# 03. Git - push pull

wludyka.anna@gmail.com
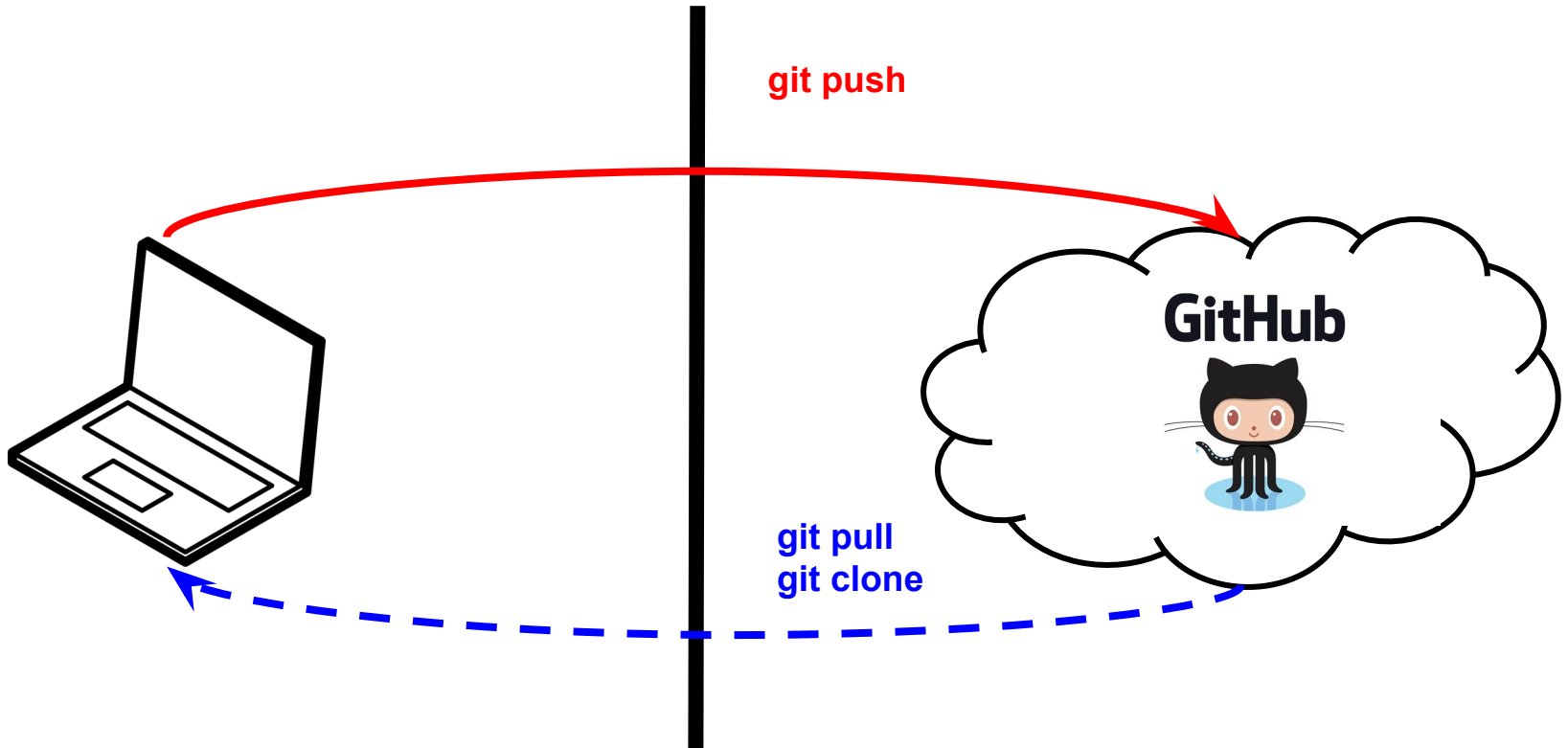
09.03.2016

- 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**

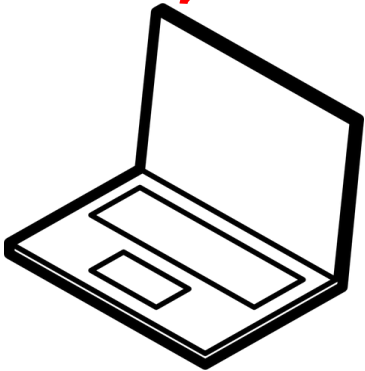**REPOZYTORIUM LOKALNE**

**REPOZYTORIUM ZDALNE**

**git push**

GitHub

**git pull**
**git clone**

# REPOZYTORIUM LOKALNE

# REPOZYTORIUM ZDALNE

# github.com
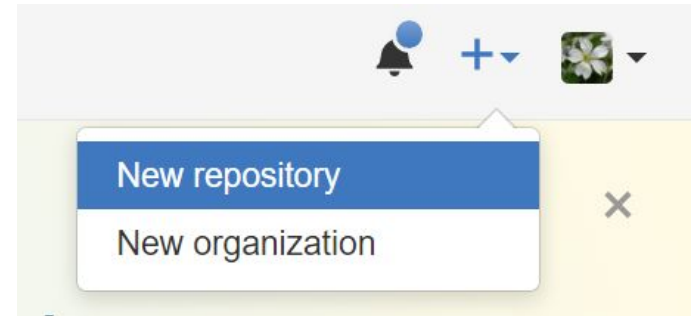
git **init** - w folderze projektu

**git init** ⟶ .git

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

**git push origin master**

**REPOZYTORIUM LOKALNE**

**REPOZYTORIUM ZDALNE**

**git clone https://github.com/aniaw/TiJO_02.git**
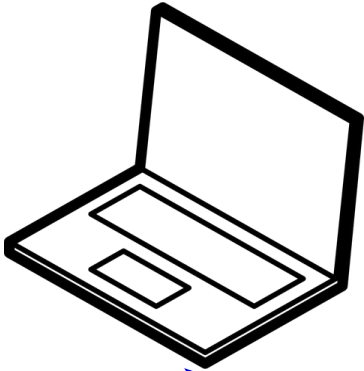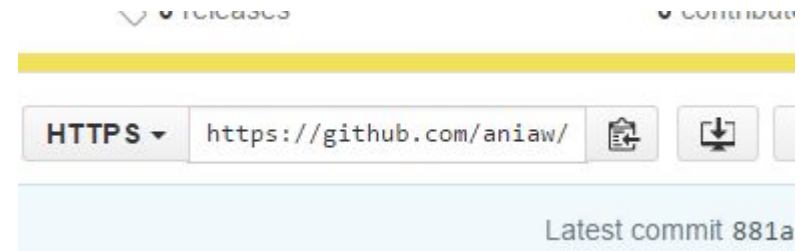
HTTPS ▾  https://github.com/aniaw/

Latest commit 881a

GitHub

**TiJO_02**
- **.git**

| Version Control: | Local Changes | Log | Console |
|---|---|---|---|

Filter: Q▾    **TUTAJ JESTEŚ**    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 anga14/master

● add productDetails.html

add product module

update areaOfTrapezoid function

refactoring

**GAŁĄŹ ZDALNA (GITHUB)**

**GAŁĄŹ LOKALNA**

# Konsola IDEA IntelliJ

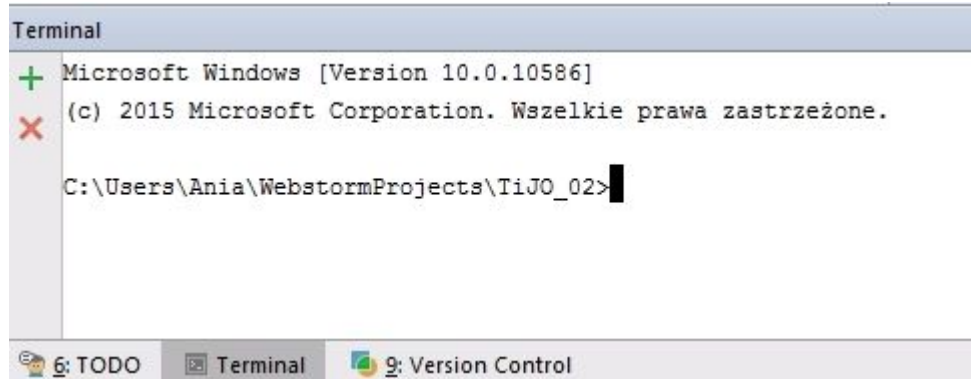# Konsola systemowa - Windows
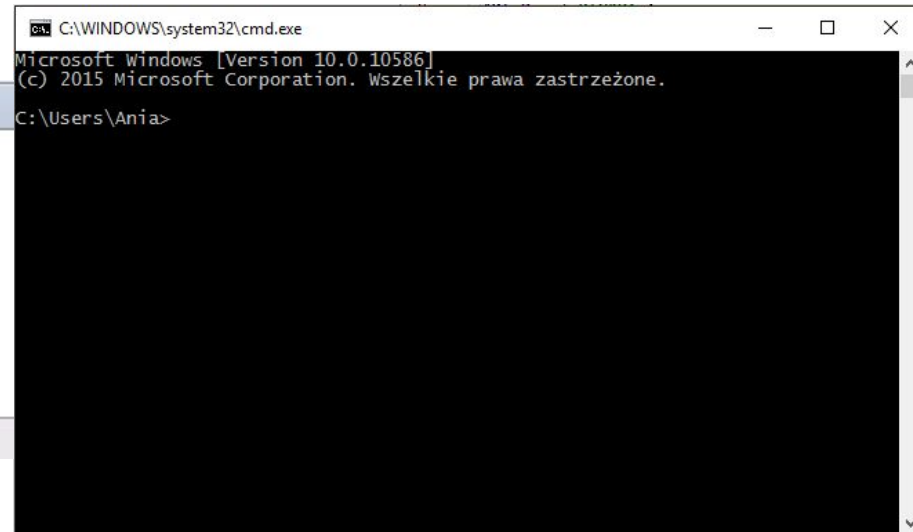
**Terminal**

