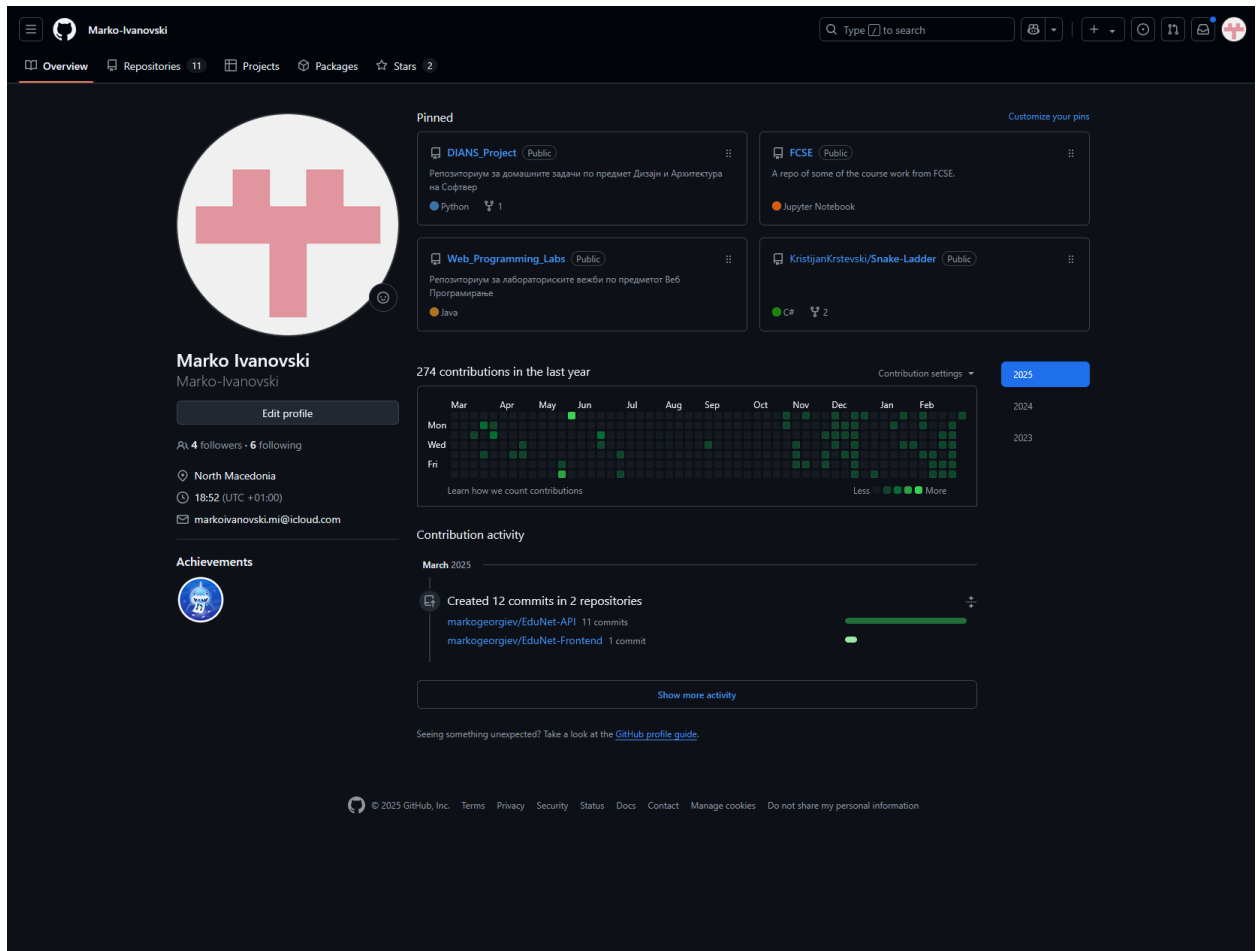


Домашна 1

Part 1:

1. Веќе имам креирано [GitHub Account](#), кој го имам користено за правење на домашни по други предмети:

