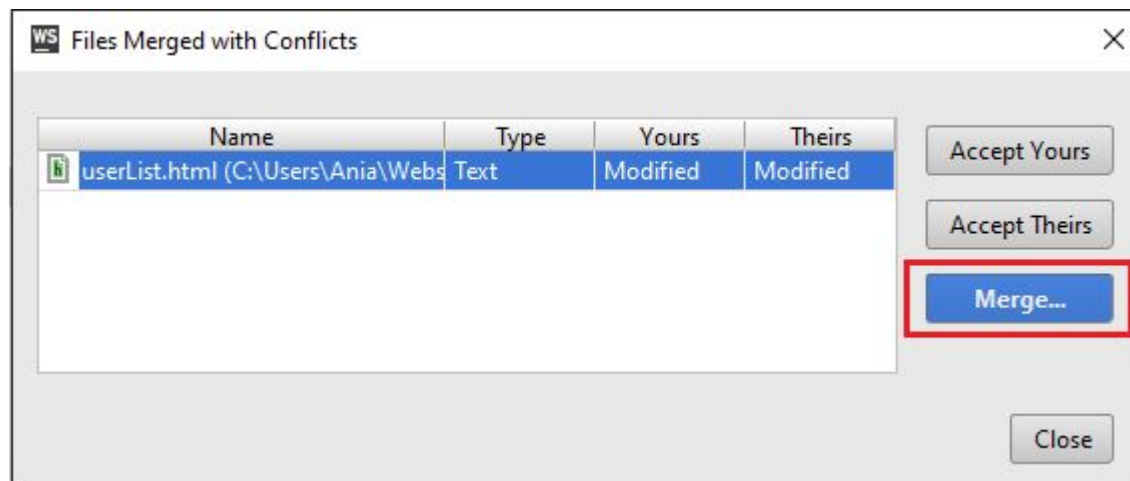
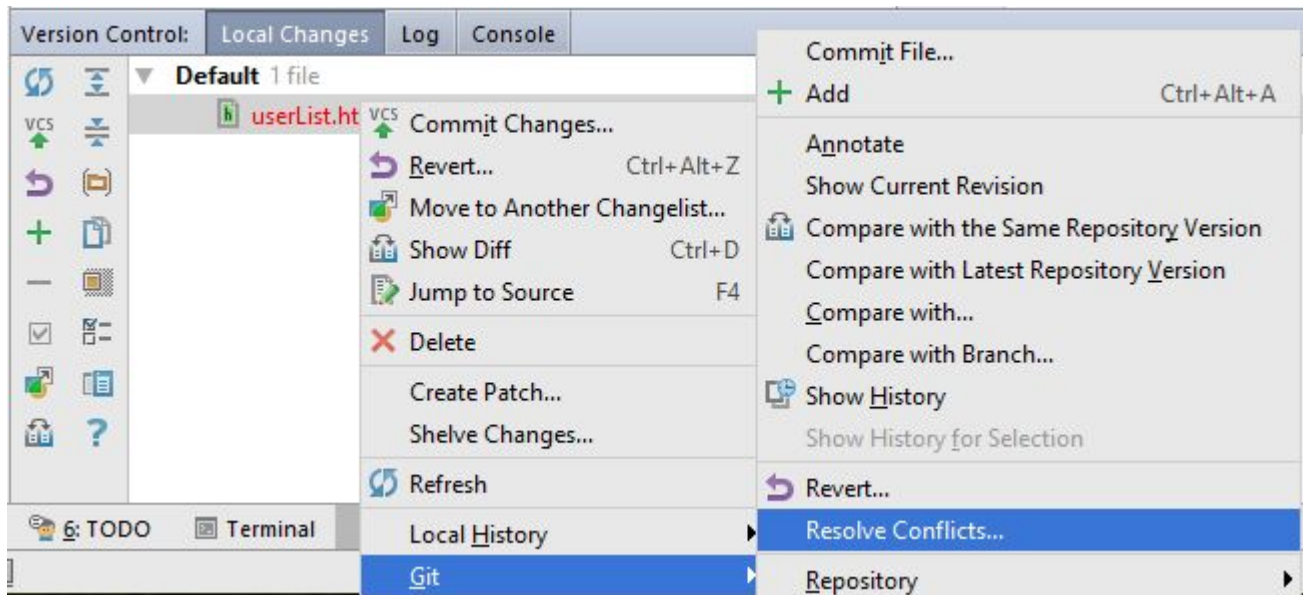
**.gitignore**

