02. Git

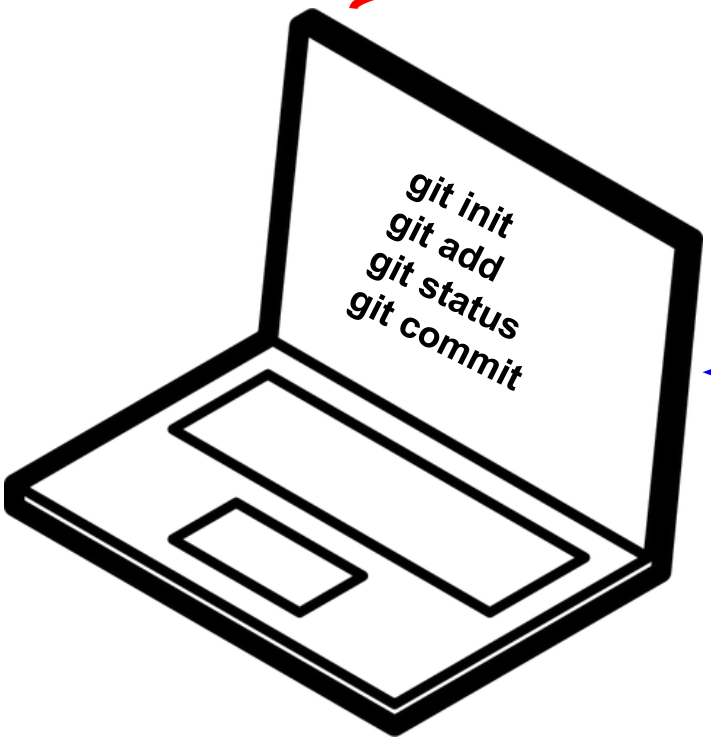
wludyka.anna@gmail.com

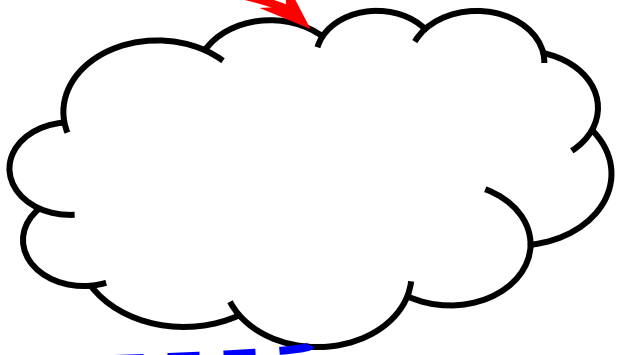
02.03.2016

REPOZYTORIUM LOKALNE

REPOZYTORIUM ZDALNE

git push





git pull
git clone

git init

.git

git-project
- index.html
- app.js
- README.md

git add index.html

index.html

git-project
- index.html
- app.js
- README.md

git add .

index.html
app.js
README.md

git-project
- index.html
- app.js
- README.md

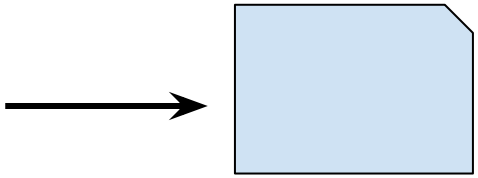
git commit -m “initial commit”

initial commit

index.html
app.js
README.md

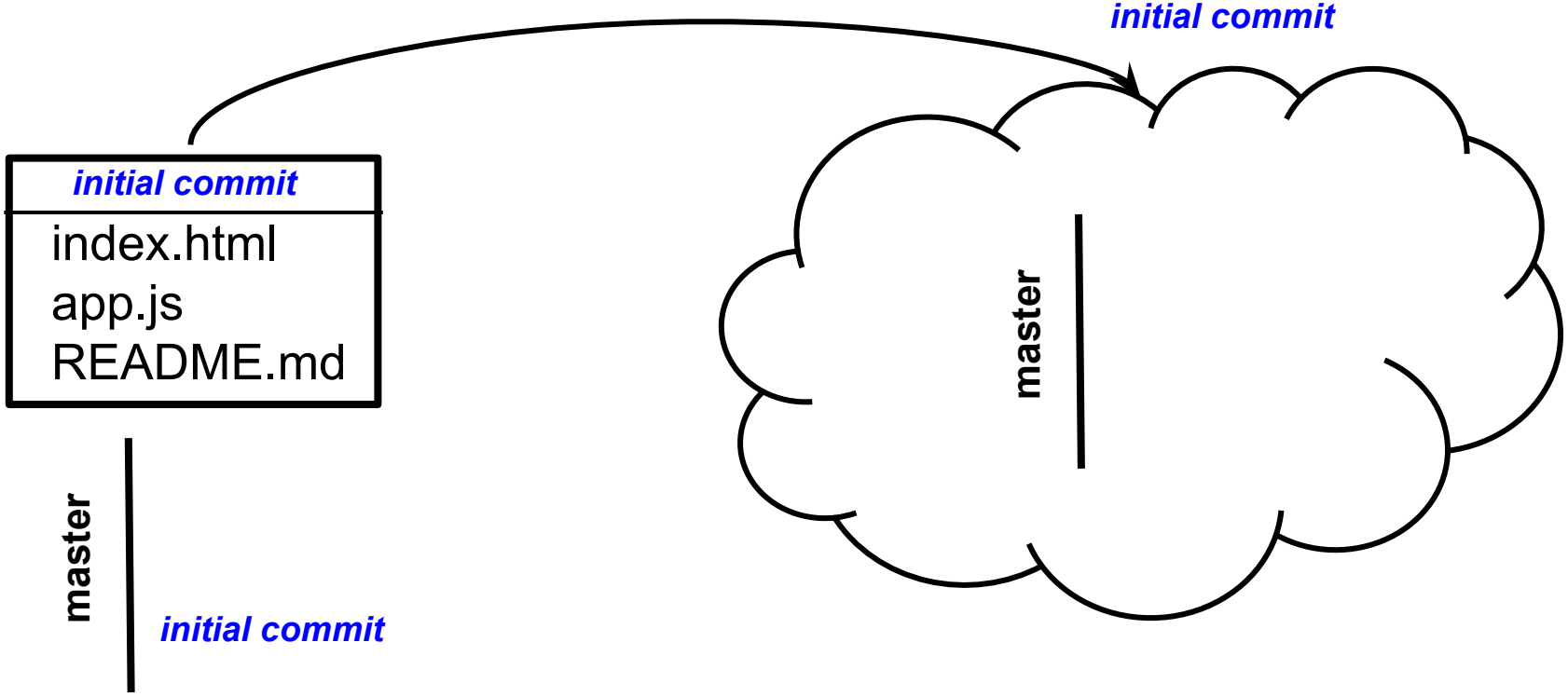
git remote -v

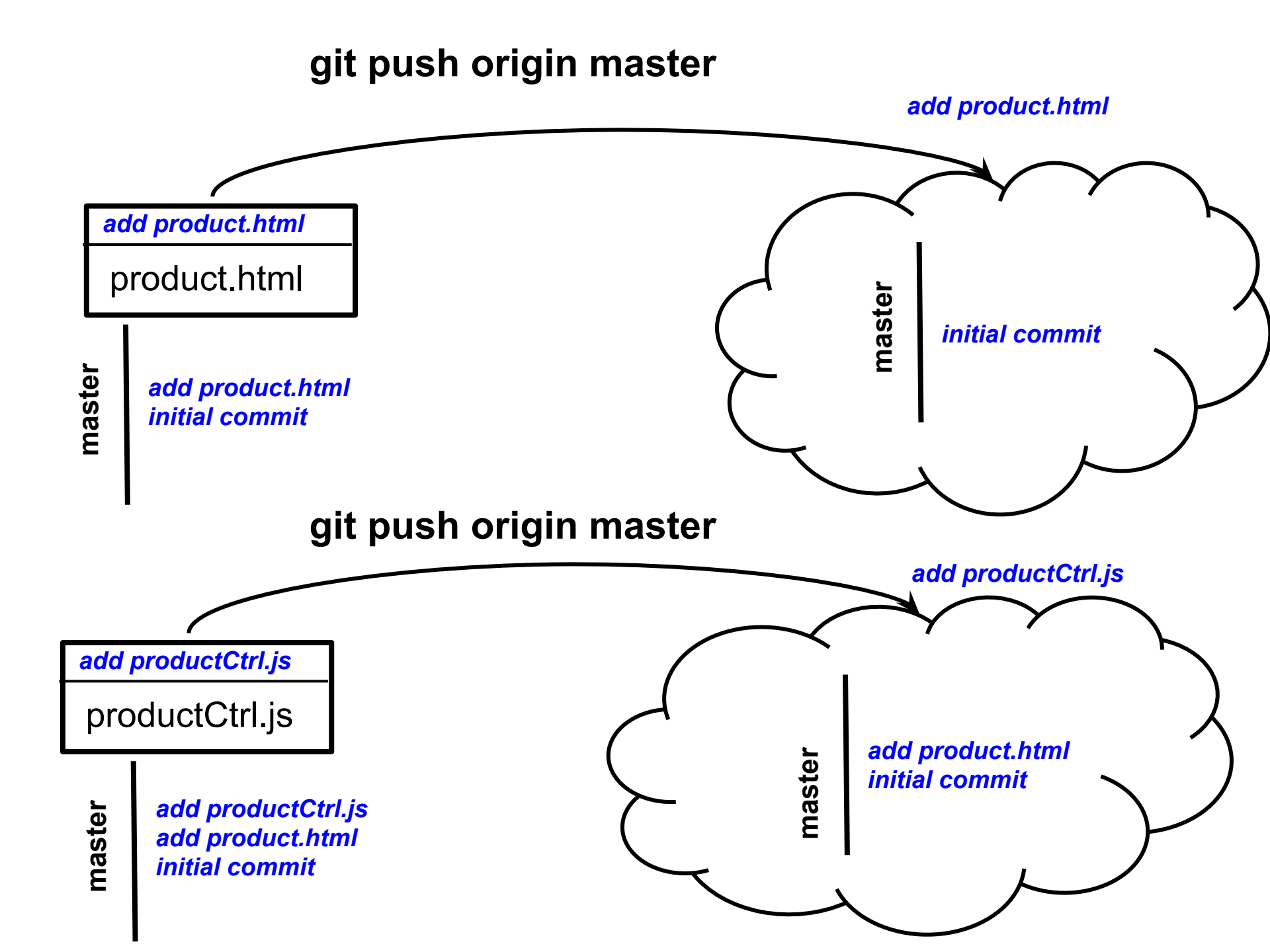
git remote add origin [adres_repozytorium]