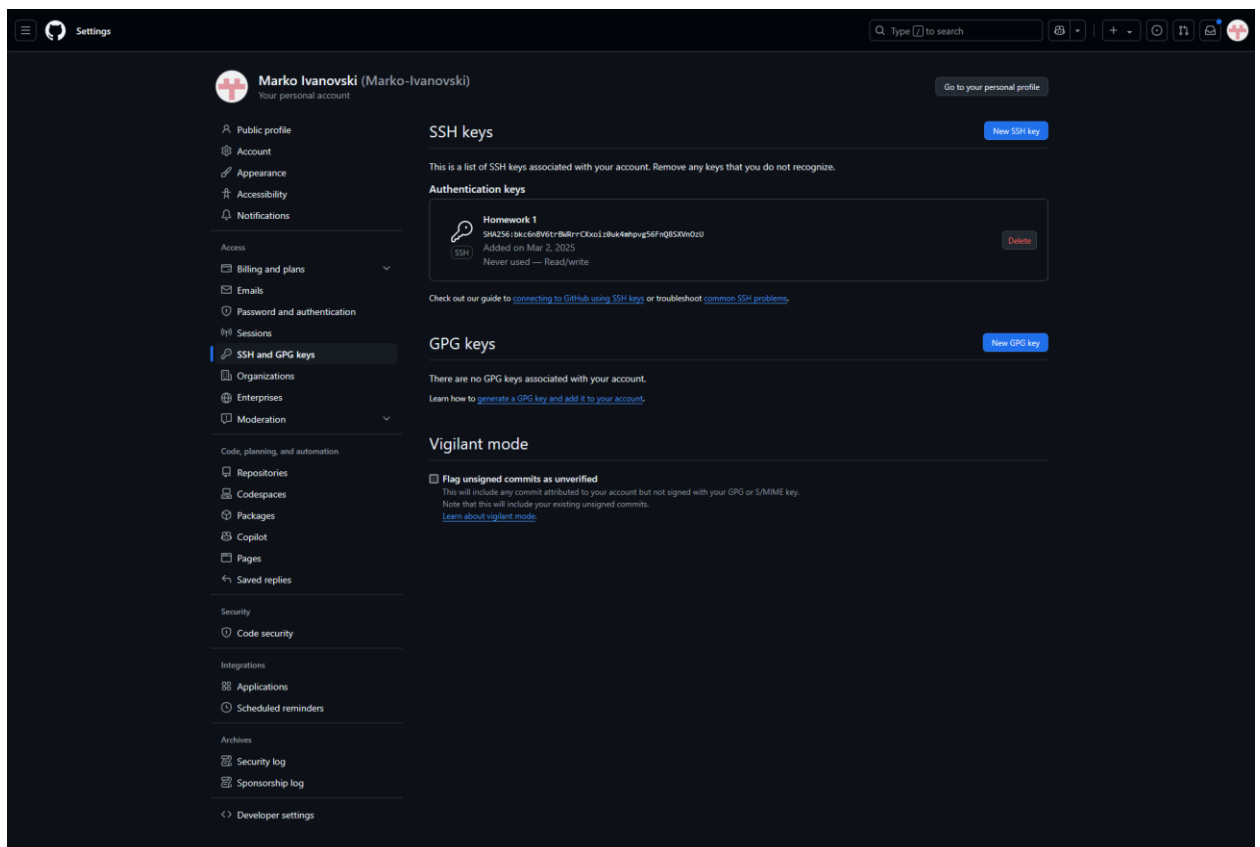


2. Креирање на SSH Key Pair, и додавање во Settings:
 - `$ ssh-keygen -t ed25519 -C "markoivanovski.mi@icloud.com"`