**index.html**

**External Libraries**

```
<==== HEAD
<th> Name </th>
=====
<th> First name</th>
<th> Last name</th>
<th> Age </th>
<th> Email </th>
>>>>> feature/userDetails
| </tr>
| </thead>
| <tbody>
| <tr>
| | <td> 1 </td>
<==== HEAD
| <td> John Smith</td>
| </tr>
| <tr>
| | <td> 2 </td>
| | <td> Stephan Swan</td>
| </tr>
| <tr>
| | <td> 3 </td>
| | <td> Marie Bell</td>
```

# rozwiązywanie konfliktów IDEA IntelliJ



# aktualny plik / rezultat mergowania / zmiany które mają zostać wprowadzone

WS Merge Revisions for C:\Users\Ania\WebstormProjects\TiJO\_03\app\user\userList.html

×

No changes. 4 conflicts

Local Changes (Read-only)

LF

Result

CRLF

Changes from Server (revision c8fe0b10d6a1f8b0b9dce3caa... LF

```
<head>
  <meta charset="UTF-8">
  <title>User list</title>
</head>
<body>
<table class="table table-condensed">
  <thead>
  <tr>
    <th> Id</th>
    <th> Name </th>
  </tr>
  </thead>
  <tbody>
  <tr>
    <td> 1 </td>
    <td> John Smith</td>
  </tr>
  <tr>
    <td> 2 </td>
    <td> Stephan Swan</td>
  </tr>
  <tr>
    <td> 3 </td>
    <td> Marie Bell</td>
  </tr>
  </tbody>
</table>
</body>
</html>
```

```
3 4
4 5
5 6
6 7
7 8
8 9
9 10
10 11
11 12
12 13
13 14
14 15
15 16
16 17
17 18
18 19
19 20
20 21
21 22
22 23
23 24
24 25
25 26
26 27
27 28
28 29
29 30
30 31
31 32
32 33
```

```
<meta charset="UTF-8">
<title>User list</title>
</head>
<body>
<table class="table table-condensed">
  <thead>
  <tr>
    <th> Id</th>
    <th> First name</th>
    <th> Last name</th>
  </tr>
  </thead>
  <tbody>
  <tr>
    <td> 1 </td>
    <td> John </td>
    <td> Smith </td>
  </tr>
  <tr>
    <td> 2 </td>
    <td> Stephan </td>
    <td> Swan </td>
  </tr>
  <tr>
    <td> 3 </td>
    <td> Marie </td>
    <td> Bell </td>
  </tr>
  </tbody>
</table>
</body>
</html>
```

```
</head>
<body>
<table class="table table-condensed">
  <thead>
  <tr>
    <th> Id</th>
    <th> First name</th>
    <th> Last name</th>
    <th> Age </th>
    <th> Email </th>
  </tr>
  </thead>
  <tbody>
  <tr>
    <td> 1 </td>
    <td> John </td>
    <td> Smith </td>
    <td> 45 </td>
    <td> john.smith@gmail.com </td>
  </tr>
  <tr>
    <td> 2 </td>
    <td> Stephan </td>
    <td> Swan </td>
    <td> 18 </td>
    <td> stephan.swan@gmail.com </td>
  </tr>
  <tr>
    <td> 3 </td>
    <td> Marie </td>
    <td> Bell </td>
  </tr>
  </tbody>
</table>
</body>
</html>
```

Accept Left

Accept Right

Apply

Abort



# po rozwiązaniu konfliktów

WS Merge Revisions for C:\Users\Ania\WebstormProjects\TijO\_03\app\user\userList.html

Local Changes (Read-only)      LF      Result      CRLF      Changes from Server (revision c8fe0b10d6a1f8b0b9dce3caa453a... LF