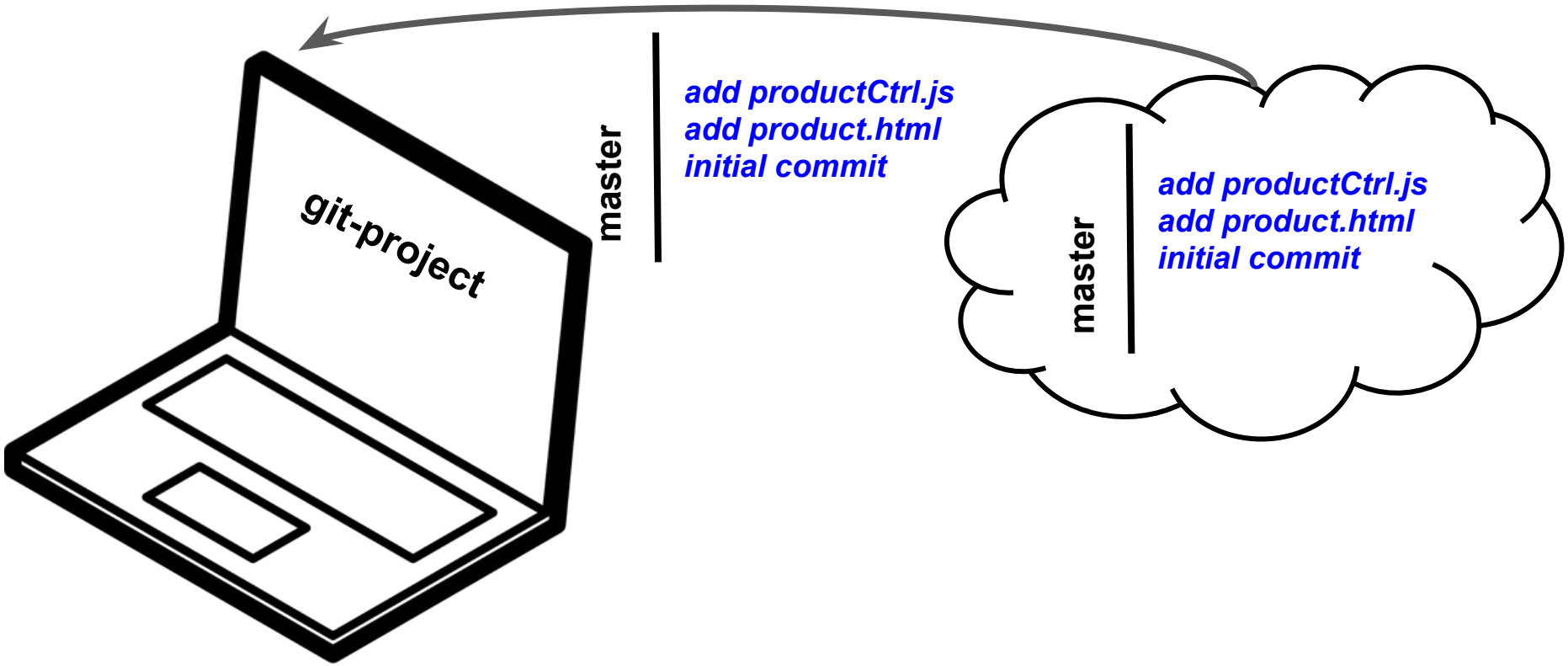
.git

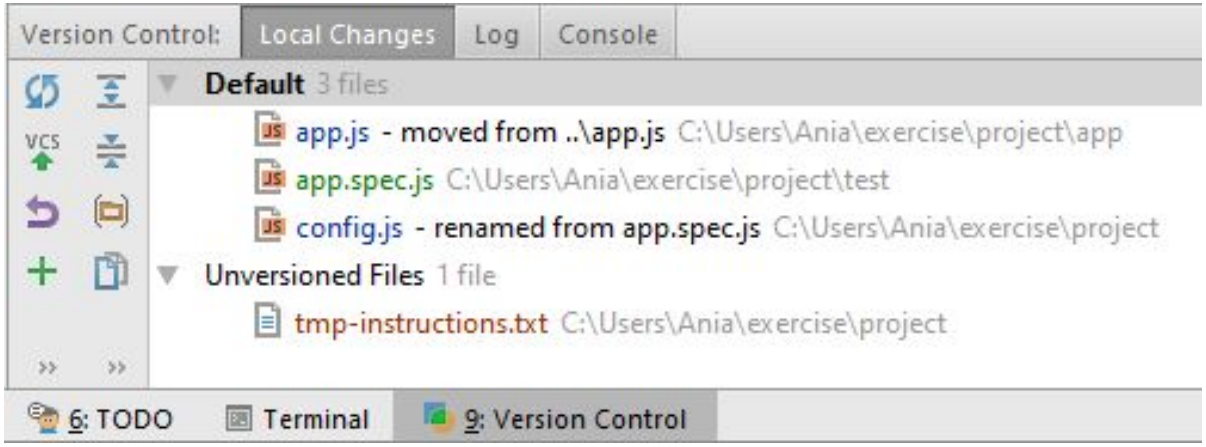
git push origin master




git push origin master
add product.html
add product.html
product.html
master
add product.html
initial commit
master
initial commit
git push origin master
add productCtrl.js
add productCtrl.js
productCtrl.js
master
add productCtrl.js
add product.html
initial commit
master
add product.html
initial commit

git clone https://github.com/username/repository_name.git





git status
- IntelliJ IDEA

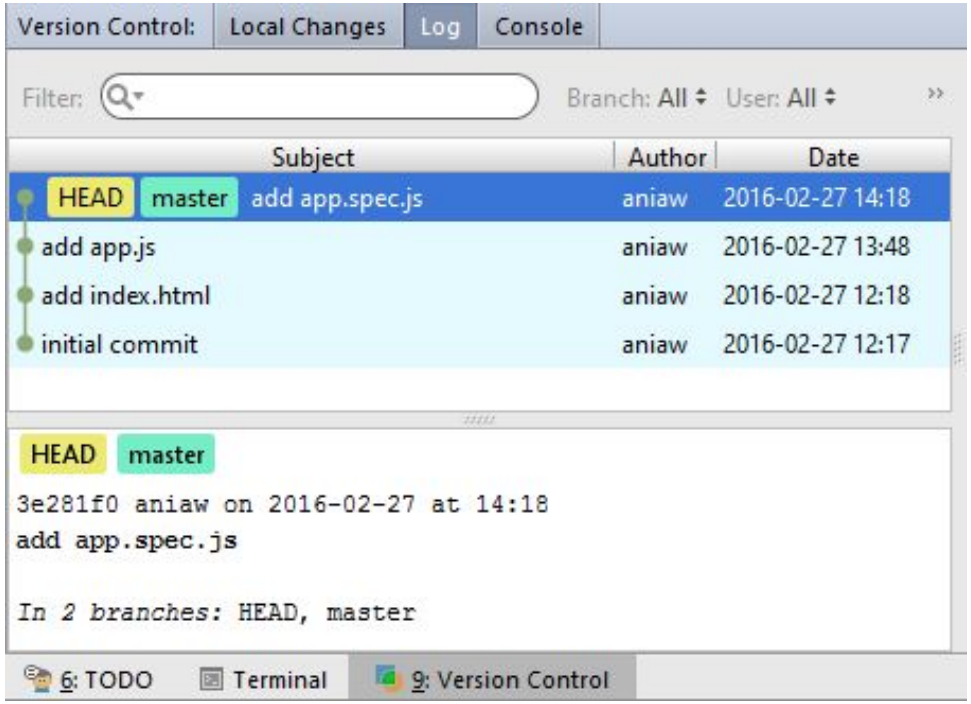
```
C:\Users\Ania\exercise\project>git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        renamed:    app.js -> app/app.js
        renamed:    app.spec.js -> config.js
        new file:   test/app.spec.js

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        tmp-instructions.txt
```

git status

git log

```
C:\Users\Ania\exercise\project>git log
commit 3e281f00634edebb6fa2ecafb0f3267b54e52532
Author: aniaw <ania_w@outolook.com>
Date:   Sat Feb 27 14:18:05 2016 +0100

    add app.spec.js

commit 23c05085affe00e4d9beec45d944109e7b849e52
Author: aniaw <ania_w@outolook.com>
Date:   Sat Feb 27 13:48:43 2016 +0100

    add app.js

commit 474e529e569332a037afeaf2fd50e77be6e6ea09
Author: aniaw <ania_w@outolook.com>
Date:   Sat Feb 27 12:18:27 2016 +0100

    add index.html

commit a09edccfca40202b5cc64a2e583a50a74d5fc7d5
Author: aniaw <ania_w@outolook.com>
Date:   Sat Feb 27 12:17:46 2016 +0100

    initial commit
```

git log - IntelliJ IDEA



git log --oneline

```
831fc35 getDescendingNumbers function
33f1d23 refactoring
3e281f0 add app.spec.js
23c0508 add app.js
474e529 add index.html
a09edcc initial commit
```

git log --oneline --graph --decorate --all

```
C:\Users\Ania\Desktop\project>git log --oneline --graph --decorate
* 831fc35 (HEAD -> master, origin/master, origin/HEAD) getDescendingNumbers function
* 33f1d23 refactoring
* 3e281f0 add app.spec.js
* 23c0508 add app.js
* 474e529 add index.html
* a09edcc initial commit
```

git commit

```
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
# On branch master
# Changes to be committed:
#   new file:   index.html
#
```

```
add index.html
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
# On branch master
# Changes to be committed:
#   new file:   index.html
#
```

git config --global core.editor "nazwa_edytora"

Aktualizacja nazwy / zawartości ostatniego commita

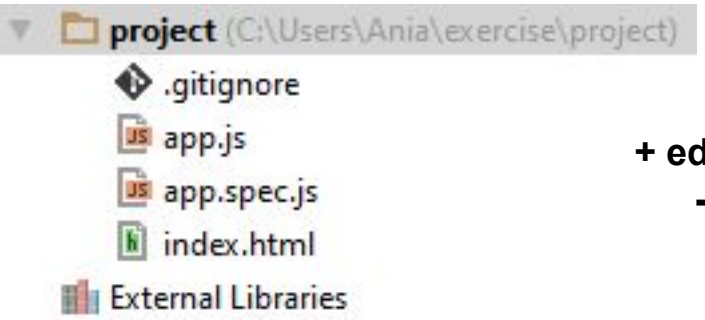
git commit - m “modify files”

7929ee0 modify files
831fc35 getDescendingNumbers function
33f1d23 refactoring
3e281f0 add app.spec.js
23c0508 add app.js
474e529 add index.html
a09edcc initial commit

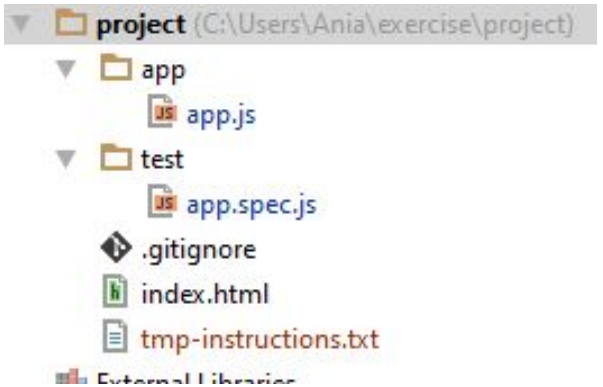
git commit --amend - m “modify .gitignore”

bfbe322 modify .gitignore
831fc35 getDescendingNumbers function
33f1d23 refactoring
3e281f0 add app.spec.js
23c0508 add app.js
474e529 add index.html
a09edcc initial commit

Cofanie plików z poczekalni



refaktoryzacja projektu
+ edycja plików app.js i app.spec.js




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

        renamed:    app.js -> app/app.js
        renamed:    app.spec.js -> test/app.spec.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
        modified:   test/app.spec.js

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        tmp-instructions.txt
```

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

        renamed:    app.js -> app/app.js
        renamed:    app.spec.js -> test/app.spec.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
        modified:   test/app.spec.js

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        tmp-instructions.txt
```

git add .