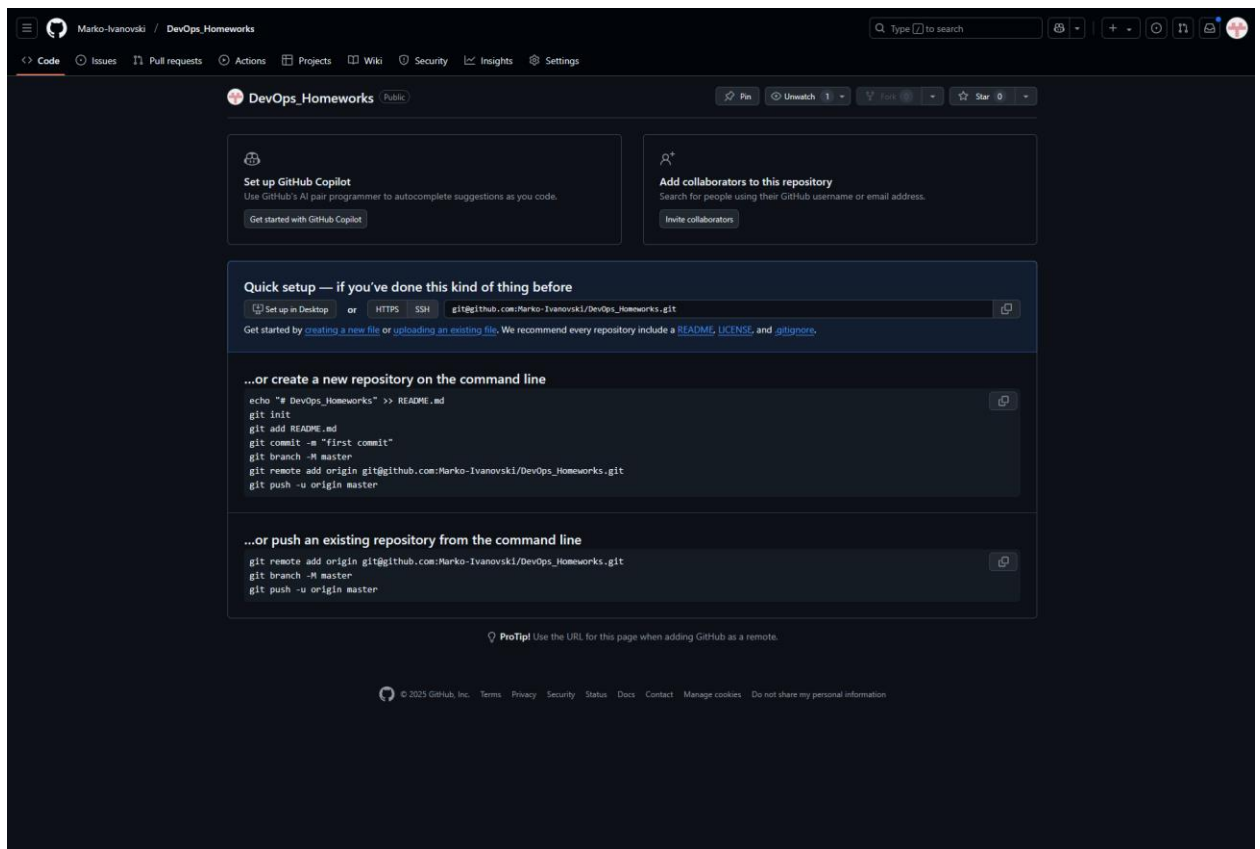
```
MINGW64/c/Users/marko x + v
marko@Markos-Desktop MINGW64 ~
$ ssh-keygen -t ed25519 -C "markoivanovski.mi@icloud.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/marko/.ssh/id_ed25519):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/marko/.ssh/id_ed25519
Your public key has been saved in /c/Users/marko/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:bk6nBV6trBWrrCXxoiz8uk4mhpg56FnQ8SXVn0zU markoivanovski.mi@icloud.com
The key's randomart image is:
+--[ED25519 256]--+
|      . . . o E      |
|      . . . o o .    |
|      . . . =        |
|      . . . + o      |
|      . . . S B      |
|      . . . + o & .   |
|      . o o = % +     |
|      o * o = * *     |
|      B * o   + o     |
+-----[SHA256]-----+

marko@Markos-Desktop MINGW64 ~
$ |
```

- Додавање на SSH Key на GitHub Account:



3. Ново GitHub Repository, и клонирање на истото со git clone команда:



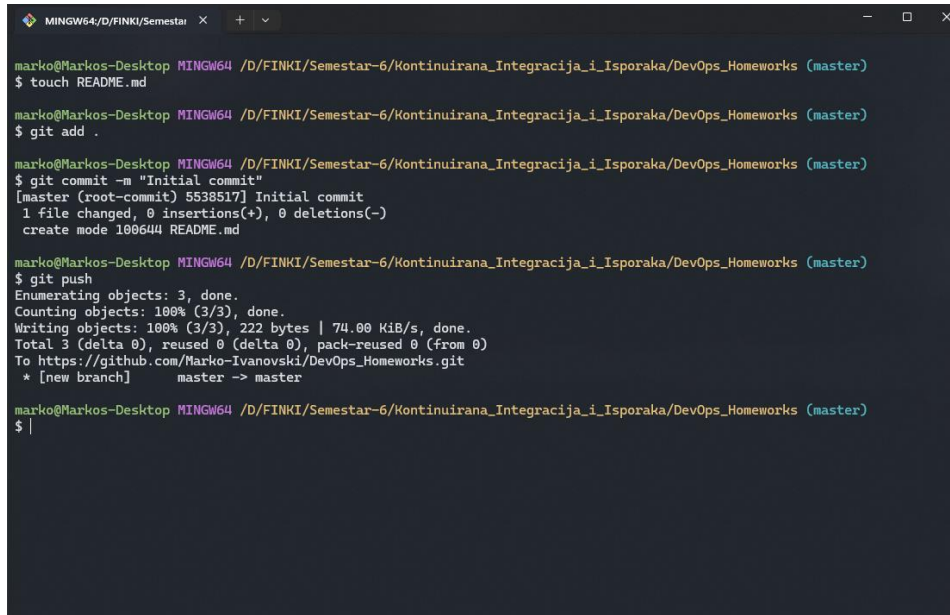
- Користење git clone:

\$ git clone https://github.com/Marko-Ivanovski/DevOps_Homeworks.git

```
MINGW64/D/FINKI/Semestar x + v
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka
$ git clone https://github.com/Marko-Ivanovski/DevOps_Homeworks.git
Cloning into 'DevOps_Homeworks'...
warning: You appear to have cloned an empty repository.
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka
$
```

4. Креирање на README.md датотека, и додавање во master гранката во remote repository-то:

```
$ touch README.md
$ git add .
$ git commit -m "Initial commit"
$ git push
```

A terminal window titled 'MINGW64/D/FINKI/Semestar' showing the execution of Git commands. The user 'marko@Markos-Desktop' is in the directory '/D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)'. The commands executed are: 'touch README.md', 'git add .', 'git commit -m "Initial commit"', and 'git push'. The output for 'git push' shows the creation of the initial commit and the push to the remote repository at 'https://github.com/Marko-Ivanovski/DevOps_Homeworks.git'.

```
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ touch README.md

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git add .

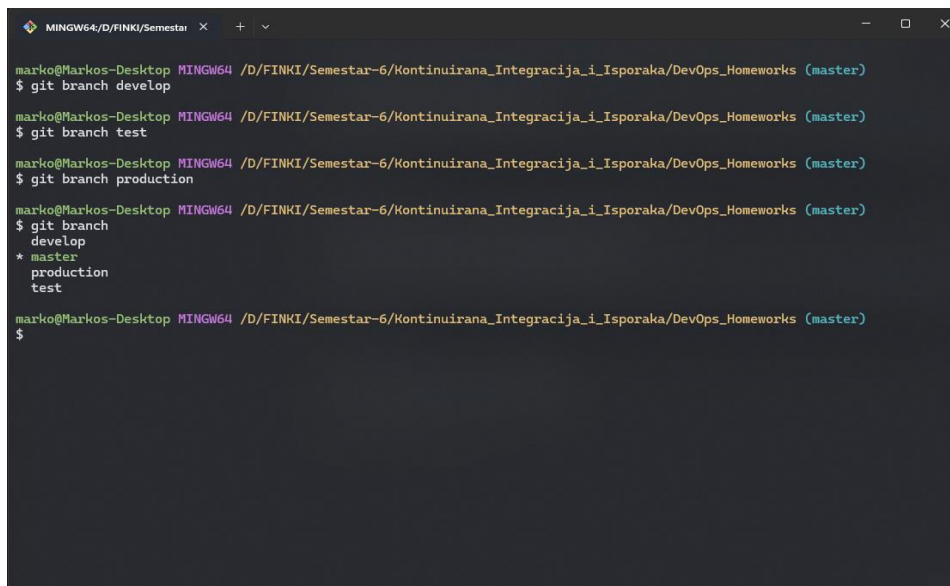
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git commit -m "Initial commit"
[master (root-commit) 5538517] Initial commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 README.md

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 222 bytes | 74.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Marko-Ivanovski/DevOps_Homeworks.git
 * [new branch]      master -> master

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ |
```