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

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

6: TODO    Terminal    9: Version Control

```
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

# Schowek

```
TiJO_02 (C:\Users\Ania\WebstormProjects\TiJO_02)
  app
    app.js
    route.js
  test
  .gitignore
  index.html
External Libraries
```
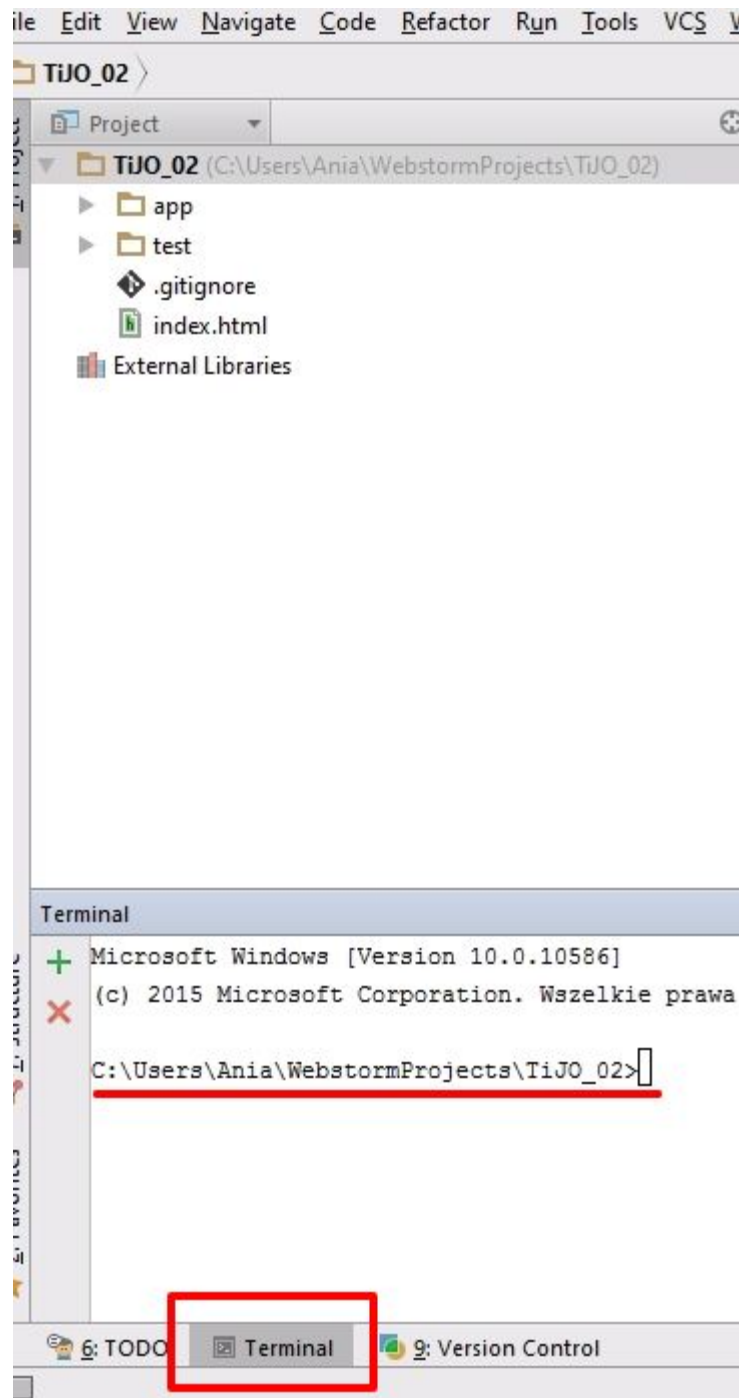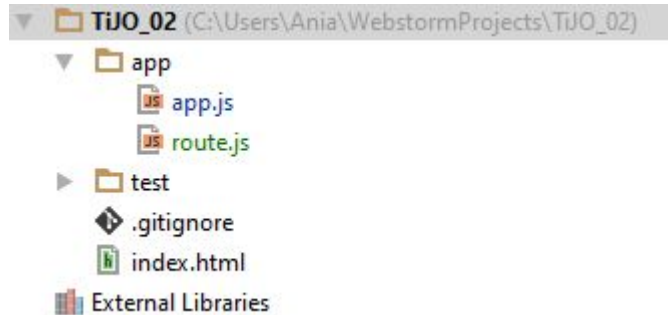
```
C:\Users\Ania\WebstormProjects\TiJO_02>git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)


        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

```
TiJO_02 (C:\Users\Ania\WebstormProjects\TiJO_02)
  app
    user
      user.controller.js
      user.view.html
    app.js
    route.js
  test
  .gitignore
  index.html
External Libraries
```

```
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
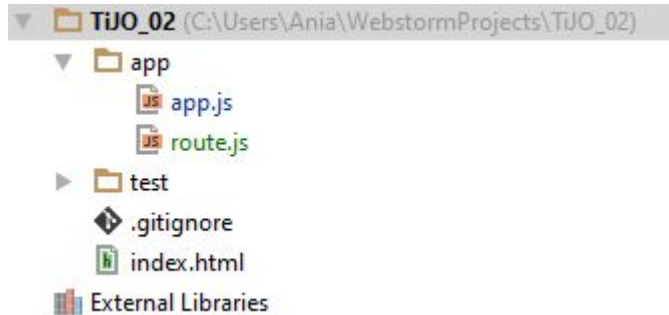
TiJO_02 (C:\Users\Ania\WebstormProjects\TiJO_02)
- app
  - app.js
  - route.js
- test
- .gitignore
- index.html
- External Libraries

```
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
```
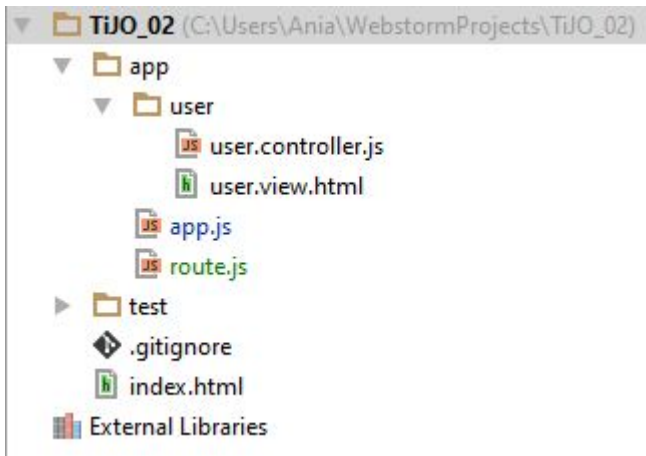
## git stash

```
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
```

TiJO_02 (C:\Users\Ania\WebstormProjects\TiJO_02)
- app
  - app.js
- test
- .gitignore
- index.html
- External Libraries
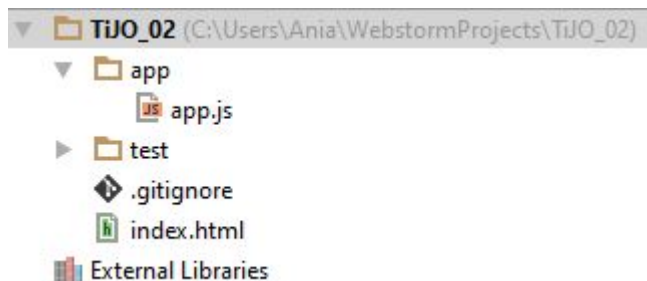
```
C:\Users\Ania\WebstormProjects\TiJO_02>git status
On branch master
nothing to commit, working directory clean
```

# 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