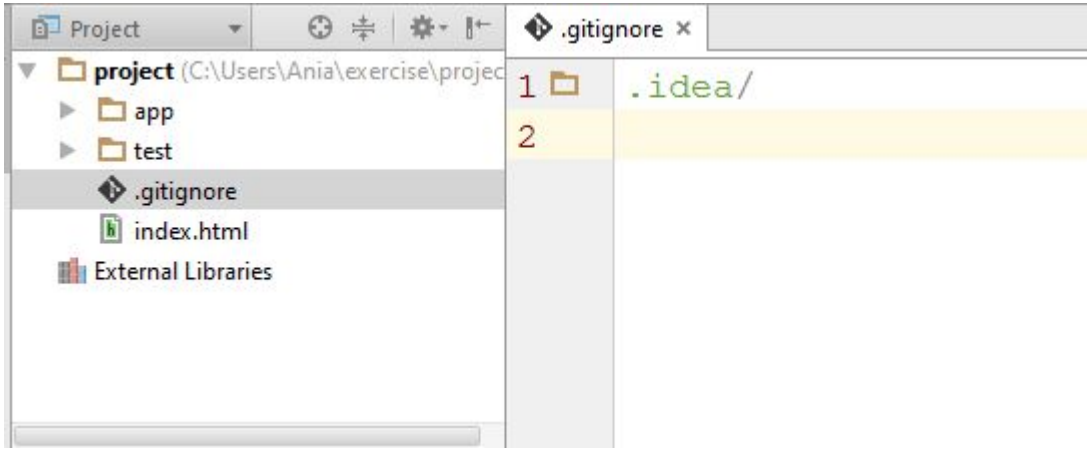
```
C:\Users\Ania\exercise\project>git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        renamed:    app.spec.js -> app/app.js
        renamed:    app.js -> test/app.spec.js
        new file:   tmp-instructions.txt
```

git reset HEAD tmp-instructions.txt.

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

        renamed:    app.js -> app/app.js
        renamed:    app.spec.js -> test/app.spec.js

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        tmp-instructions.txt
```

.gitignore

```
# Compiled source #
###################
*.com
*.class
*.dll
*.exe
*.o
*.so
```



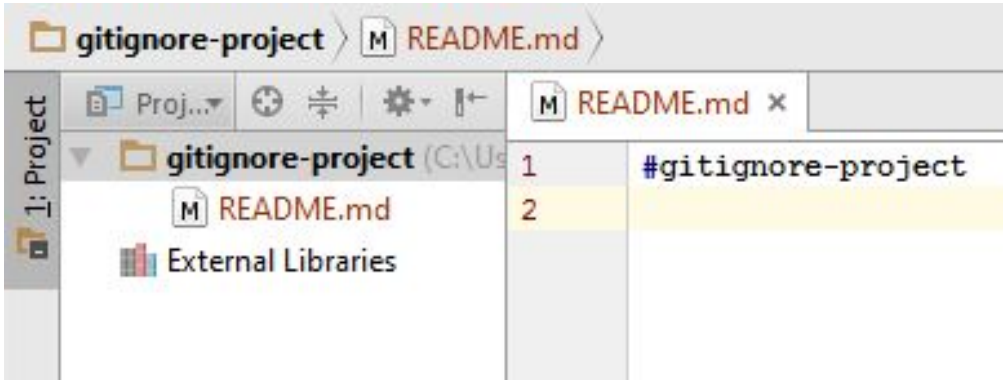

```
# Logs and databases #
######################
*.log
*.sql
*.sqlite


# OS generated files
######################
.DS_Store
.DS_Store?
._*
.Spotlight-V100
.Trashes
ehthumbs.db
Thumbs.db
```

https://github.com/github/gitignore

.gitignore

- ***.class** -> wszystkie pliki z rozszerzeniem **.class**
- **app/*.js** -> wszystkie pliki **.js** znajdujące się w folderze **app**
- **app/**/*.html** -> wszystkie pliki **.html** znajdujące się w folderze lub podfolderach **app**
- **!app/car/*.js** -> pliki **.js** z folderu **app/car** nie będą ignorowane

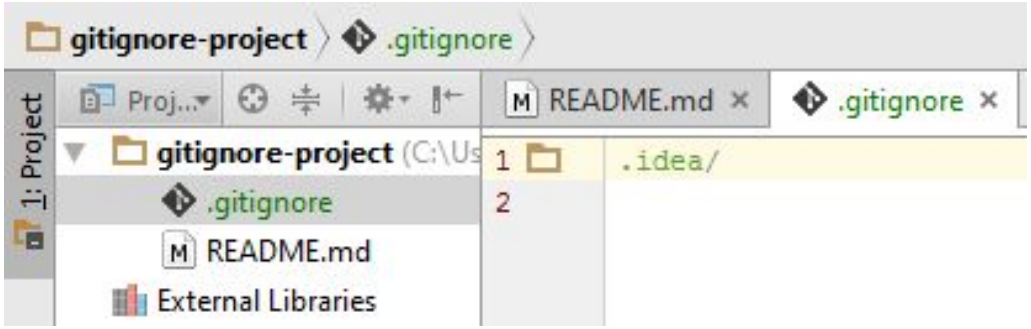
Co zrobić po “zacommitowaniu” i wypchnięciu plików, które powinny zostać zignorowane?



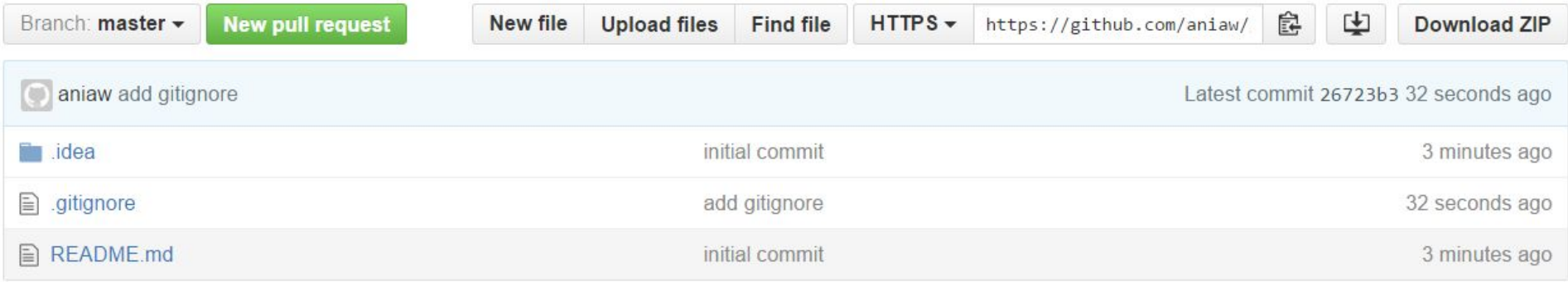

```
git add .
git commit -m “initial commit”
git push origin master
```

aniaw add gitignore — Latest commit 26723b3 32 seconds ago

.idea	initial commit	3 minutes ago
README.md	initial commit	3 minutes ago



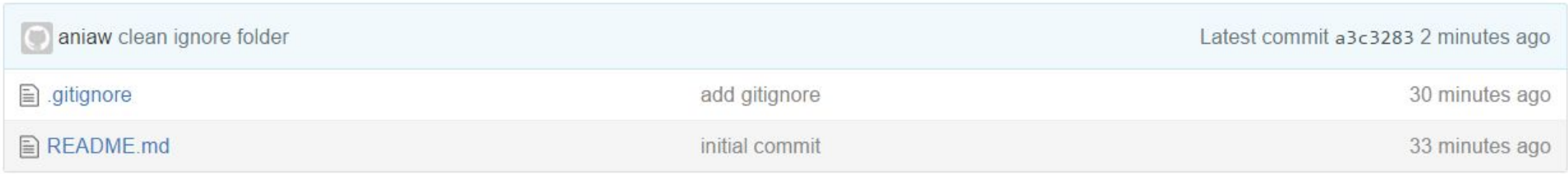
git add .
git commit -m “add .gitignore”
git push origin master

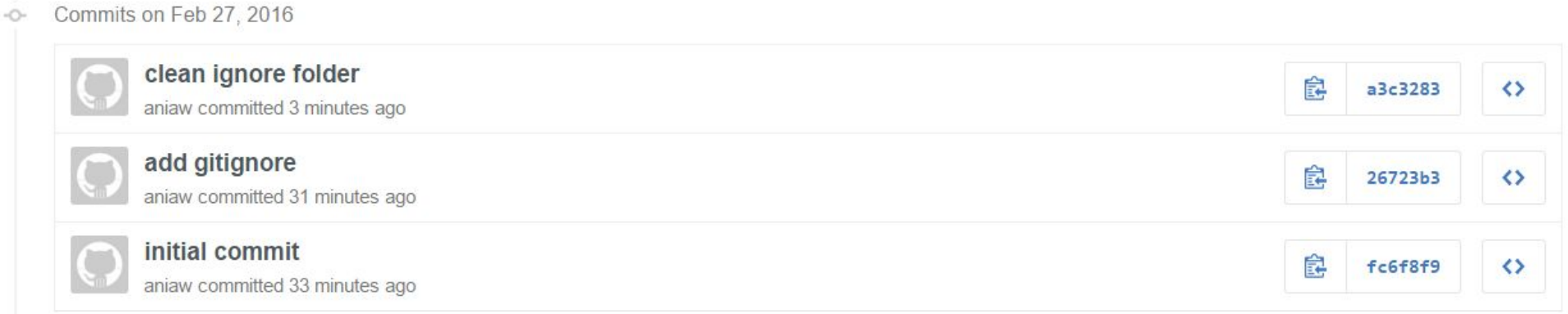


git rm --cached .idea/*

```
C:\Users\Ania\exercise\gitignore-project>git rm --cached .idea/*
rm '.idea/.name'
rm '.idea/encodings.xml'
rm '.idea/gitignore-project.iml'
rm '.idea/misc.xml'
rm '.idea/modules.xml'
rm '.idea/vcs.xml'
rm '.idea/workspace.xml'
```

git add .
git commit -m “clean ignore folder”
git push origin master





Zmiany w plikach, które znajdują się już w poczekalni.

