

Ministerul Educatiei al Republicii Moldova

Universitatea Tehnică a Moldovei

# RAPORT

Lucrare de laborator Nr. 2

*La Medii Interactive de Dezvoltare a Produselor Soft*

*A efectuat:*

*st.gr.TI-141  
Guba Dumitru*

*A verificat:*

*lector asistent Irina Cojanu  
lector superior Svetlana Cojocar*

Chişinău 2016

# Tema: Version Control Systems si modul de setare a unui server

---

## Objective:

- Intelegerea si folosirea CLI (basic level)
- Administrarea remote a masinilor linux machine folosind SSH (remote code editing)
- Version Control Systems (git || mercurial || svn)
- Compileaza codul C/C++/Java/Python prin intermediul CLI, folosind compilatoarele gcc/g++/javac/python

## Task 1

- initializeaza un nou repository

Rezolvare: am reinitializat repozitoriul existent

```
wert jr@MICROSOFT-PC MINGW64 /d/midps (master)
$ git init
Reinitialized existing Git repository in D:/midps/.git/

wert jr@MICROSOFT-PC MINGW64 /d/midps (master)
$ |
```

## Task 2

- configureaza-ti VCS

Rezolvare: configurariile au fost facute anterior: am adaugat key la account folosind ssh - keygen, folosind git config pentru username email si password, pentru push.

```
wert jr@MICROSOFT-PC MINGW64 /d/midps (master)
$ ssh-keygen|
```

```
wert jr@MICROSOFT-PC MINGW64 /d/midps (master)
$ cat ~/.ssh/id_rsa.pub|
```

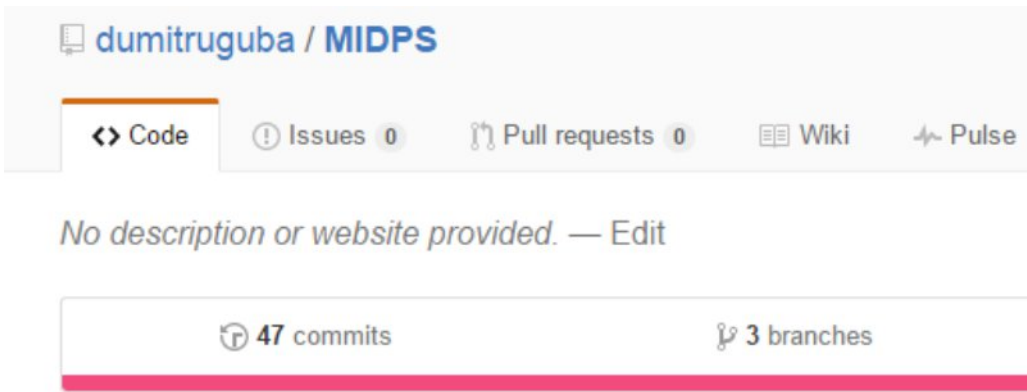
```
wert jr@MICROSOFT-PC MINGW64 /d/midps (master)
$ git config --global user.email "dumitru.guba@gmail.com"|
```

```
wert jr@MICROSOFT-PC MINGW64 /d/midps (master)
$ git config --global user.name "dumitruguba"|
```

# Task 3

- crearea branch-urilor (creeaza cel putin 2 branches)

Rezolvare: am creat branch-urile cu git branch <branch\_name> schimbarea intre branch-uri cu git checkout <branch\_name>



# Task 4

- commit pe ambele branch-uri (cel putin 1 commit per branch)

Rezolvare:



**\*\*Am facut si merge intre 2 branch-uri**

```
wert jr@MICROSOFT-PC MINGW64 /d/midps (master)
$ git merge master branch2
Updating 51c10f9..d1b7f30
Fast-forward
 Lab#2/HelloWorld.class | Bin 420 -> 0 bytes
 Lab#2/hello.c           | 7 -----
 Lab#2/hello.cpp          | 9 -----
 Lab#2/hello.java         | 5 -----
 branch2                 | 1 +
 branch3                 | 1 +
6 files changed, 2 insertions(+), 21 deletions(-)
delete mode 100644 Lab#2/HelloWorld.class
delete mode 100644 Lab#2/hello.c
delete mode 100644 Lab#2/hello.cpp
delete mode 100644 Lab#2/hello.java
create mode 100644 branch2
create mode 100644 branch3
```

## Concluzie

In urma laboratorului am acumulat noi deprinderi utilizind git-ul. Am setat repozitoriul dorit, l-am initializat, configurat. Am invatat comenzile de baza si celelalte necesare pentru atingerea scopurilor laboratorului. Am creat noi branch-uri, am facut comit pe ele si merge intre 2 branch-uri.

## Referinte

<http://www.vogella.com/tutorials/Git/article.html#setup>

[https://github.com/BestMujik/MIDPS-labs/blob/master/MIDPS\\_Lab%232.md](https://github.com/BestMujik/MIDPS-labs/blob/master/MIDPS_Lab%232.md)