All conflicts resolved

Local Changes (Read-only)	LF	Result	CRLF	Changes from Server (revision c8fe0b10d6a1f8b0b9dce3caa453a... LF
<meta charset="UTF-8">	4	6	</head>	7
<title>User list</title>	5	7	<body>	8
</head>	6	8	<table class="table table-condensed">	9
<body>	7	9	<thead>	10
<table class="table table-condensed">	8	10	<tr>	11
<thead>	9	11	<th> Id</th>	12
<tr>	10	12	<th> Name </th>	13
<th> Id</th>	11	13	<th> Age </th>	14
<th> Name </th>	12	14	<th> Email </th>	15
</tr>	13	15	</tr>	16
</thead>	14	16	</thead>	17
<tbody>	15	17	<tbody>	18
<tr>	16	18	<tr>	19
<td> 1 </td>	17	19	<td> 1 </td>	20
<td> John Smith</td>	18	20	<td> John Smith</td>	21
</tr>	19	21	<td> 45 </td>	22
<tr>	20	22	<td> john.smith@gmail.com </td>	23
<td> 2 </td>	21	23	</tr>	24
<td> Stephan Swan</td>	22	24	<tr>	25
</tr>	23	25	<td> 2 </td>	26
<tr>	24	26	<td> Stephan Swan</td>	27
<td> 3 </td>	25	27	<td> 18 </td>	28
<td> Marie Bell</td>	26	28	<td> stephan.swan@gmail.com </td>	29
</tr>	27	29	</tr>	30
</tbody>	28	30	<tr>	31
</table>	29	31	<td> 3 </td>	32
</body>	30	32	<td> Marie Bell</td>	33
</html>	31	33	<td> 26 </td>	34
	32	34	<td> marie.bell@gmail.com </td>	35
	33	35	</tr>	36
	34	36	</thead>	37

Accept Left      Accept Right      **Apply**      Abort

## git status

```
C:\Users\Ania\WebstormProjects\TiJO_03>git status

On branch master
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)

All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:

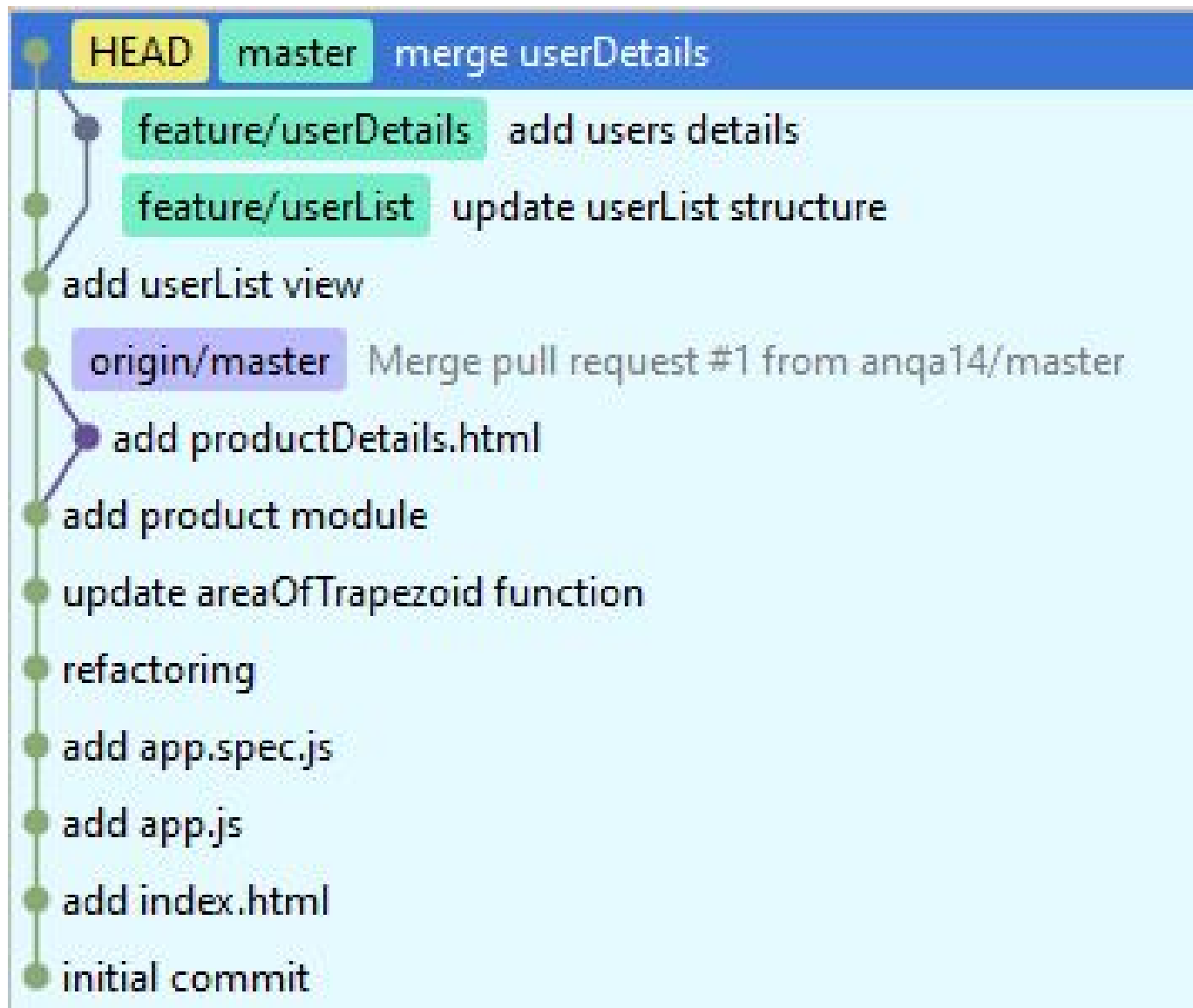
  modified:   app/user/userList.html
```