```
C:\Users\Ania\exercise\project>git status
On branch master
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

no changes added to commit (use "git add" and/or "git commit -a")
```

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

        modified:   app/app.js
```

git add app\app.js

lub

git add .

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

        modified:   app/app.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
```

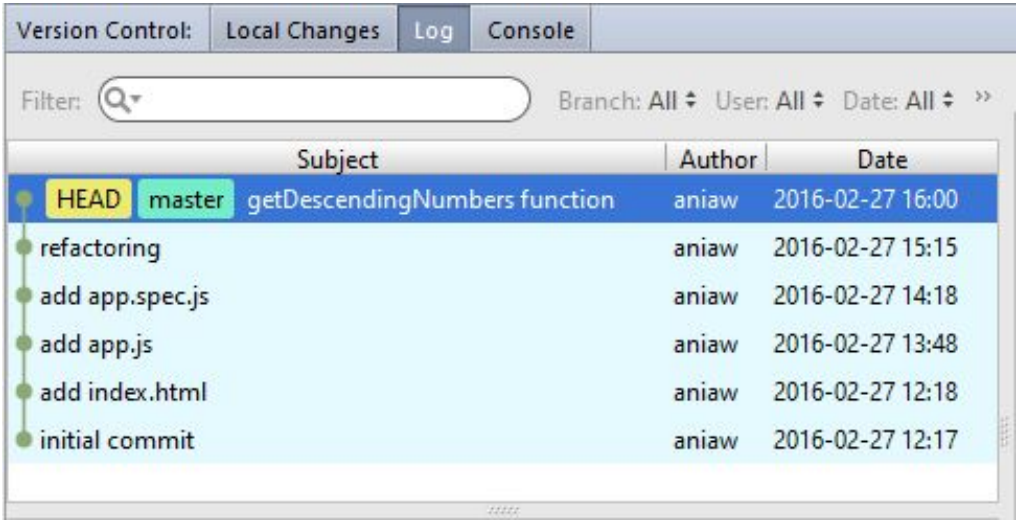
```
C:\Users\Ania\exercise\project>git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   app/app.js
```

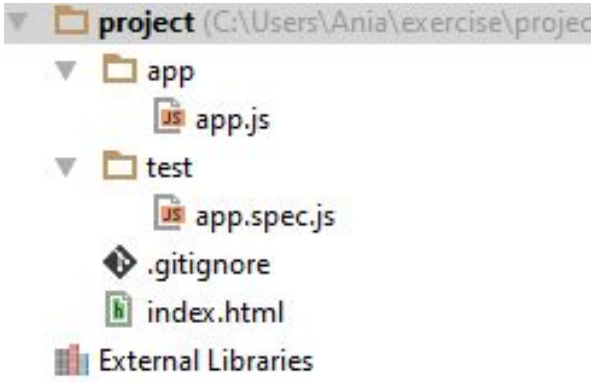
git add app\app.js

lub

git add .

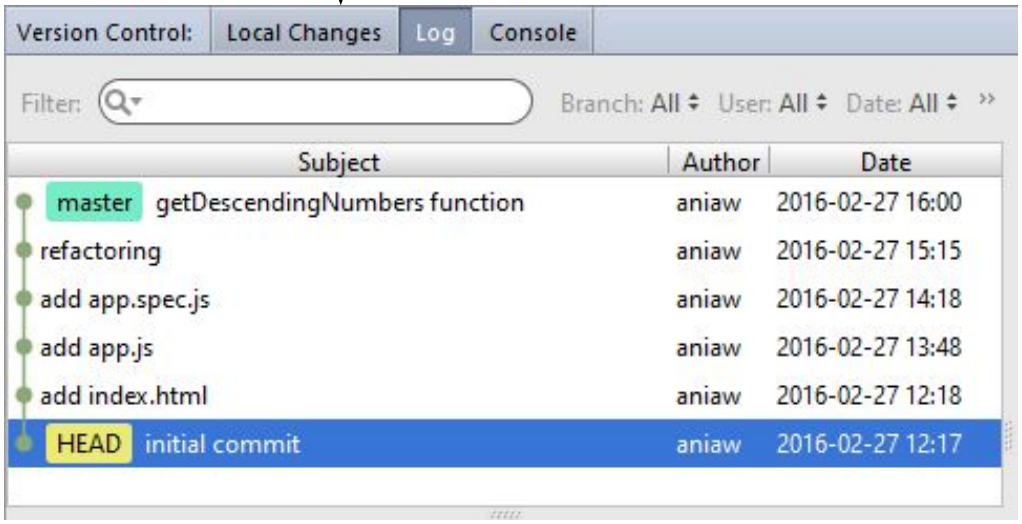
Wskaźnik HEAD

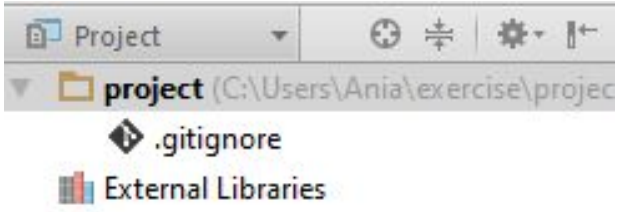




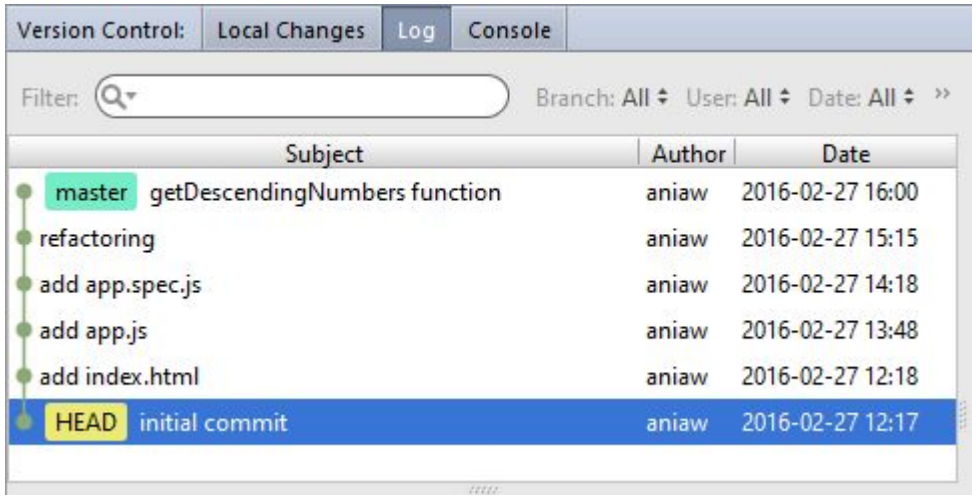
git checkout :/"initial commit"

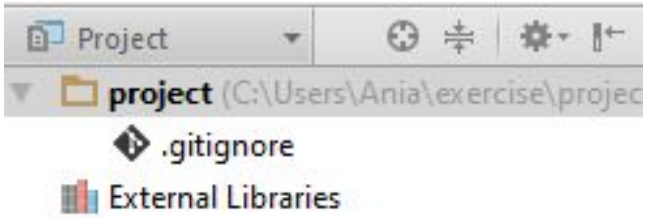
```
C:\Users\Ania\exercise\project>git checkout :/"initial commit"
HEAD is now at a09edcc... initial commit
```



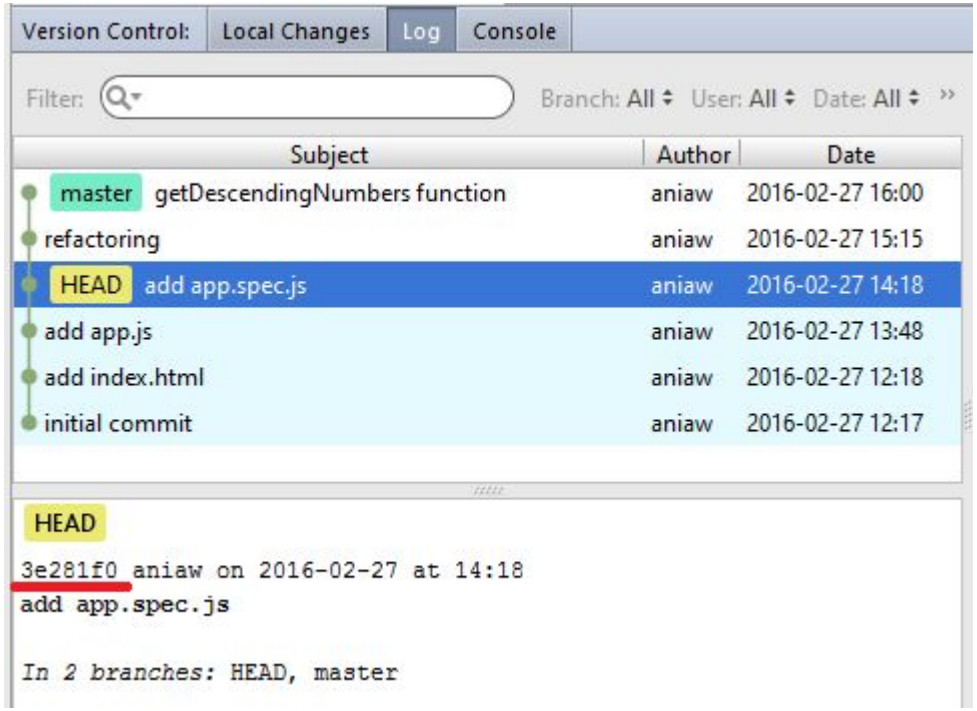



```
C:\Users\Ania\exercise\project>git status
HEAD detached at a09edcc
nothing to commit, working directory clean
```

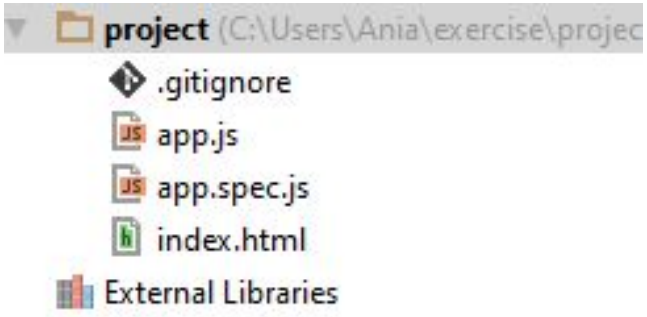




git checkout 3e281f0