```
TiJO_02 (C:\Users\Ania\WebstormProjects\TiJO_02)
  app
    app.js
    route.js
  test
  .gitignore
  index.html
External Libraries
```
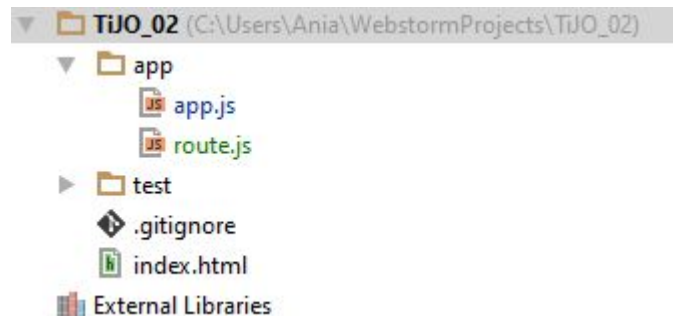
```
C:\Users\Ania\WebstormProjects\TiJO_02>git stash pop
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        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)
```

# Schowek - IDEA IntelliJ
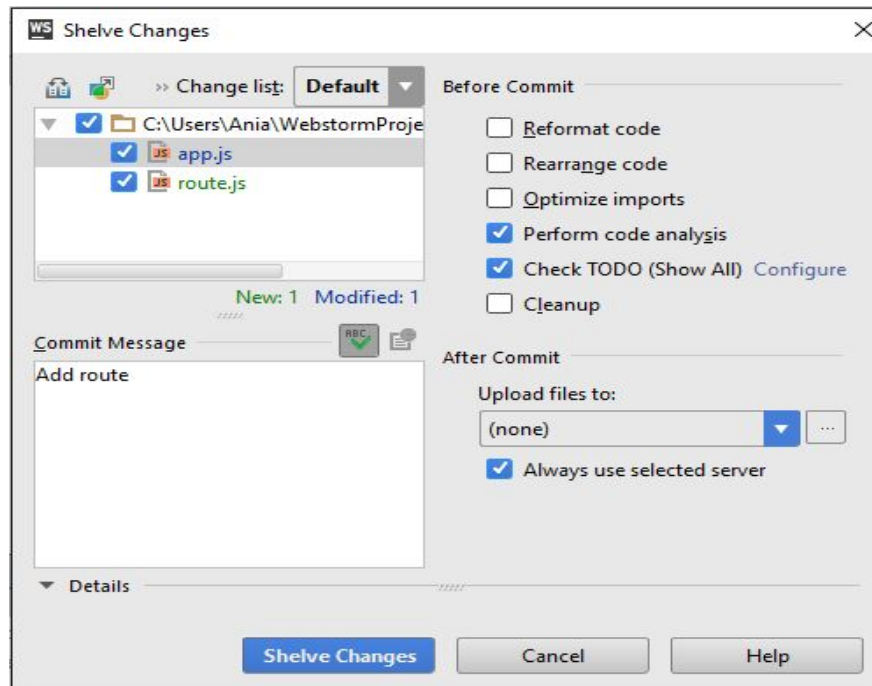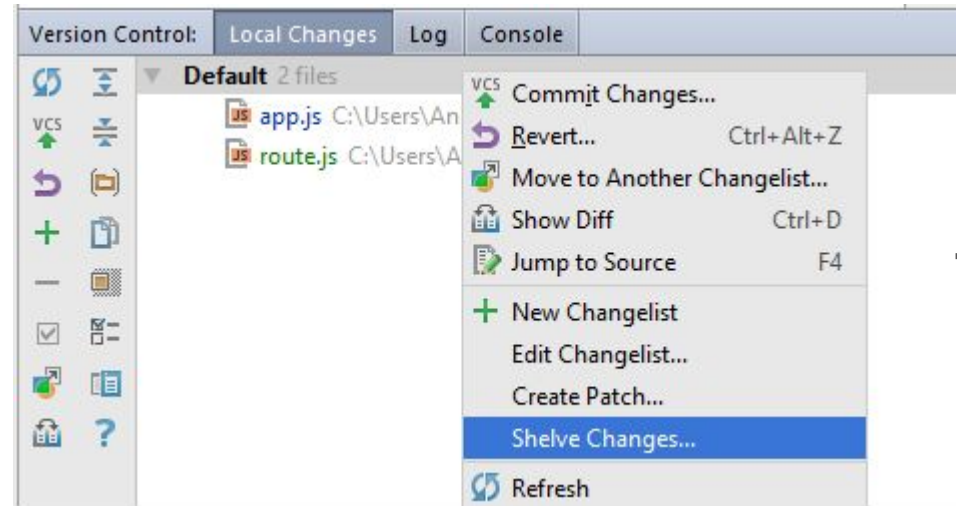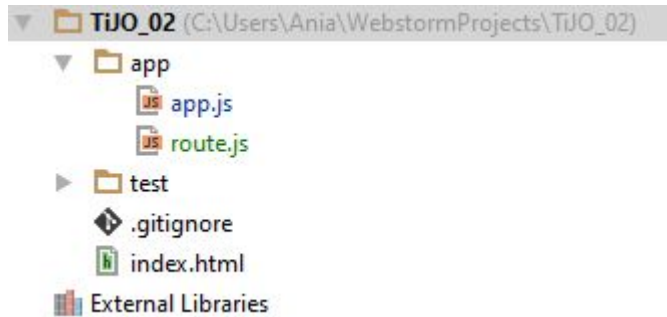
# Schowek - IDEA IntelliJ
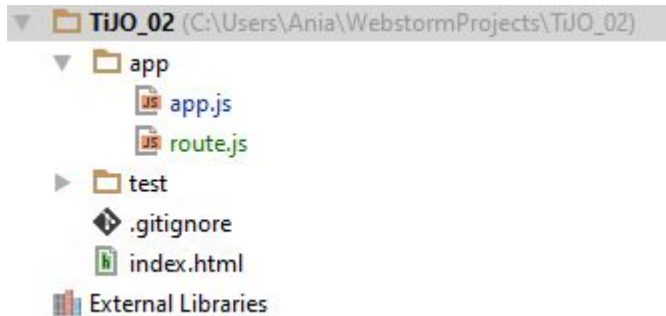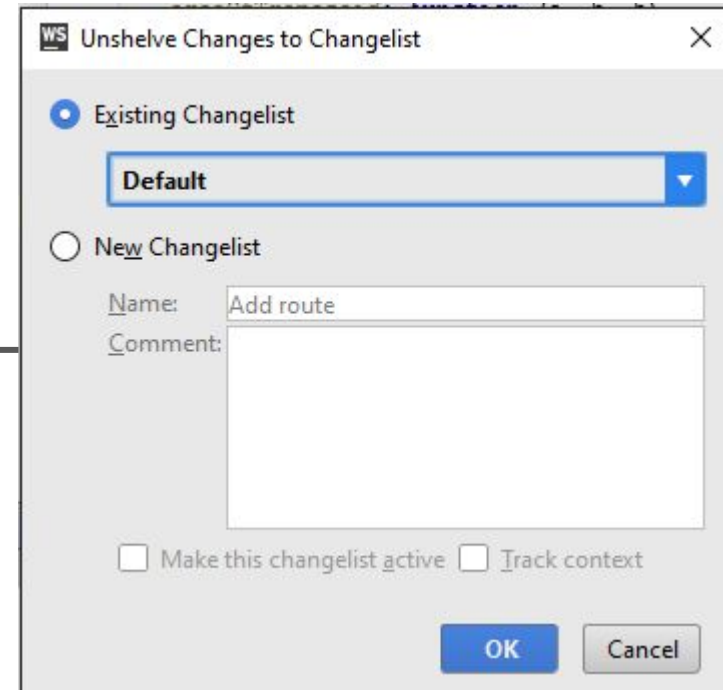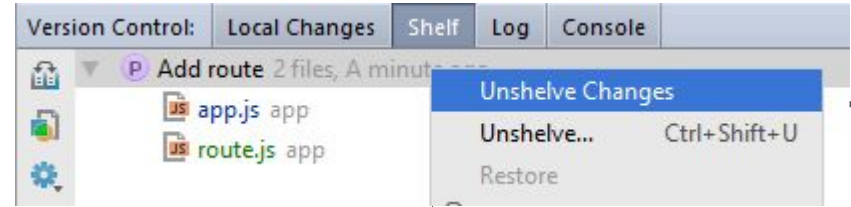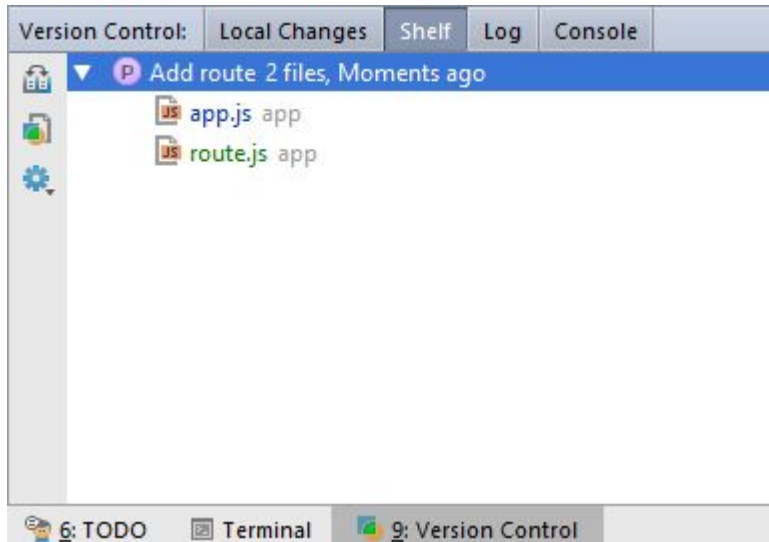
# Branch zdalny -> branch lokalny

**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'
```
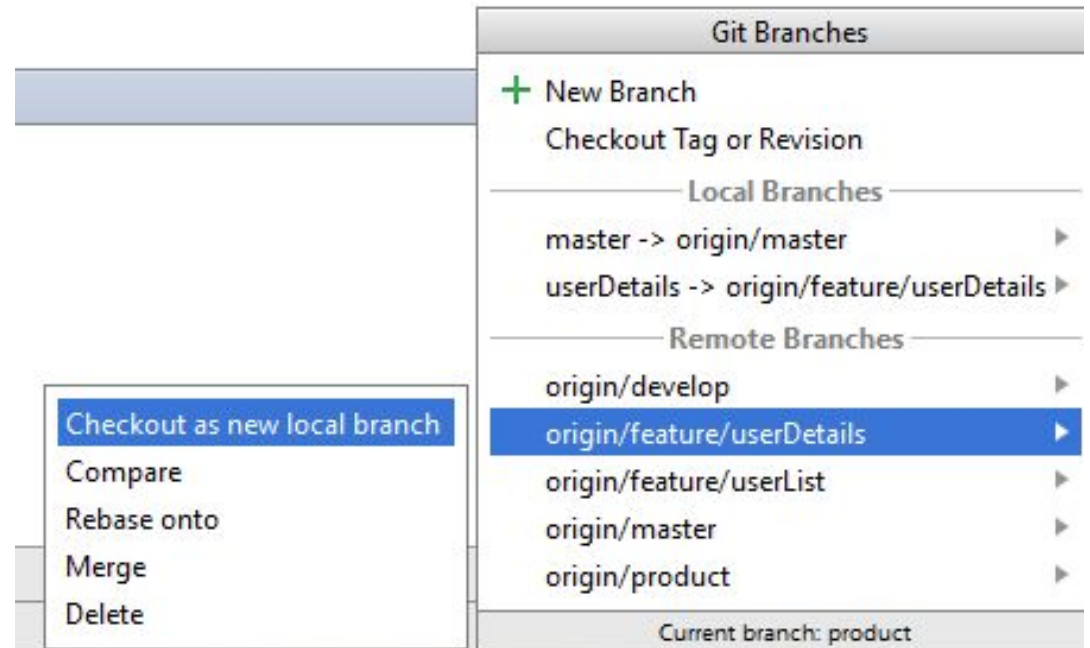
# Współpraca z innym repozytorium

aniaw / **TiJO_03**

TiJO_03 (C:\Users\Ania\WebstormProjects\TiJO_03)
- app
  - product
    - productList.html
    - ProductListCtrl.js
  - app.js
- test
  - app.spec.js
- .gitignore
- index.html
- External Libraries