5. Креирање на 3 гранки: develop, test и production:

```
$ git branch develop
$ git branch test
$ git branch production
$ git branch
```

A terminal window titled 'MINGW64/D/FINKI/Semestar' showing the execution of 'git branch' commands to create 'develop', 'test', and 'production' branches. The user 'marko@Markos-Desktop' is in the same directory as before. The commands are: 'git branch develop', 'git branch test', 'git branch production', and 'git branch'. The output shows the successful creation of each branch.

```
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git branch develop

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git branch test

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git branch production

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git branch
develop
* master
production
test

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$
```

6. Checkout на гранка develop, правење промена на README.md, и правење merge со master гранката:

```
$ git checkout develop
$ nano README.md
$ git add .
$ git commit -m "Changed the README.md file"
$ git push --set-upstream origin develop
$ git checkout test
$ git merge develop
$ git push --set-upstream origin test
$ git checkout production
$ git merge develop
$ git push --set-upstream origin production
$ git checkout master
$ git merge develop
$ git add .
$ git push
```

```
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git checkout develop
Switched to branch 'develop'

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (develop)
$ nano README.md

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (develop)
$ git add .
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (develop)
$ git commit -m "Changed the README.md file"
[develop a9bbe5b] Changed the README.md file
1 file changed, 1 insertion(+)

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (develop)
$ git push
fatal: The current branch develop has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin develop

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (develop)
$ git push --set-upstream origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 329 bytes | 329.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:   https://github.com/Marko-Ivanovski/DevOps_Homeworks/pull/new/develop