```
C:\Users\Ania\exercise\project>git checkout 3e281f0
Previous HEAD position was a09edcc... initial commit
HEAD is now at 3e281f0... add app.spec.js
```



git branch

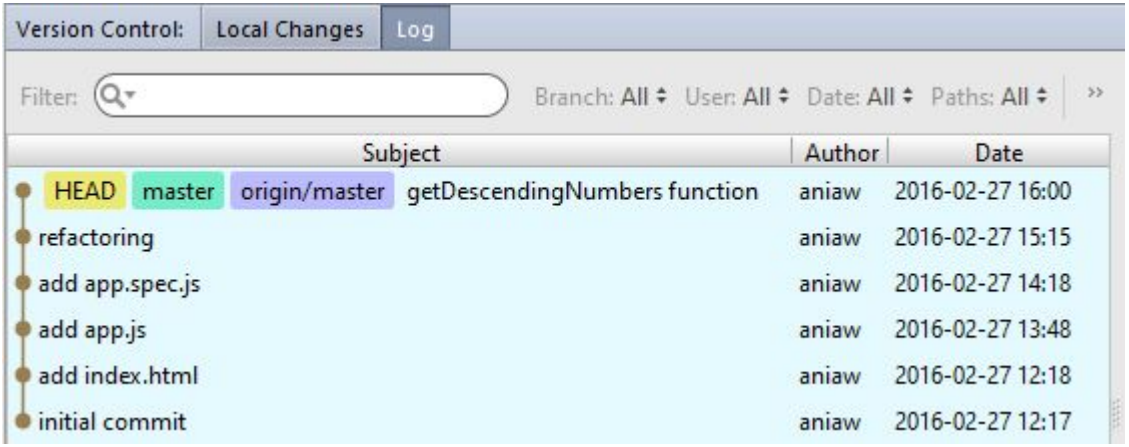
```
C:\Users\Ania\exercise\project>git branch
* master
```

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

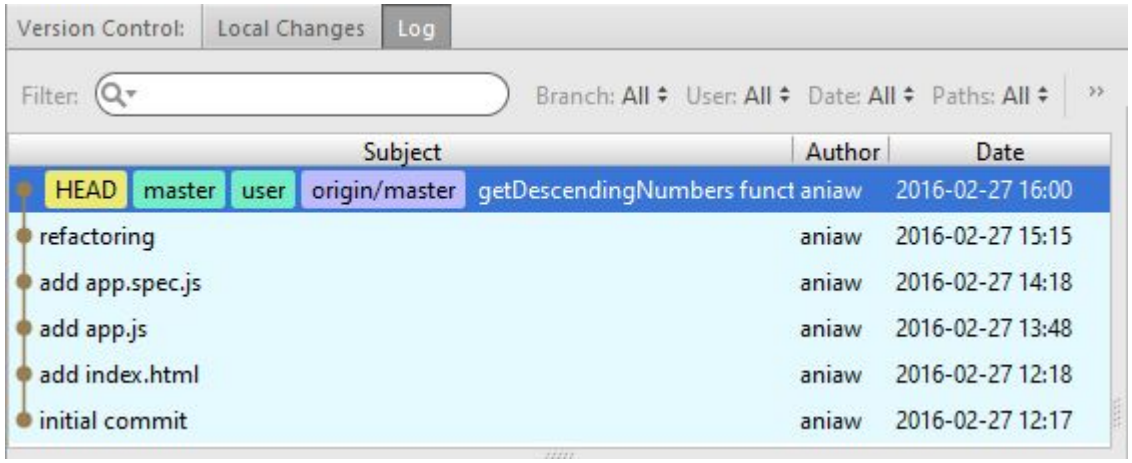
aniaw getDescendingNumbers function — Latest commit 831fc35 19 hours ago

app	getDescendingNumbers function	19 hours ago
test	refactoring	20 hours ago
.gitignore	initial commit	23 hours ago
index.html	add index.html	23 hours ago



git branch user

git branch nazwa_nowego_brancha



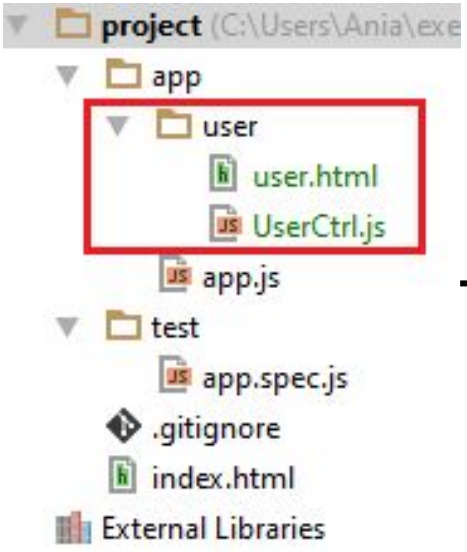

```
C:\Users\Ania\exercise\project>git status
On branch master
nothing to commit, working directory clean
```

git checkout user

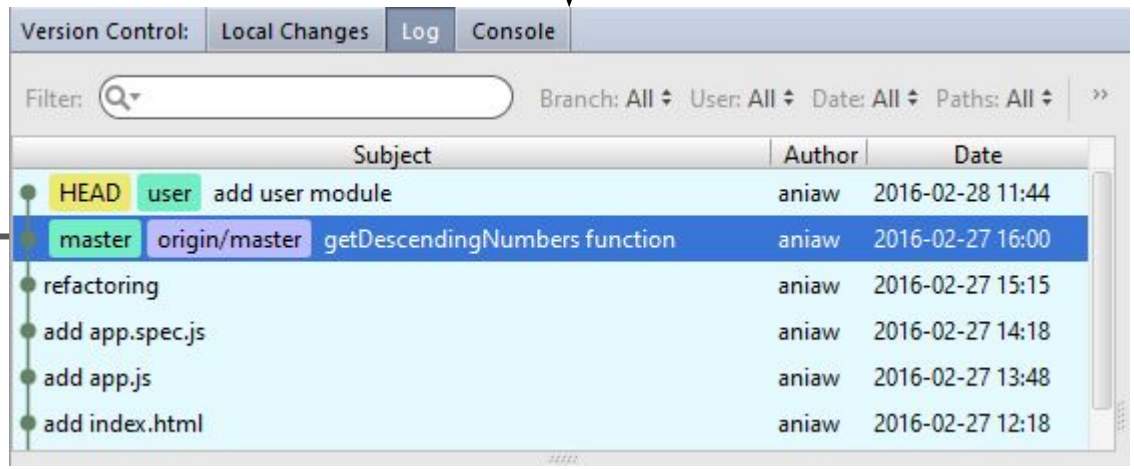
git checkout nazwa_brancha