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

Commits on Mar 5, 2016

add product module
aniaw committed 12 minutes 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              31dafe9   <>

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   <>

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

📋 31dafe9 ‹›

**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 ‹›

# 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 master**

**==**

**git push origin master**

**origin** jest aliasem dla adresu **https://github.com/aniaw/TiJO_03.git**

aniaw / **TiJO_03**

anqa14 / **TiJO_03**
forked from aniaw/TiJO_03

**GitHub**

**sforkuj**

**GitHub**

**upstream**

**origin**

**git clone** https://github.com/aniaw/TiJO_03.git

**git remote add upstream https://github.com/aniaw/TiJO_03.git**
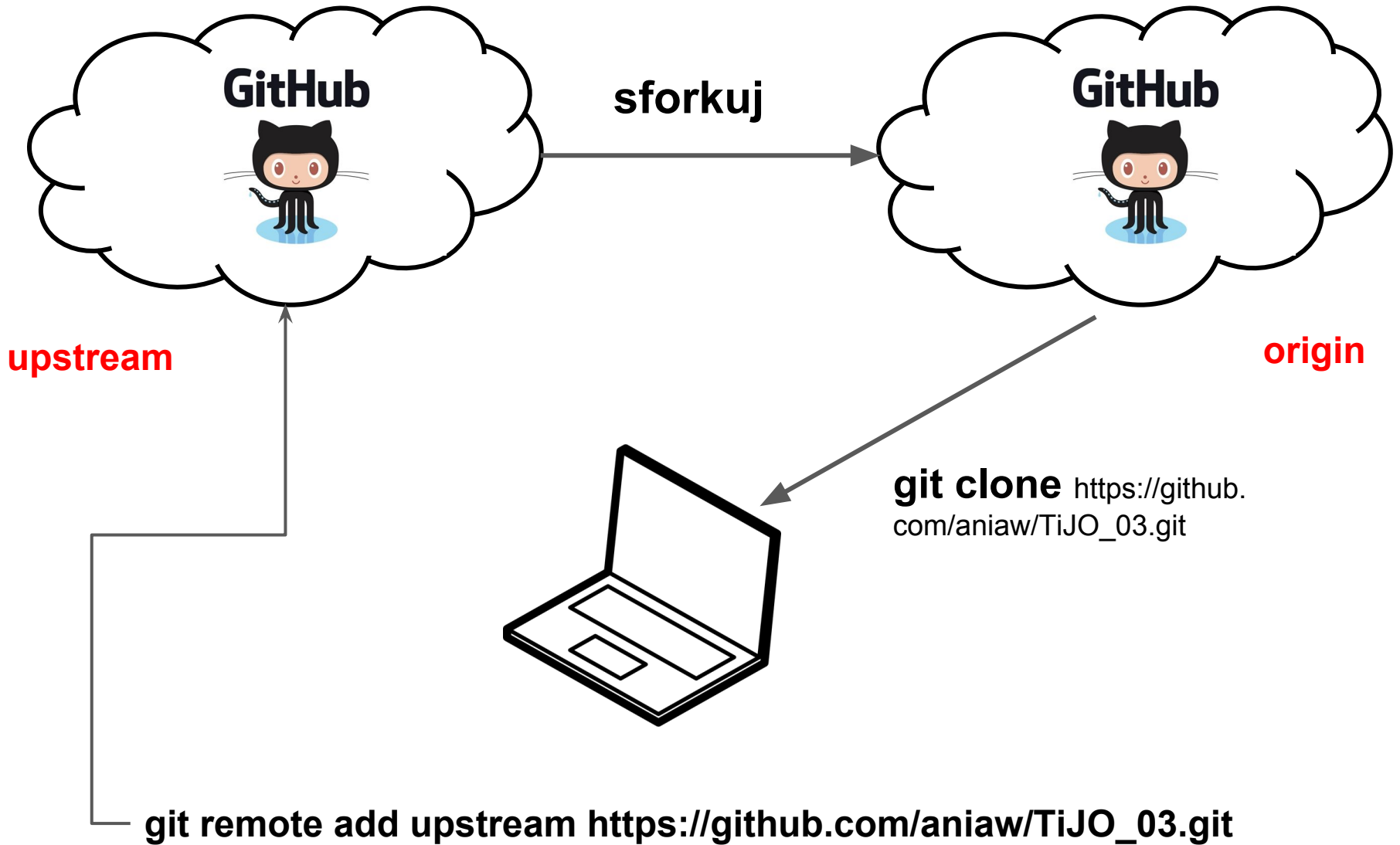
# git fetch nazwa_repozytorium

```
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
```

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

# git push origin master



HEAD | master | origin/master | upstream/master | add product module
update areaOfTrapezoid function
refactoring
add app.spec.js
add app.js
add index.html
initial commit
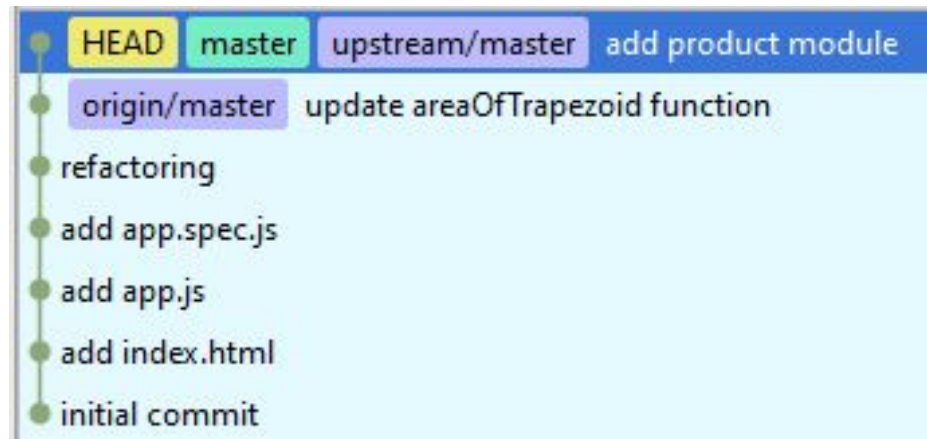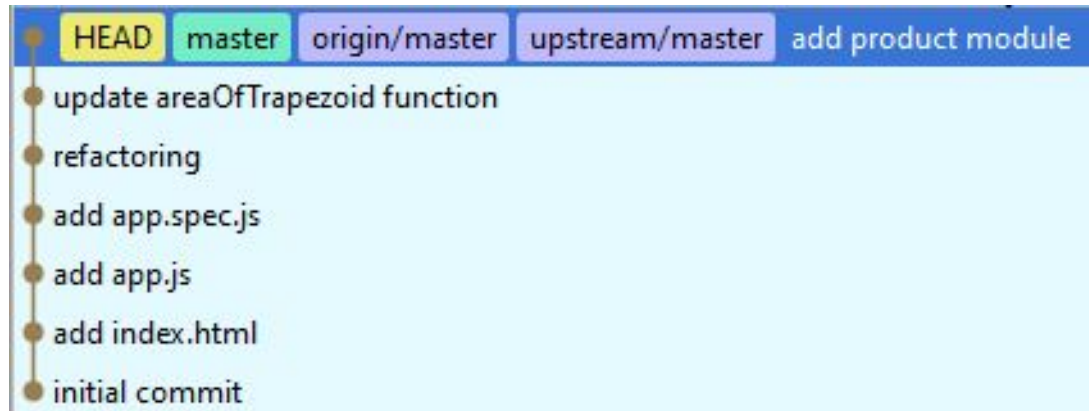
Commits on Mar 5, 2016

**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
31dafe9 <>

**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 <>

TiJO_03 (C:\Users\Ania\WebstormPr...
- app
  - product
    - productDetails.html
    - productList.html
    - ProductListCtrl.js
  - app.js
- test
- .gitignore
- index.html
External Libraries

# Wysyłanie swoich zmian do innego repozytorium

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

| HEAD | master | origin/master | add productDetails.html |

| upstream/master | add product module |

update areaOfTrapezoid function

refactoring

add app.spec.js

add app.js

add index.html

initial commit

# Pull request

wykonany z gałęzi **master**

# Pull request

# Pull request

aniaw / **TiJO_03**

## add productDetails.html #1

**⋔ Open** | **anqa14** wants to merge 1 commit into `aniaw:master` from `anqa14:master`

⌨ Conversation 0    -o- Commits 1    Files changed 1

**anqa14** commented 3 minutes ago

*No description provided.*

-o-    ⊡   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*   ❝ <> ⊚   ☰ ☰ ✓☰   @ ⚑ |