remote:
To https://github.com/Marko-Ivanovski/DevOps_Homeworks.git
 * [new branch]      develop -> develop
branch 'develop' set up to track 'origin/develop'.
```

```
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git checkout test
Switched to branch 'test'

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (test)
$ git merge develop
Updating 5538517..a9bbe5b
Fast-forward
 README.md | 1 +
 1 file changed, 1 insertion(+)

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (test)
$ git push --set-upstream origin test
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'test' on GitHub by visiting:
remote:   https://github.com/Marko-Ivanovski/DevOps_Homeworks/pull/new/test
remote:
To https://github.com/Marko-Ivanovski/DevOps_Homeworks.git
 * [new branch]      test -> test
branch 'test' set up to track 'origin/test'.

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (test)
$ git checkout production
Switched to branch 'production'

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (production)
$ git merge develop
Updating 5538517..a9bbe5b
Fast-forward
 README.md | 1 +
 1 file changed, 1 insertion(+)

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (production)
$ git push --set-upstream origin production
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'production' on GitHub by visiting:
remote:   https://github.com/Marko-Ivanovski/DevOps_Homeworks/pull/new/production
remote:
To https://github.com/Marko-Ivanovski/DevOps_Homeworks.git
 * [new branch]      production -> production
branch 'production' set up to track 'origin/production'.

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (develop)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git merge develop
Updating 5538517..a9bbe5b
Fast-forward
 README.md | 1 +
 1 file changed, 1 insertion(+)

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git add .

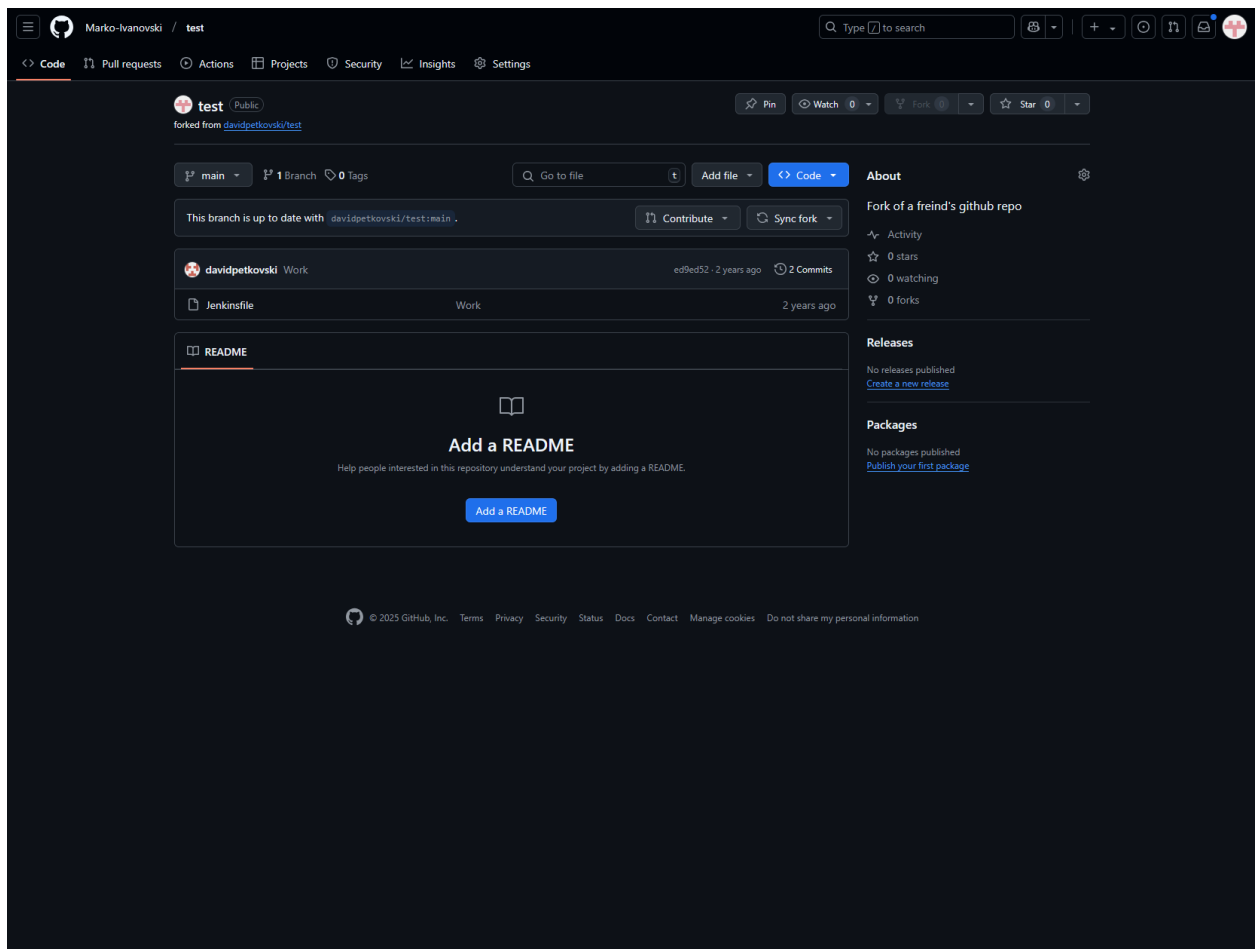
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git commit -m "Merging develop into master"
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/DevOps_Homeworks (master)
$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Marko-Ivanovski/DevOps_Homeworks.git
 5538517..a9bbe5b  master -> master
```