## git commit -m “merge userDetails”

```
C:\Users\Ania\WebstormProjects\TiJO_03>git commit -m "merge userDetails"

[master 7f416d4] merge userDetails
```





**git rebase**

## git rebase master feature/userList

polecenie przeniesie nas na branch **feature/userList** - którą możemy zmergować do branch **master** bez konfliktów

## git checkout master

## git merge feature/userDetails

```
C:\Users\Ania\WebstormProjects\TiJO_03>git rebase master feature/userList
Current branch feature/userList is up to date.
```

```
C:\Users\Ania\WebstormProjects\TiJO_03>git merge feature/userList
```

```
Updating b14bfcb..f694d78
```

```
Fast-forward
```

```
app/user/userList.html | 12 ++++-----
```

```
1 file changed, 4 insertions(+), 8 deletions(-)
```

# git rebase master feature/userDetails

```
C:\Users\Ania\WebstormProjects\TiJO_03>git merge feature/userList
```

```
Updating b14bfc..f694d78
```

```
Fast-forward
```

```
app/user/userList.html | 12 ++++-----
```

```
1 file changed, 4 insertions(+), 8 deletions(-)
```

```
C:\Users\Ania\WebstormProjects\TiJO_03>git rebase master feature/userDetails
```

```
First, rewinding head to replay your work on top of it...
```

```
Applying: add users details
```

```
Using index info to reconstruct a base tree...
```

```
M      app/user/userList.html
```

```
Falling back to patching base and 3-way merge...
```

```
Auto-merging app/user/userList.html
```

```
CONFLICT (content): Merge conflict in app/user/userList.html
```

```
error: Failed to merge in the changes.
```

```
Patch failed at 0001 add users details
```

```
The copy of the patch that failed is found in: .git/rebase-apply/patch
```

When you have resolved this problem, run "git rebase --continue".

If you prefer to skip this patch, run "git rebase --skip" instead.

To check out the original branch and stop rebasing, run "git rebase --abort".

# rozwiązujemy konflikty

Git: Rebasing # 🔒

Files Merged with Conflicts

Name	Type	Yours	Theirs
userList.html (C:\Users\Ania\WebstormProjects\TJQ_03\app\user\userList.html)	Text	Modified	Modified

Accept Yours  
Accept Theirs

Merge Revisions for C:\Users\Ania\WebstormProjects\TJQ\_03\app\user\userList.html

No changes. 4 conflicts

Local Changes (Read-only)	LF	Result	CRLF	Changes from Server (revision c8fe0b10d6a1f8b0b9dce3caa... LF)
<head>	3	4		6
<meta charset="UTF-8">	4	5		7
<title>User list</title>	5	6		8
</head>	6	7		9
<body>	7	8		10
<table class="table table-condensed">	8	9		11
<thead>	9	10		12
<tr>	10	11		13
<th> Id</th>	11	12		14
<th> Name </th>	12	13		15
</tr>	13	14		16
</thead>	14	15		
<tbody>	15	16		
<tr>	16	17		
<td> 1 </td>	17	18		
<td> John Smith</td>	18	19		
</tr>	19	20		
<tr>	20	21		
<td> 2 </td>	21	22		
<td> Stephan Swan</td>	22	23		
</tr>	23	24		
<tr>	24	25		
<td> 3 </td>	25	26		
<td> Marie Bell</td>	26	27		
</tr>	27	28		
</tbody>	28	29		
</table>	29	30		
</body>	30	31		
</html>	31	32		