```
C:\Users\Ania\exercise\project>git checkout user
Switched to branch 'user'
```

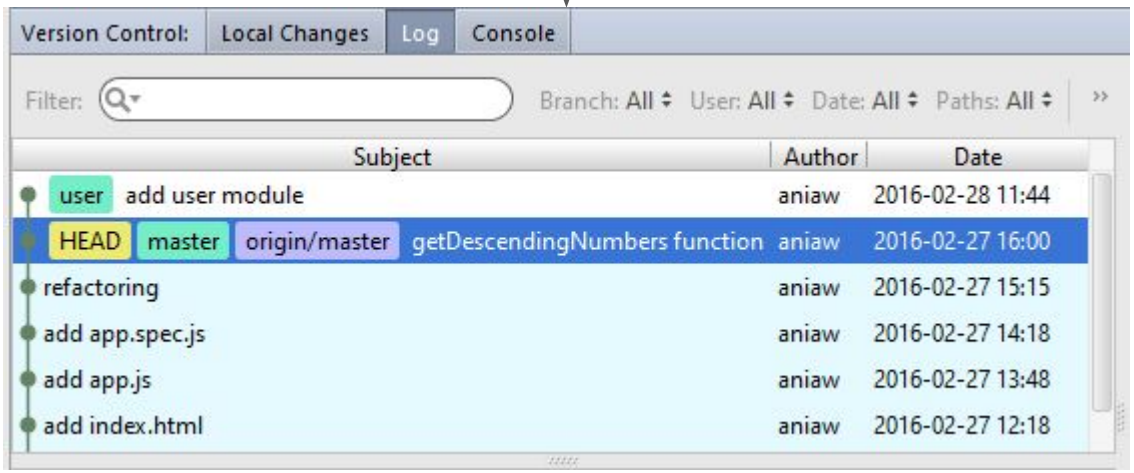
```
C:\Users\Ania\exercise\project>git status
On branch user
nothing to commit, working directory clean
```

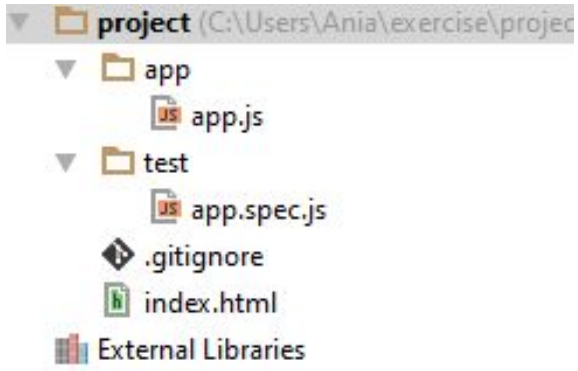


git add .
git commit -m “add user module”



git checkout master

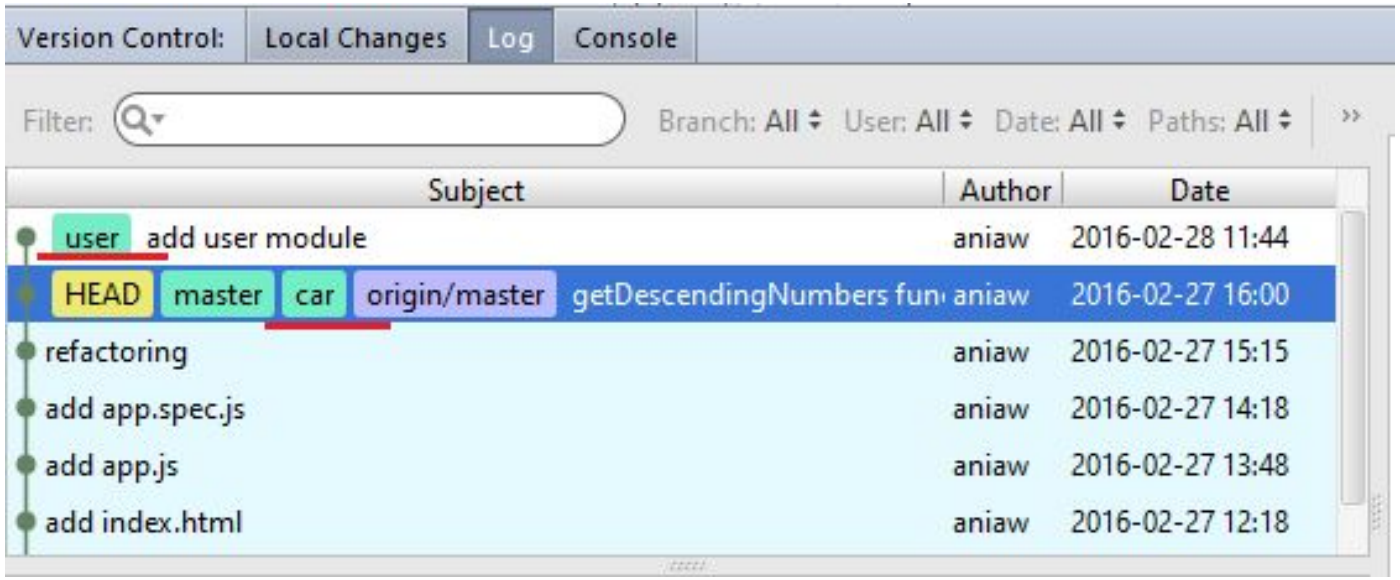


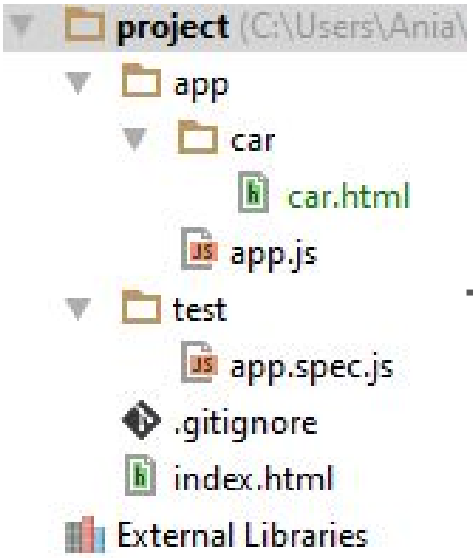


git checkout -b car

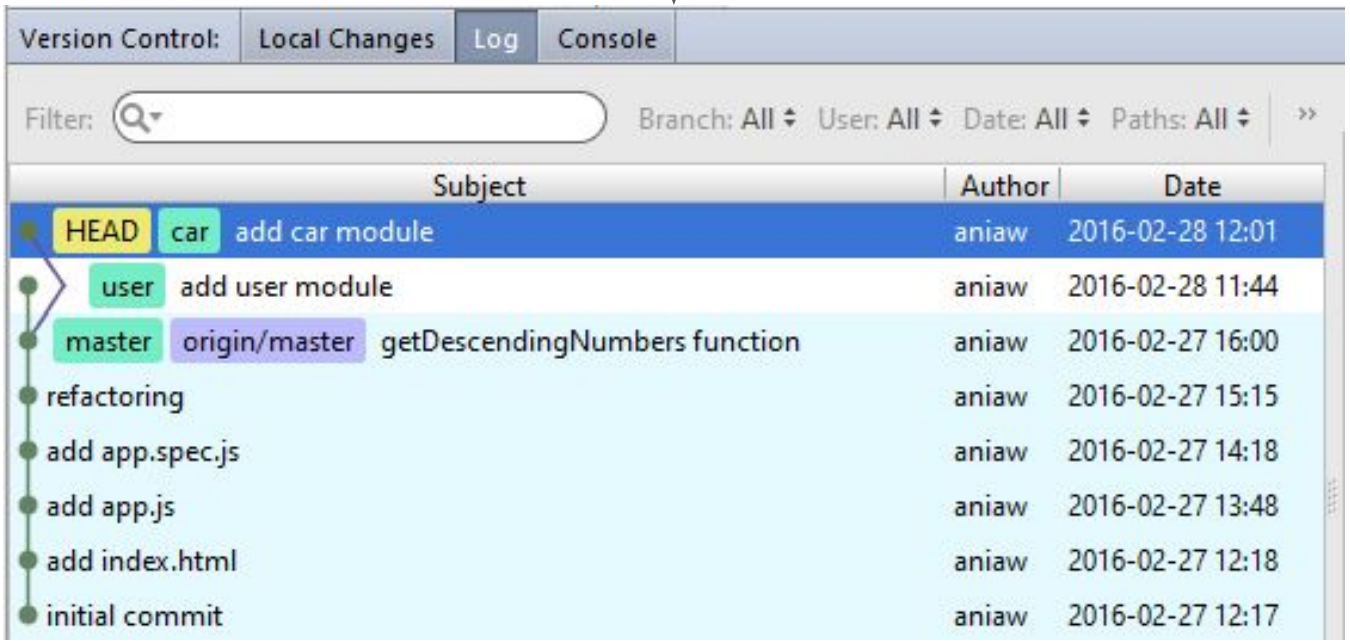
git checkout - b nazwa_nowego_brancha

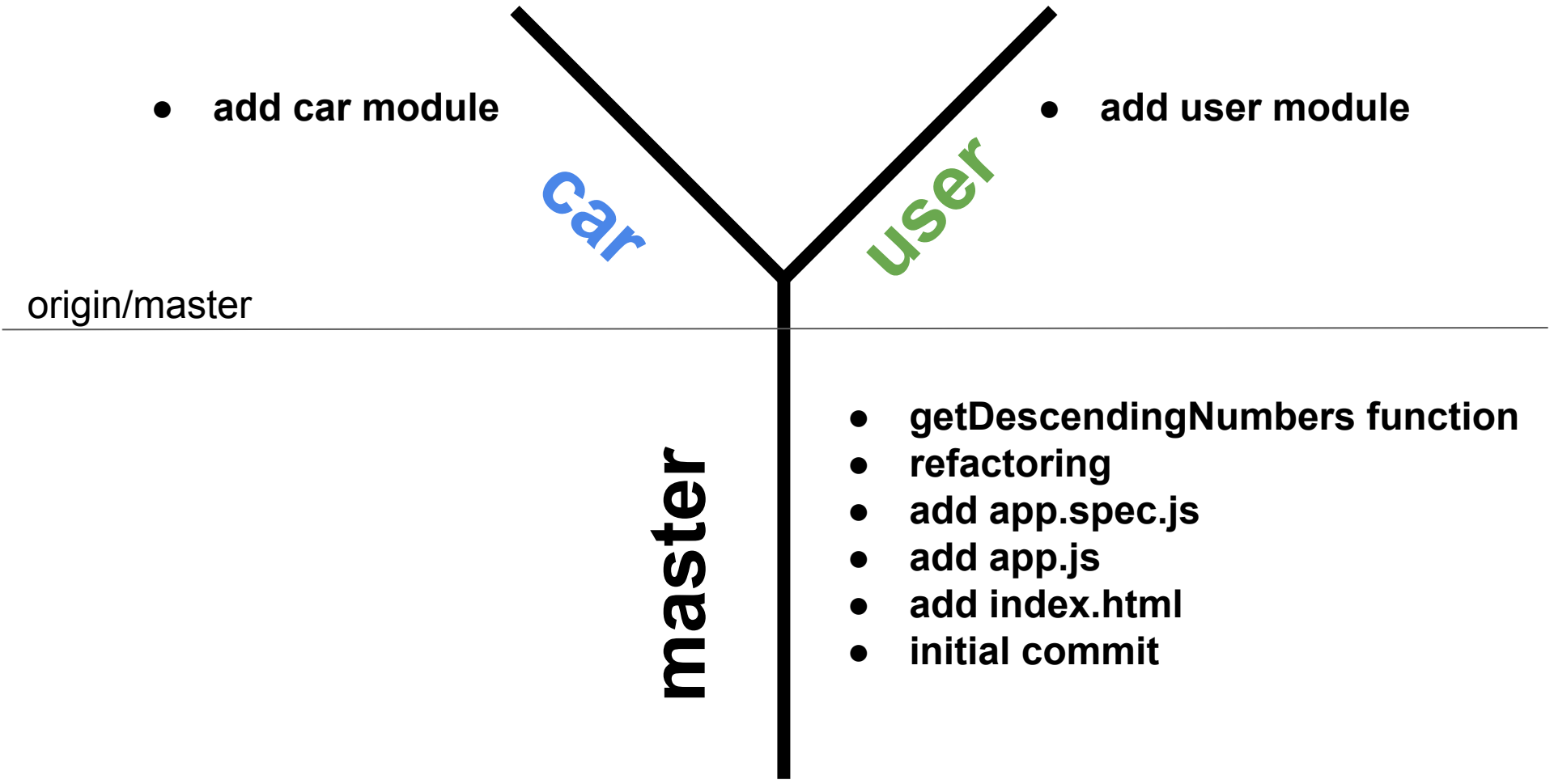
```
C:\Users\Ania\exercise\project>git checkout -b car
Switched to a new branch 'car'