Part 2:

1. Fork na GitHub repository koj pripada na kolega:



2. Креирање нова гранка, нова test.txt датотека и правење push до remote repository:

```
$ git branch testing
```

```
$ git checkout testing
```

```
$ touch test.txt
```

```
$ nano test.txt
```

```
$ git add .
```

```
$ git commit -m "Added test.txt file and modified its content"
```

```
$ git push --set-upstream origin testing
```



```
MINGW64/D/FINKI/Semestar x + -
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/test/test (main)
$ git branch testing

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/test/test (main)
$ git checkout testing
Switched to branch 'testing'

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/test/test (testing)
$ touch test.txt

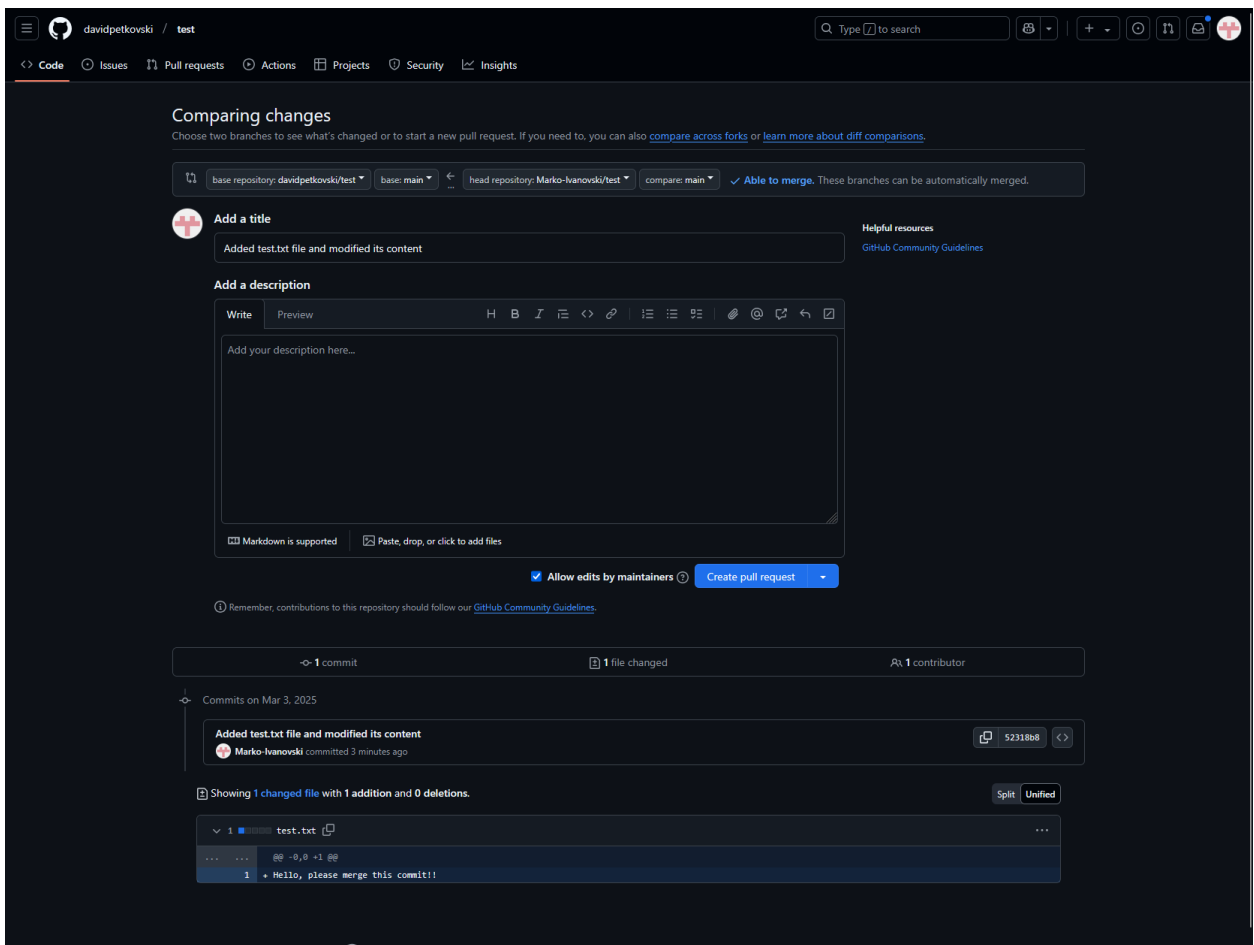
marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/test/test (testing)
$ nano test.txt

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/test/test (testing)
$ git add .
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches it

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/test/test (testing)
$ git commit -m "Added test.txt file and modified its content"
[testing 52318b8] Added test.txt file and modified its content
1 file changed, 1 insertion(+)
create mode 100644 test.txt

marko@Markos-Desktop MINGW64 /D/FINKI/Semestar-6/Kontinuirana_Integracija_i_Isporaka/test/test (testing)
$ git push --set-upstream origin testing
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 346 bytes | 346.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'testing' on GitHub by visiting:
remote:   https://github.com/Marko-Ivanovski/test/pull/new/testing
remote:
To https://github.com/Marko-Ivanovski/test.git
 * [new branch]      testing -> testing
branch 'testing' set up to track 'origin/testing'.
```

3. Отварање на pull request преку GitHub страната



4. Screenshots-от од GitHub repository-то на колегата