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   -o- 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     ⑪ 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**

| HEAD | master | origin/master | add productDetails.html |

upstream/master  add product module

update areaOfTrapezoid function

refactoring

add app.spec.js

add app.js

add index.html

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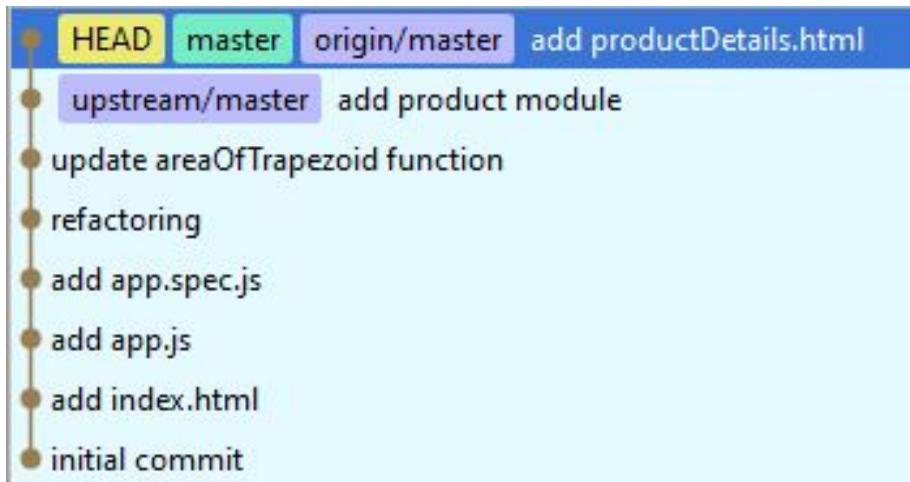
```
C:\Users\Ania\WebstormProjects\fork\TiJO_03>git fetch upstream
remote: Counting objects: 1, done.
remote: Total 1 (delta 0), reused 1 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), done.
From https://github.com/aniaw/TiJO_03
   8b2e351..6a6bd5d  master     -> upstream/master
```
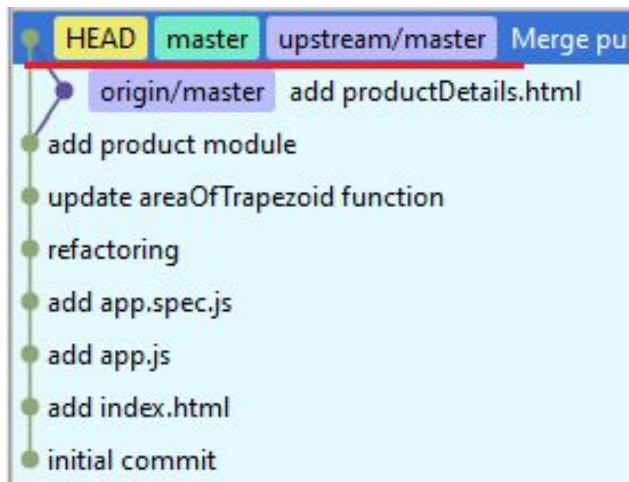
**git pull upstream master**

| HEAD | master | upstream/master | Merge pul |

origin/master  add productDetails.html

add product module

update areaOfTrapezoid function

refactoring

add app.spec.js

add app.js

add index.html

initial commit

upstream/master  Merge pull request #1 from anqa14/master

| HEAD | master | origin/master | add productDetails.html |

add product module

update areaOfTrapezoid function

refactoring

add app.spec.js

add app.js

add index.html

initial commit
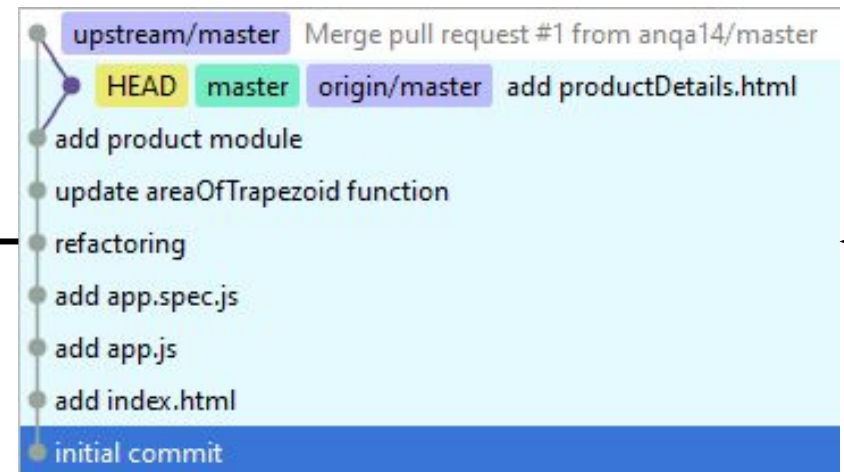
# git status

```
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

| | | | | | | |
|---|---|---|---|---|---|---|
| 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: Q▾   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: Q▾   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
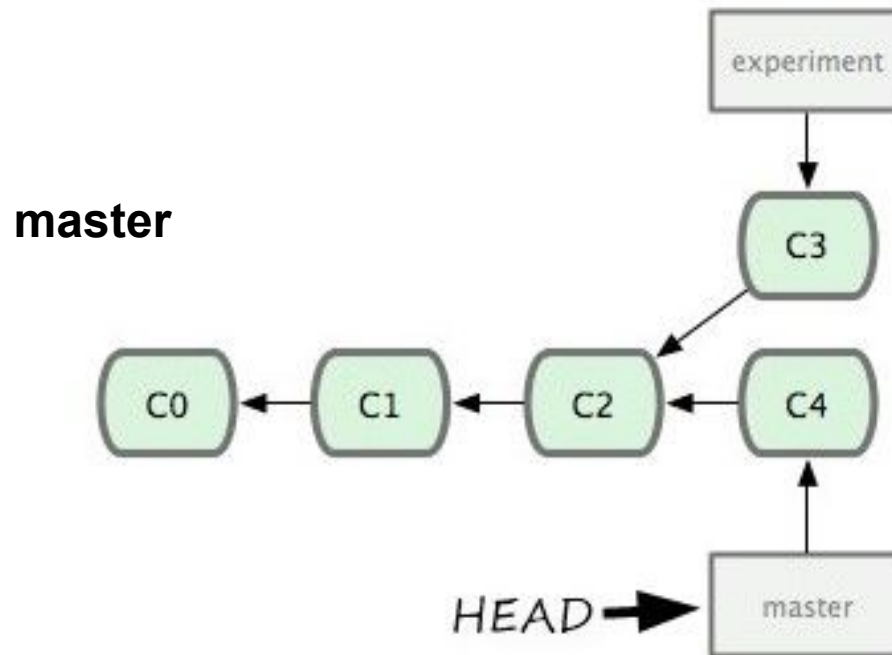


- rozpoczynamy od brancha **master**
- po wykonaniu trzech commitów (C0,C1,C2) został utworzony branch **experiment** (z nową funkcjonalnością) bazujący na commicie C2 brancha **master**
- na branchu **master,** równolegle do brancha **experiment** zacomitowano zmiany (C4)

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

# git merge
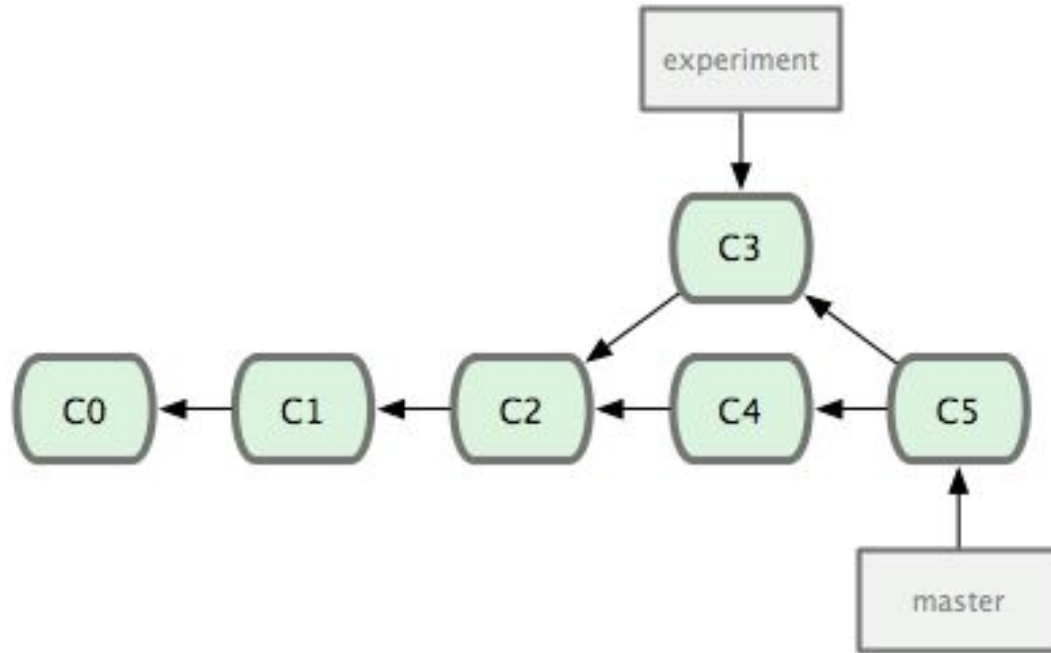


## git merge experiment

*git merge nazwa_brancha*

Polecenie **git merge** wykonuje się na branchu do którego chcecmy 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 czystszą historię - tak, że wygląda ona na liniową jakby cała praca była wykonywana stopniowo, nawet jeśli oryginalnie odbywała się równolegle.

## W trakcje git rebase
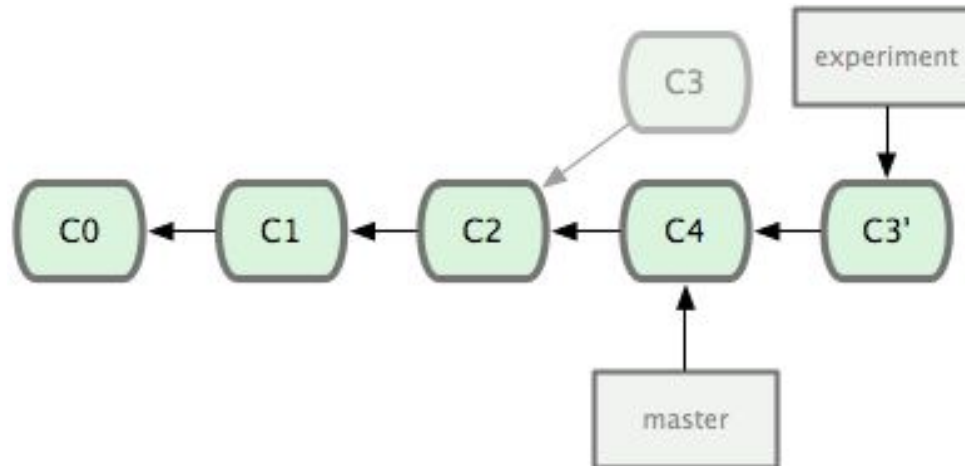


## Po wykonaniu git rebase
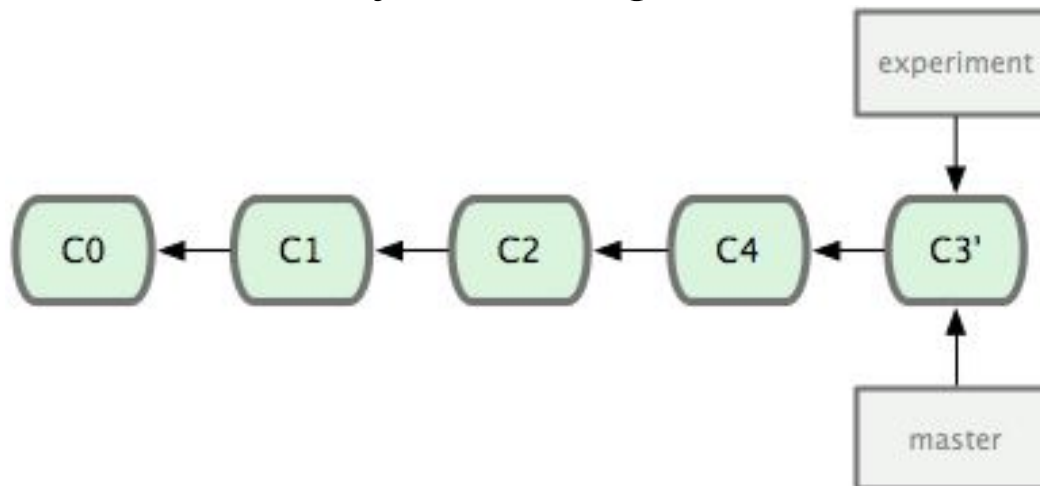
Polecenie **git rebase** można wykonać z poziomu
1) brancha do którego chcemy dodać zmiany (**HEAD** na branch **master**, polecenie)
   ```
   git rebase master experience
   ```

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 **gti rebase** (C4)
4) doda commity zaciągnięte z **experience** (C3).
5) mergujemy zmiany z branchem **master**

# Przykład