C:\Users\Ania\exercise\project>git status
On branch car
nothing to commit, working directory clean
```

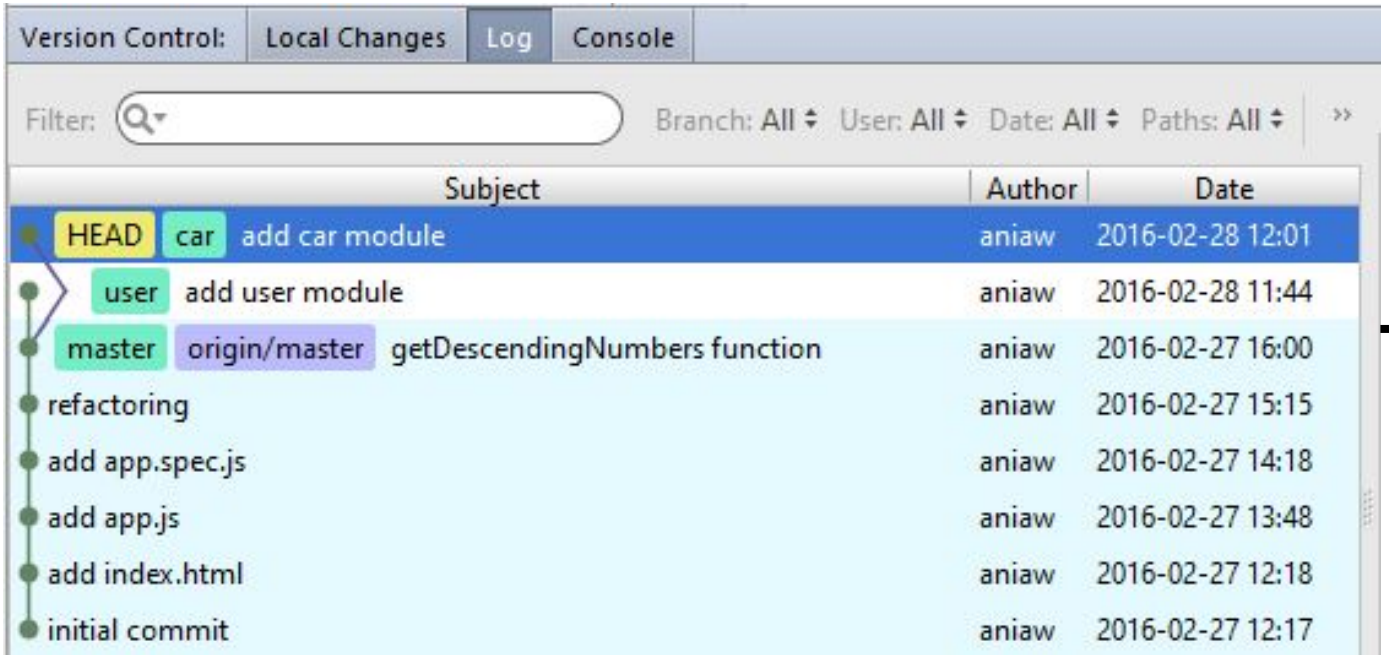


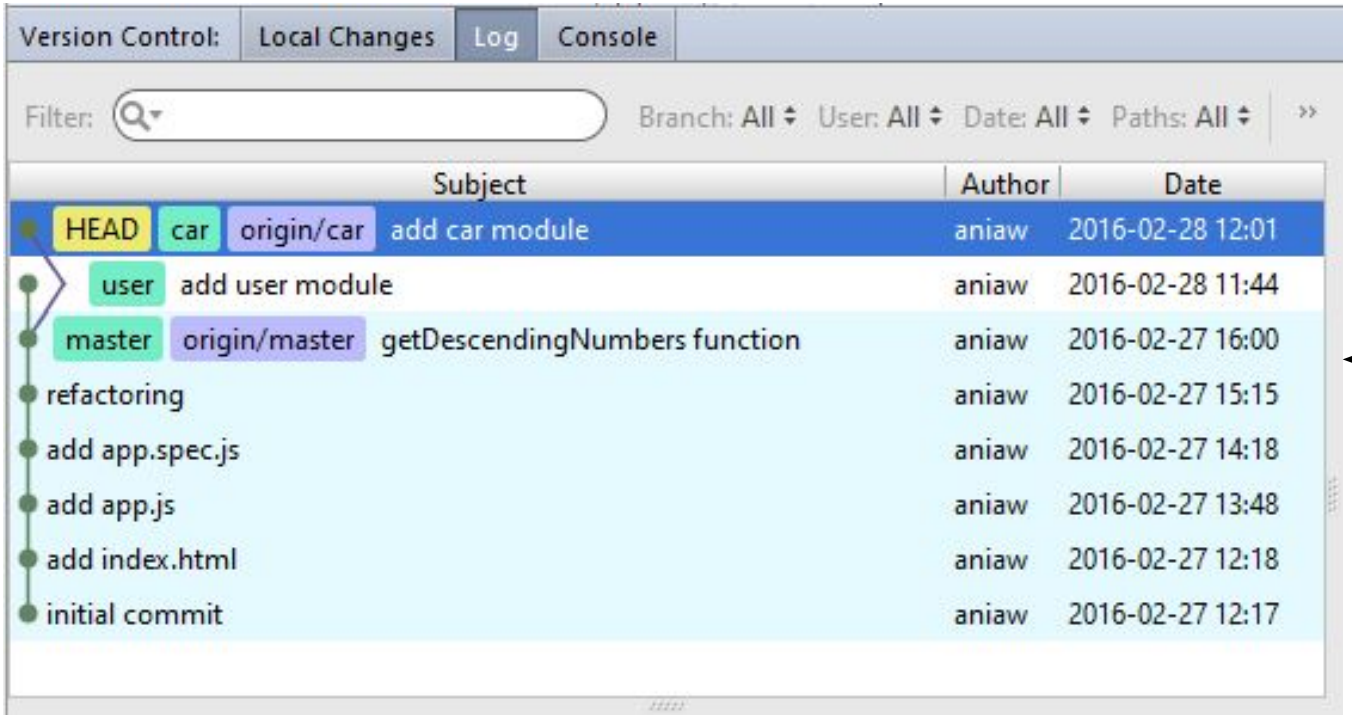


git add .
git commit -m “add car module”

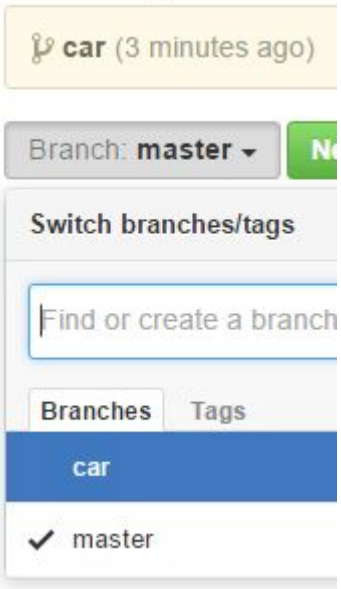



add car module
add user module
car
user
origin/master
master
getDescendingNumbers function
refactoring
add app.spec.js
add app.js
add index.html
initial commit

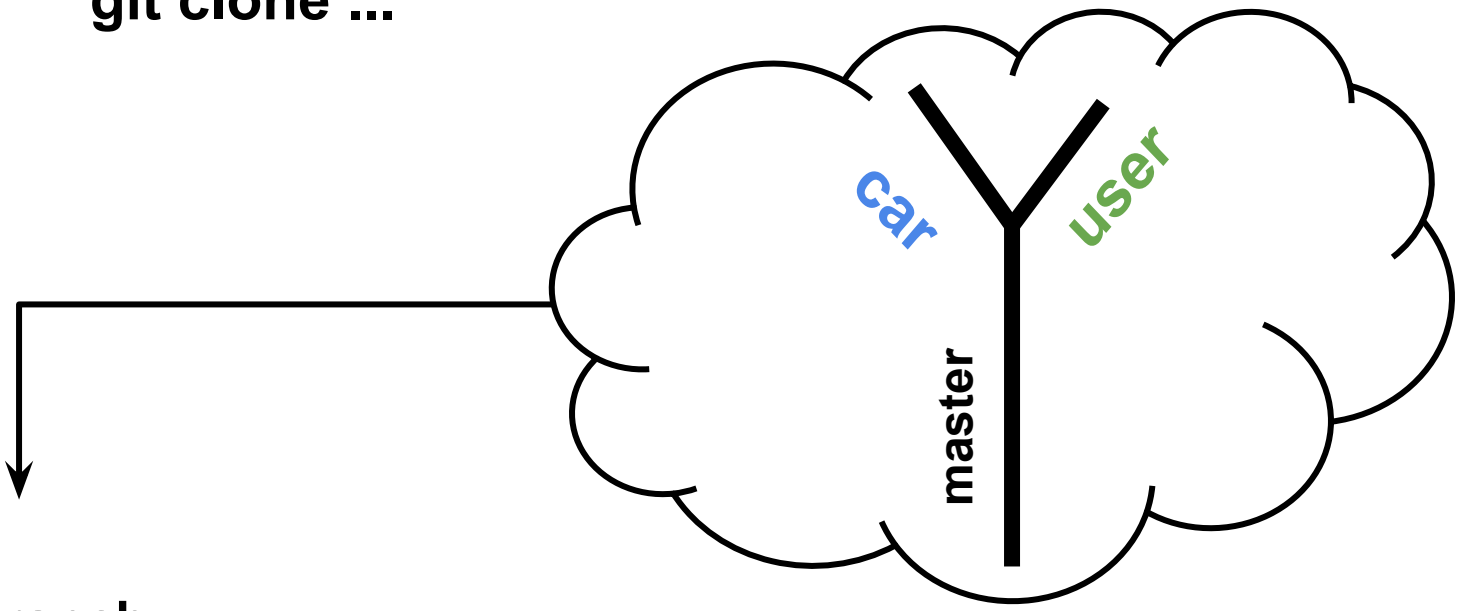




git push origin car



git clone ...



git branch

```
C:\Users\Ania\Desktop\project>git branch
* master
```

- **master ?!**

git branch - r

git branch --all

```
C:\Users\Ania\Desktop\project>git branch -r
  origin/HEAD -> origin/master
  origin/car
  origin/master
  origin/user
```

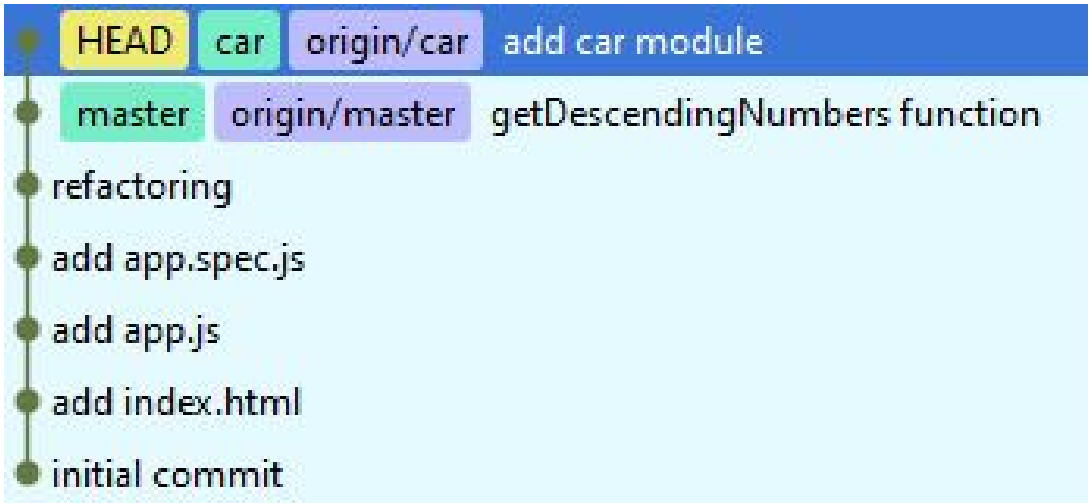
usuwanie lokalnych branchy

git branch -D nazwa_brancha