Accept Left  
Accept Right

Merge Revisions for C:\Users\Ania\WebstormProjects\TJQ\_03\app\user\userList.html

All conflicts resolved

Local Changes (Read-only)	LF	Result	CRLF	Changes from Server (revision c8fe0b10d6a1f8b0b9dce3caa453a... LF)
<head>	4	6		7
<meta charset="UTF-8">	5	7		8
<title>User list</title>	6	8		9
</head>	7	9		10
<body>	8	10		11
<table class="table table-condensed">	9	11		12
<thead>	10	12		13
<tr>	11	13		14
<th> Id</th>	12	14		15
<th> Name </th>	13	15		16
</tr>	14	16		17
</thead>	15	17		18
<tbody>	16	18		19
<tr>	17	19		20
<td> 1 </td>	18	20		21
<td> John Smith</td>	19	21		22
</tr>	20	22		23
<tr>	21	23		24
<td> 2 </td>	22	24		25
<td> Stephan Swan</td>	23	25		26
</tr>	24	26		27
<tr>	25	27		28
<td> 3 </td>	26	28		29
<td> Marie Bell</td>	27	29		30
</tr>	28	30		31
</tbody>	29	31		32
</table>	30	32		33
</body>	31	33		34
</html>	32	34		35

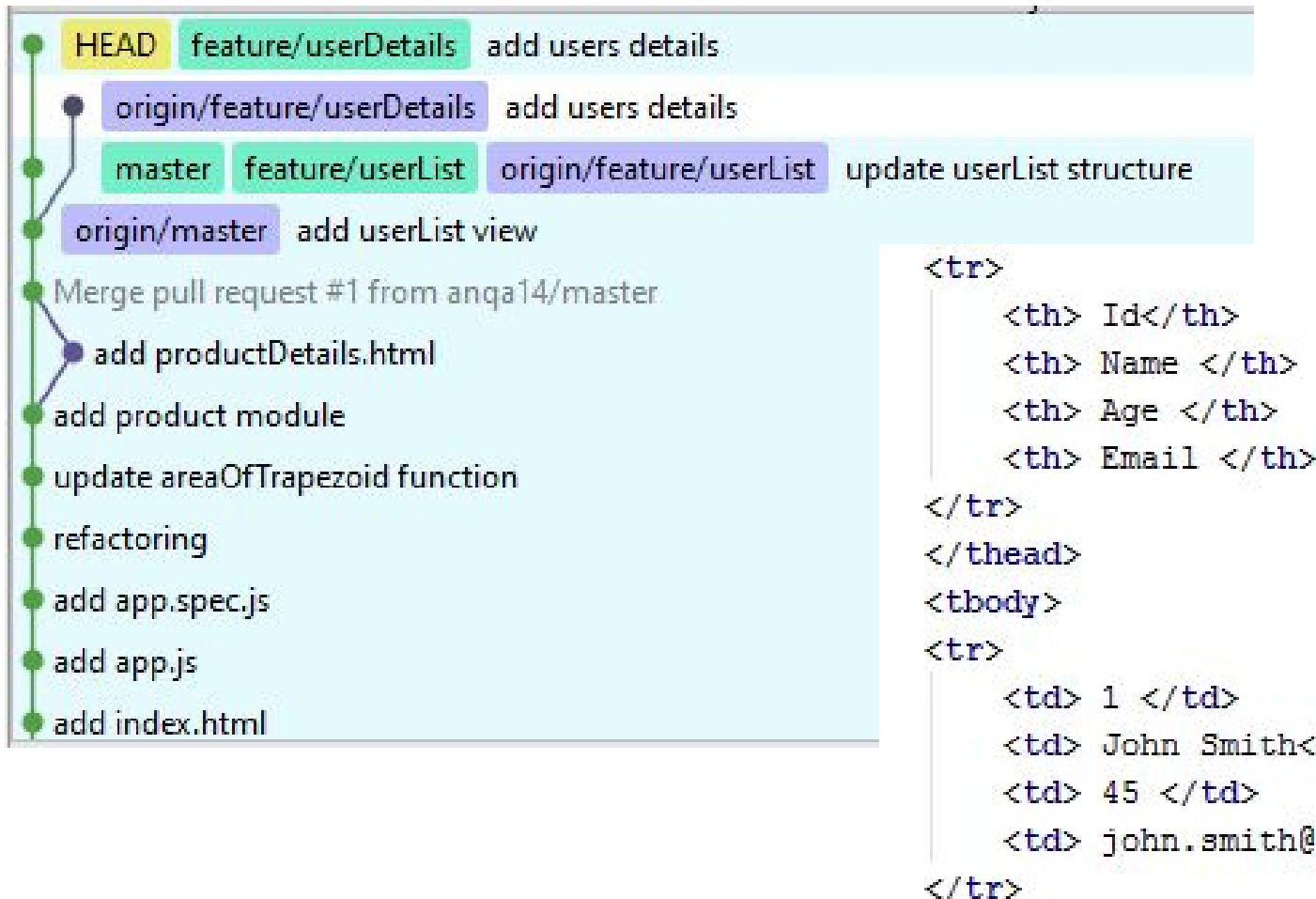
Accept Left  
Accept Right

Apply  
Abort

# git rebase --continue

```
C:\Users\Ania\WebstormProjects\TiJO_03>git rebase --continue
```

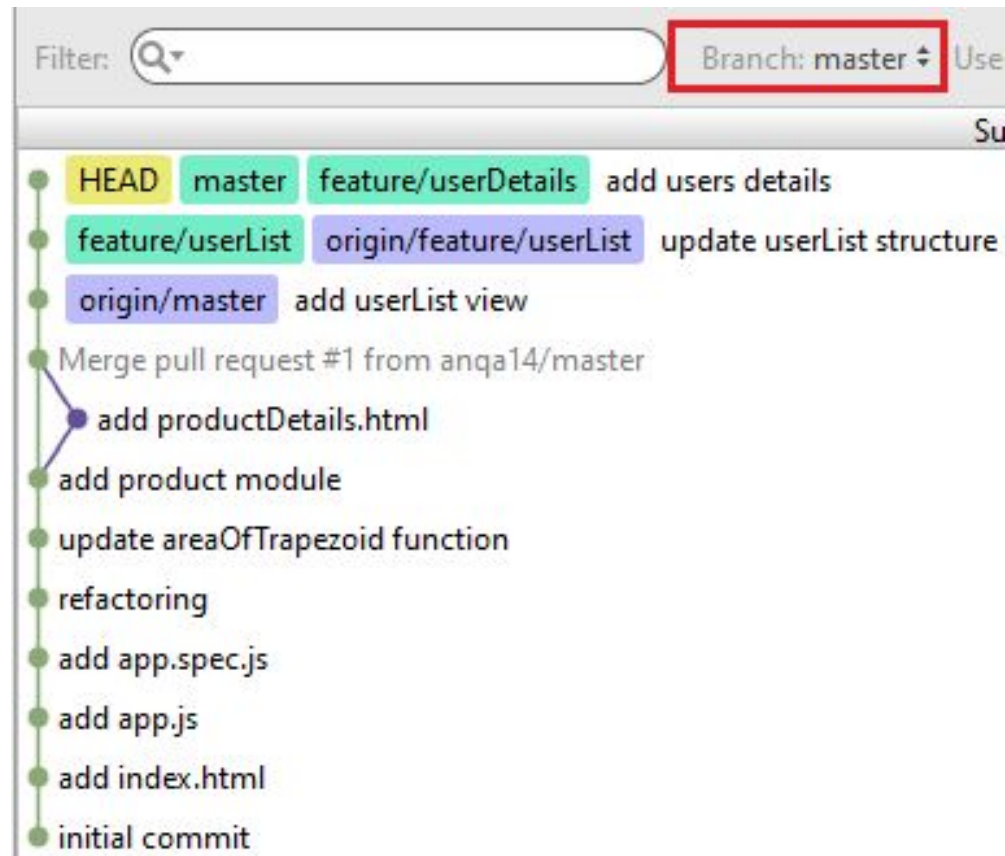
```
Applying: add users details
```



# git checkout master

## git merge feature/userDetails

```
C:\Users\Ania\WebstormProjects\TiJO_03>git merge feature/userDetails
Updating f694d78..46113f5
Fast-forward
 app/user/userList.html | 8 +++++++
1 file changed, 8 insertions(+)
```



## Po dodaniu zmian usunąć niepotrzebne gałęzie

```
git branch -D feature/userList
```

```
git branch -D feature/userDetails
```

```
git push origin :feature/userList
```

```
git push origin :feature/userDetails
```