```
TiJO_03 (C:\Users\Ania\Web
  app
    product
    user
      userList.html
    app.js
  test
    app.spec.js
  .gitignore
  index.html
External Libraries
```
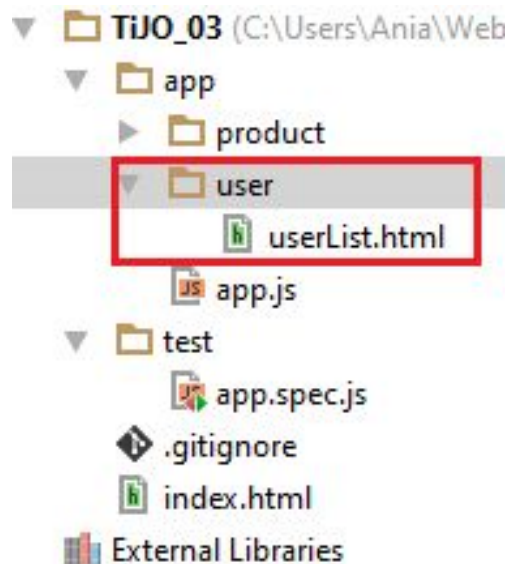
productList.html ×    ProductListCtrl.js ×    userList.html ×

```
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"**

# git checkout -b feature/userList

```
<table class="table table-condens        8       7    <body>
    <thead>                               9       8    <table class="table table-conden:
        <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"

# git checkout -b feature/userDetails

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

**git add .**
**git commit -m "add users details"**

**HEAD** **feature/userDetails** add users details

**feature/userList** update userList structure

**master** add userList view

**origin/master** Merge pull request #1 from anqa14/master

add productDetails.html

add product module

update areaOfTrapezoid function

refactoring

add app.spec.js

add app.js

add index.html

initial commit
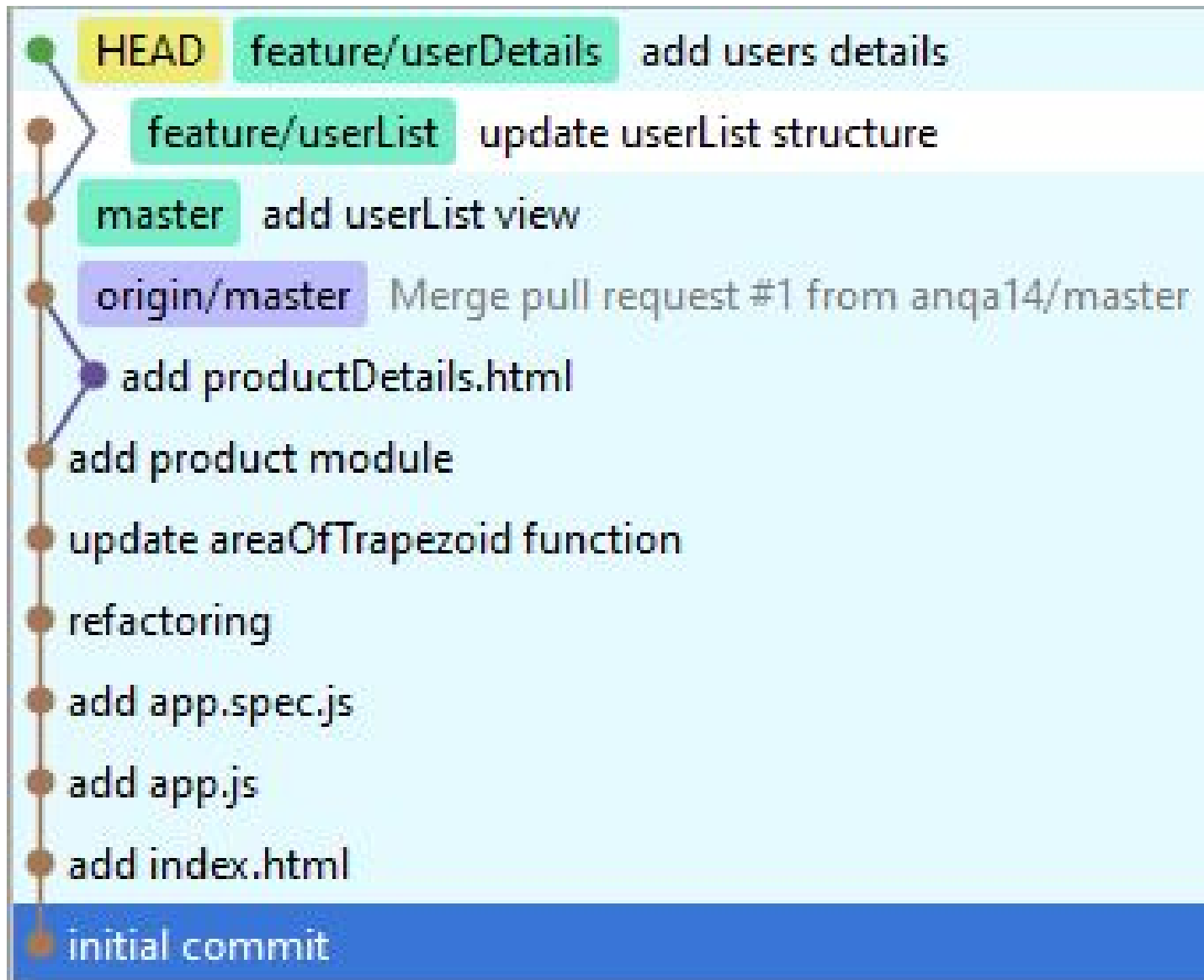
# git merge

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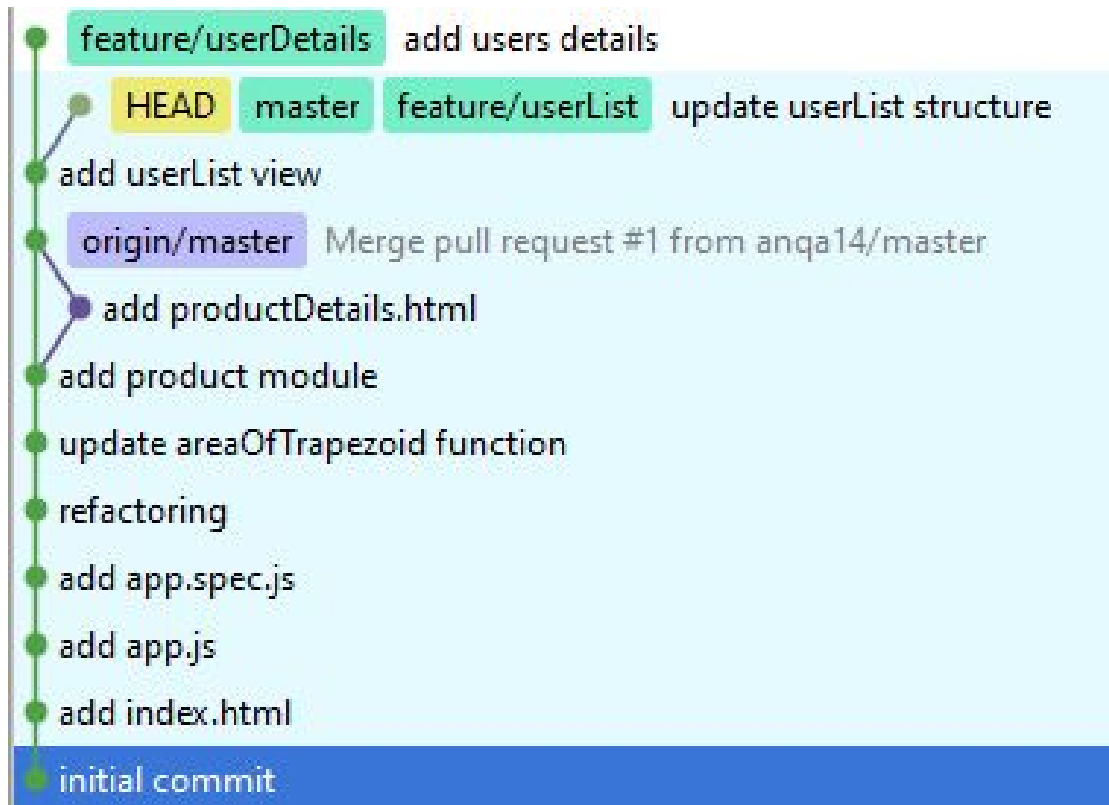
```html
<table class="table table-condensed">
    <thead>
    <tr>
        <th> Id</th>
        <th> Name </th>
    </tr>
    </thead>
    <tbody>
    <tr>
        <td> 1 </td>
        <td> John Smith</td>
    </tr>
    <tr>
        <td> 2 </td>
        <td> Stephan Swan</td>
    </tr>
    <tr>
    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

feature/userDetails  add users details

HEAD  master  feature/userList  update userList structure

add userList view

origin/master  Merge pull request #1 from anqa14/master

add productDetails.html

add product module

update areaOfTrapezoid function

refactoring

add app.spec.js

add app.js

add index.html

initial commit

# 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\Webs...
- 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 konflikótw IDEA IntelliJ