```
* bc3e5a7 (user) add user module
| * 5652326 (origin/car, car) add car module
|/
* 831fc35 (HEAD -> master, origin/master, origin/HEAD) getDescendingNumbers function
* 33f1d23 refactoring
* 3e281f0 add app.spec.js
* 23c0508 add app.js
* 474e529 add index.html
* a09edcc initial commit
```

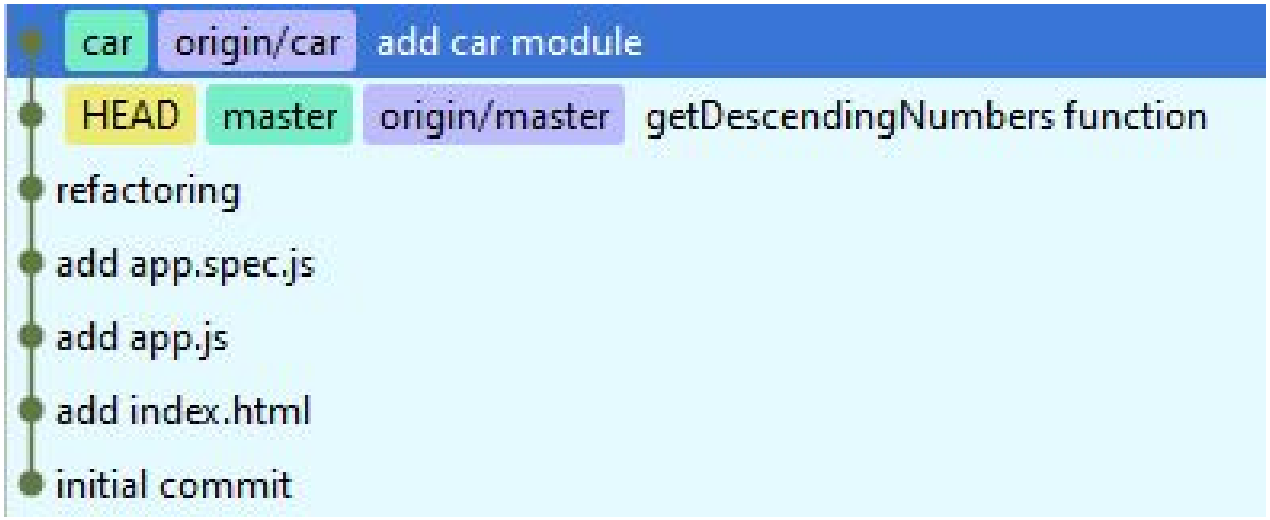
git branch -D user

```
C:\Users\Ania\Desktop\project>git log --oneline --graph --decorate --all
* 5652326 (origin/car, car) add car module
* 831fc35 (HEAD -> master, origin/master, origin/HEAD) getDescendingNumbers function
* 33f1d23 refactoring
* 3e281f0 add app.spec.js
* 23c0508 add app.js
* 474e529 add index.html
* a09edcc initial commit
```



git branch -D car

```
C:\Users\Ania\Desktop\project>git branch -D car
error: Cannot delete the branch 'car' which you are currently on.
```

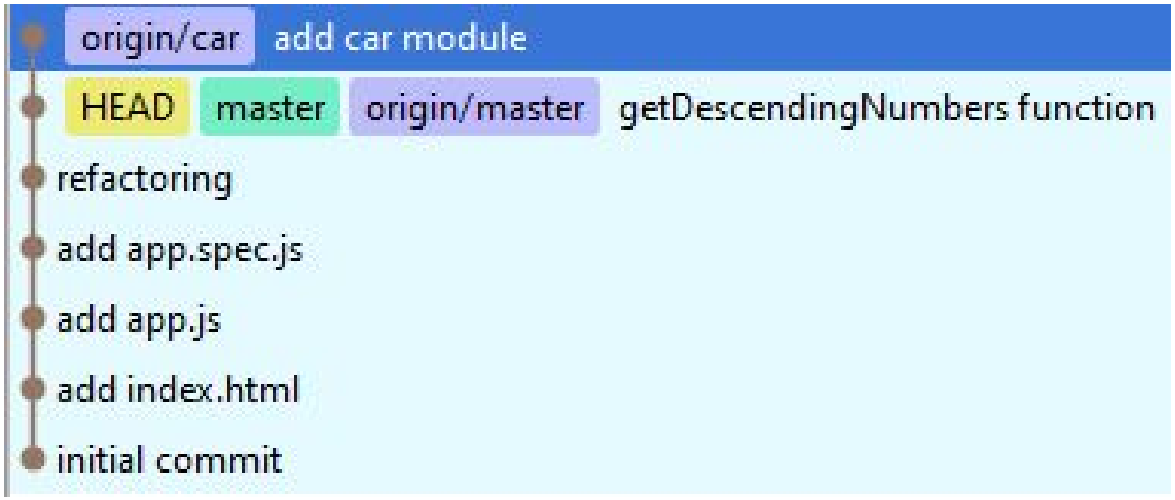


git branch -D user

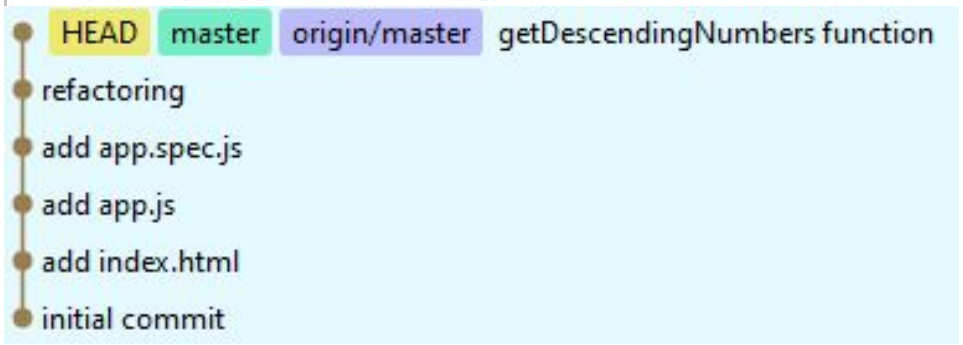
```
C:\Users\Ania\Desktop\project>git branch -D car
Deleted branch car (was 5652326).
```

usuwanie branchy zdalnych

git push nazwa_repo :nazwa_brancha

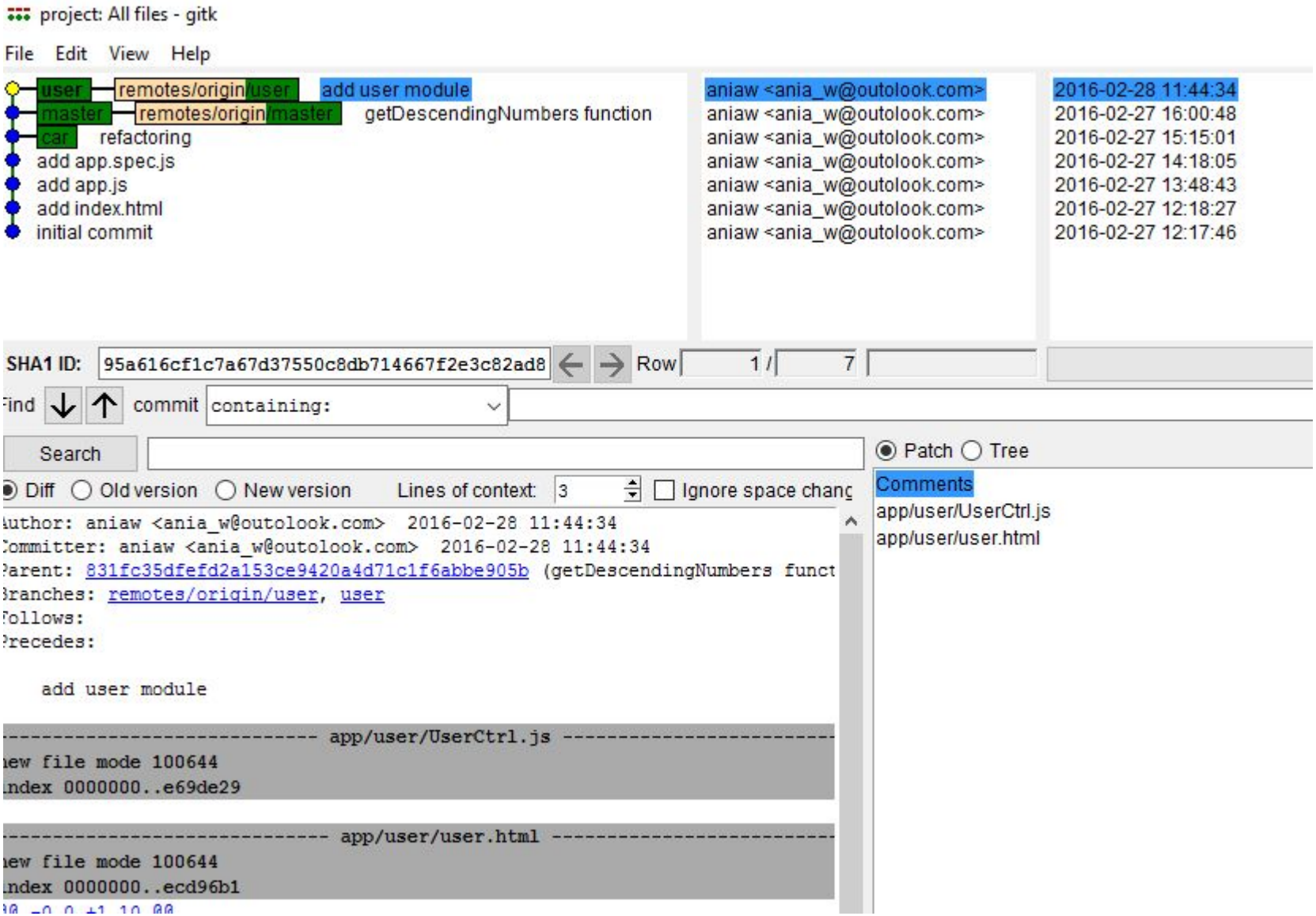



```
C:\Users\Ania\Desktop\project>git push origin :car
Username for 'https://github.com': aniaw
Password for 'https://aniaw@github.com':
To https://github.com/aniaw/project.git
 - [deleted]         car
```



git push origin :car

gitk


project: All files - gitk
File Edit View Help
user remotes/origin/user add user module
master remotes/origin/master getDescendingNumbers function
car refactoring
add app.spec.js
add app.js
add index.html
initial commit
aniaw <ania_w@outolook.com> 2016-02-28 11:44:34
aniaw <ania_w@outolook.com> 2016-02-27 16:00:48
aniaw <ania_w@outolook.com> 2016-02-27 15:15:01
aniaw <ania_w@outolook.com> 2016-02-27 14:18:05
aniaw <ania_w@outolook.com> 2016-02-27 13:48:43
aniaw <ania_w@outolook.com> 2016-02-27 12:18:27
aniaw <ania_w@outolook.com> 2016-02-27 12:17:46
SHA1 ID: 95a616cf1c7a67d37550c8db714667f2e3c82ad8
Row 1 / 7
Find commit containing:
Search
Patch Tree
Diff Old version New version Lines of context: 3 Ignore space chang
Comments
app/user/UserCtrl.js
app/user/user.html
Author: aniaw <ania_w@outolook.com> 2016-02-28 11:44:34
Committer: aniaw <ania_w@outolook.com> 2016-02-28 11:44:34
Parent: 831fc35dfefd2a153ce9420a4d71c1f6abbe905b (getDescendingNumbers funct
Branches: remotes/origin/user, user
Follows:
Precedes:
add user module
---------- app/user/UserCtrl.js ----------
new file mode 100644
index 0000000..e69de29
---------- app/user/user.html ----------
new file mode 100644
index 0000000..ecd96b1