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

# po rozwiązaniu konfliktów



Merge Revisions for C:\Users\Ania\WebstormProjects\TiJO_03\app\user\userList.html

All conflicts resolved

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

```
        <meta charset="UTF-8">              4    6    </head>                                         7    <body>
        <title>User list</title>           5    7    <body>                                          8    <table class="table table-condensed">
    </head>                                 6    8    <table class="table table-condensed">           9        <thead>
    <body>                                  7    9        <thead>                                     10        <tr>
    <table class="table table-condensed">  8    10           <tr>                                    11            <th> Id</th>
        <thead>                             9    11               <th> Id</th>                         12            <th> First name</th>
        <tr>                                10   12               <th> Name </th>                      13            <th> Last name</th>
            <th> Id</th>                    11   13               <th> Age </th>                       14            <th> Age </th>
            <th> Name </th>                 12   14               <th> Email </th>                     15            <th> Email </th>
        </tr>                               13   15           </tr>                                   16        </tr>
    </thead>                                14   16        </thead>                                   17        </thead>
    <tbody>                                 15   17        <tbody>                                    18        <tbody>
        <tr>                                16   18           <tr>                                    19            <tr>
            <td> 1 </td>                    17   19               <td> 1 </td>                         20            <td> 1 </td>
            <td> John Smith</td>            18   20               <td> John Smith</td>                 21            <td> John </td>
        </tr>                               19   21               <td> 45 </td>                        22            <td> Smith </td>
        <tr>                                20   22               <td> john.smith@gmail.com </td>      23            <td> 45 </td>
            <td> 2 </td>                    21   23           </tr>                                   24            <td> john.smith@gmail.com </td>
            <td> Stephan Swan</td>          22   24           <tr>                                    25        </tr>
        </tr>                               23   25               <td> 2 </td>                         26        <tr>
        <tr>                                24   26               <td> Stephan Swan</td>               27            <td> 2 </td>
            <td> 3 </td>                    25   27               <td> 18 </td>                        28            <td> Stephan </td>
            <td> Marie Bell</td>            26   28               <td> stephan.swan@gmail.com </td>    29            <td> Swan </td>
        </tr>                               27   29           </tr>                                   30            <td> 18 </td>
    </tbody>                                28   30           <tr>                                    31            <td> stephan.swan@gmail.com </td>
</table>                                    29   31               <td> 3 </td>                         32        </tr>
</body>                                     30   32               <td> Marie Bell</td>                 33        <tr>
</html>                                     31   33               <td> 26 </td>                        34            <td> 3 </td>
                                            32   34               <td> marie.bell@gmail.com </td>      35            <td> Marie </td>
                                                 35           </tr>                                   36            <td> Bell </td>
                                                 36        </tbody>                                   37            <td> 26 </td>
```
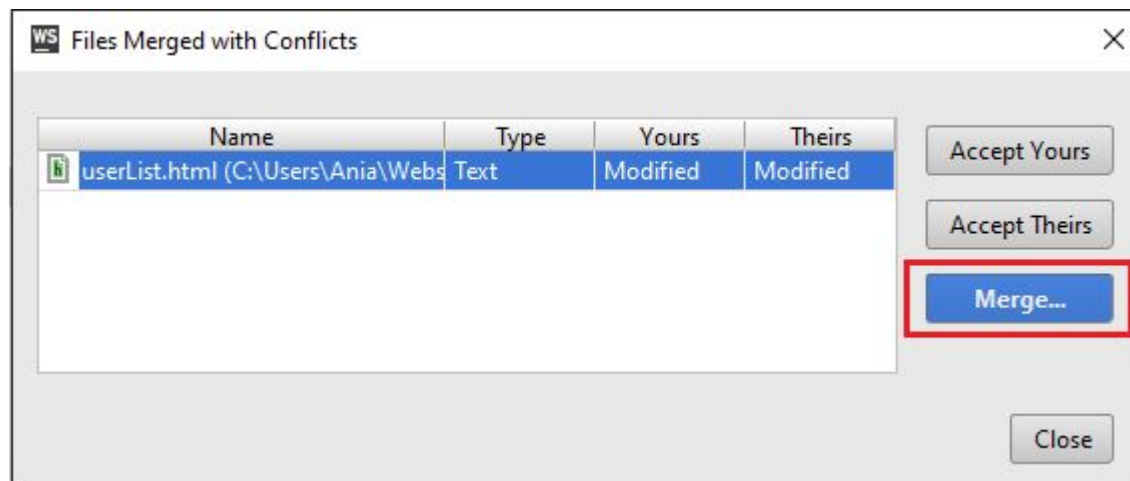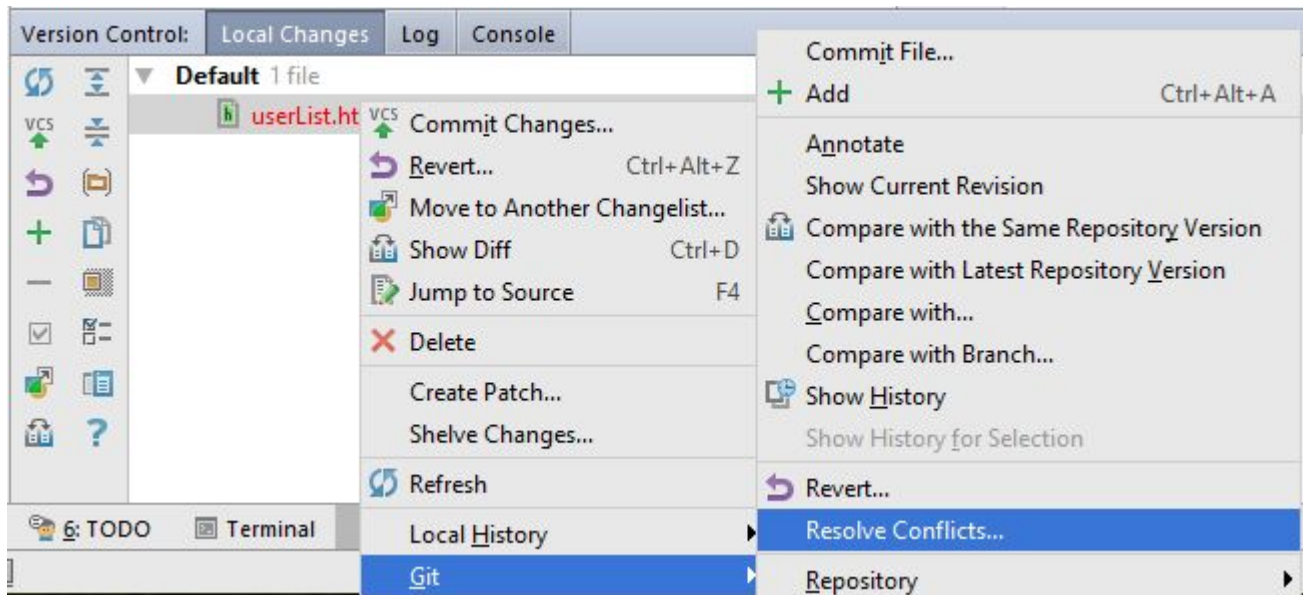
Accept Left    Accept Right    Apply    Abort

# 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
```
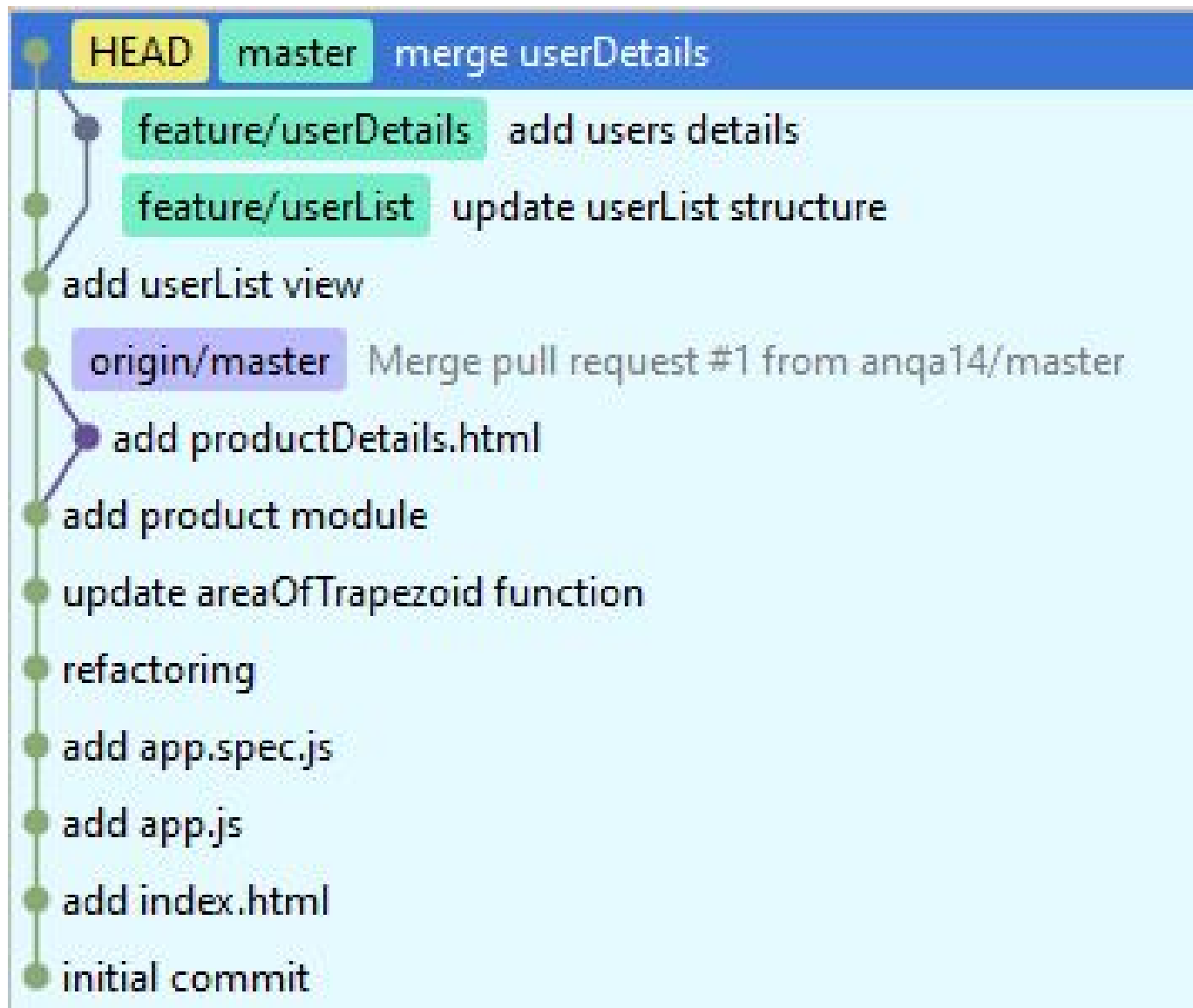
Event Log

UTF-8   Git: Merging master↕

# git commit -m "merge userDetails"

```
C:\Users\Ania\WebstormProjects\TiJO_03>git commit -m "merge userDetails"
[master 7f416d4] merge userDetails
```

**HEAD** **master** merge userDetails

    **feature/userDetails** add users details

    **feature/userList** update userList structure

add userList view

**origin/master** Merge pull request #1 from anqa14/master

  add productDetails.html

add product module

update areaOfTrapezoid function

refactoring

add app.spec.js

add app.js

add index.html

initial commit

# 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 b14bfcb..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 rebase --continue

```
C:\Users\Ania\WebstormProjects\TiJO_03>git rebase --continue
Applying: add users details
```

HEAD  feature/userDetails  add users details
origin/feature/userDetails  add users details
master  feature/userList  origin/feature/userList  update userList structure
origin/master  add userList view
Merge pull request #1 from anqa14/master
add productDetails.html
add product module
update areaOfTrapezoid function
refactoring
add app.spec.js
add app.js
add index.html

```
<tr>
    <th> Id</th>
    <th> Name </th>
    <th> Age </th>
    <th> Email </th>
</tr>
</thead>
<tbody>
<tr>
    <td> 1 </td>
    <td> John Smith</td>
    <td> 45 </td>
    <td> john.smith@gmail.com </td>
</tr>
```
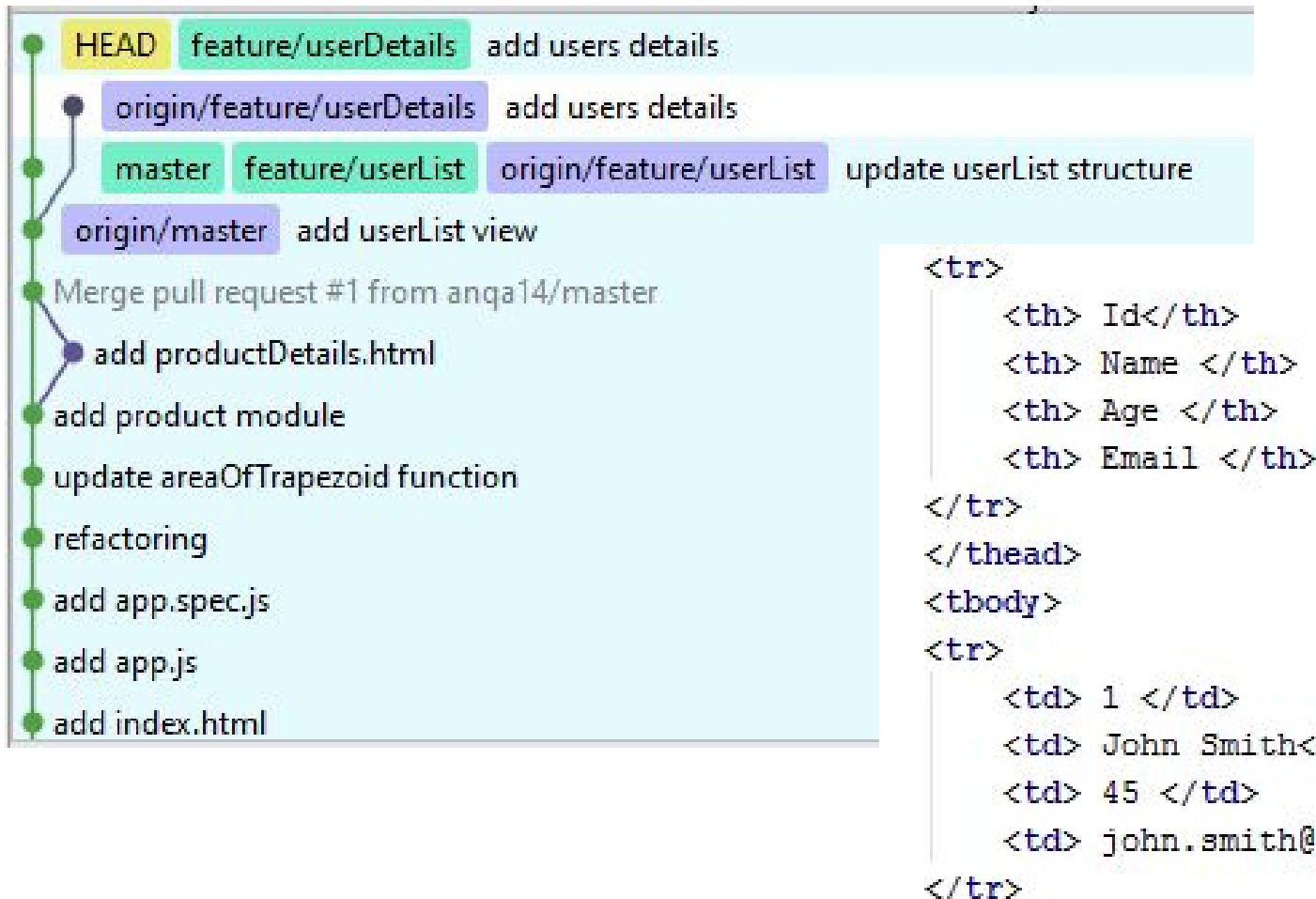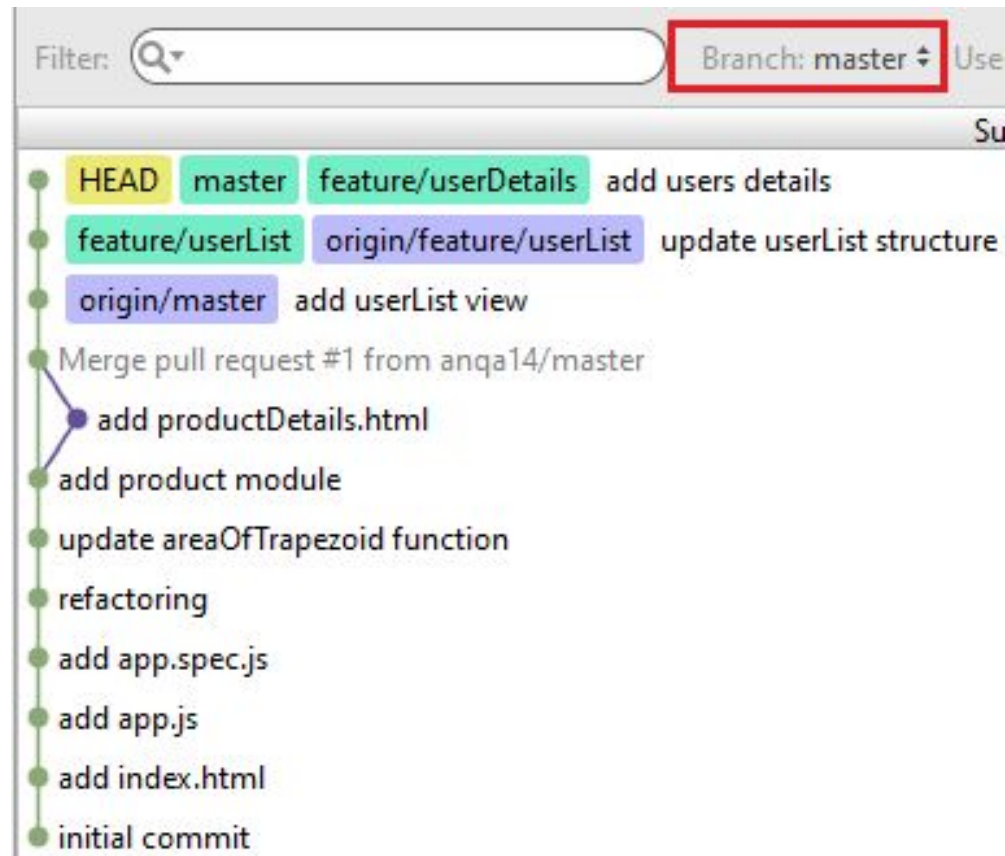
# git checkout master
# git merge feature/userDetails

```
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