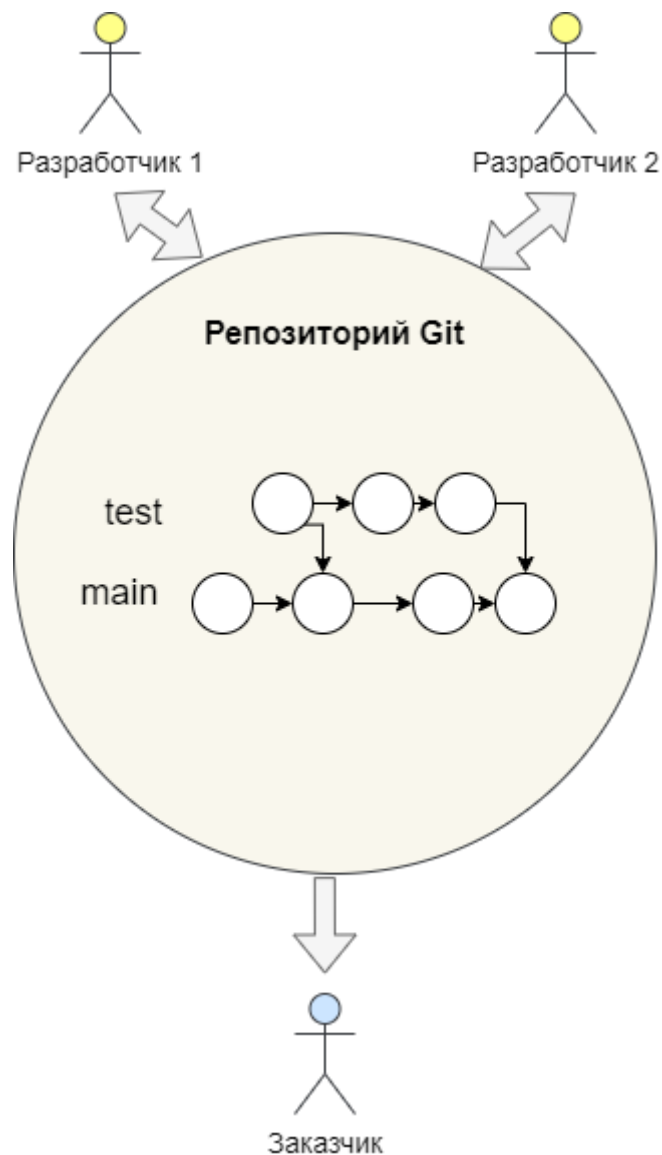
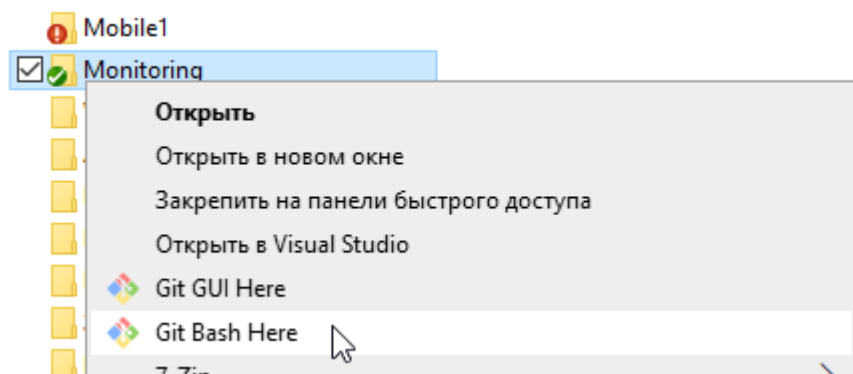


## Отчёт по настройке структуры Git

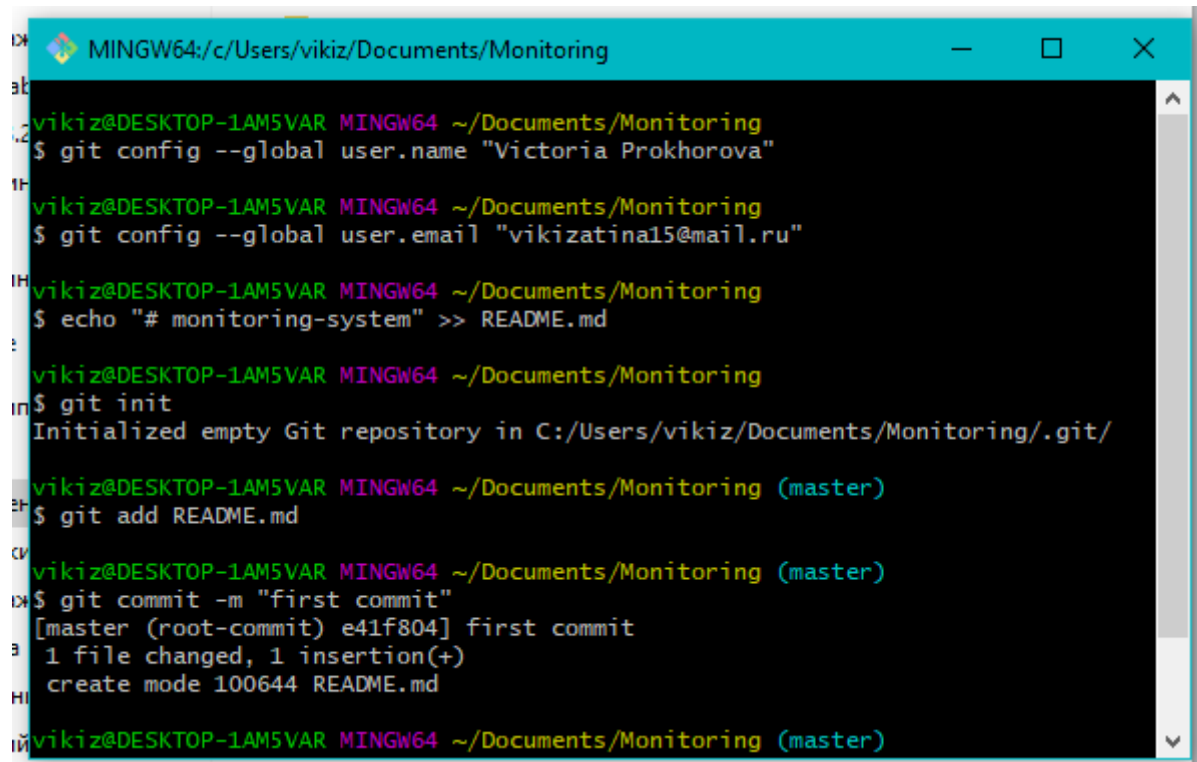
1) Была создана диаграмма структуры репозитория Git:



2) На одном из локальных компьютеров была создана папка под названием «Monitoring» и затем из неё была запущена командная строка «Git Bash Here»:

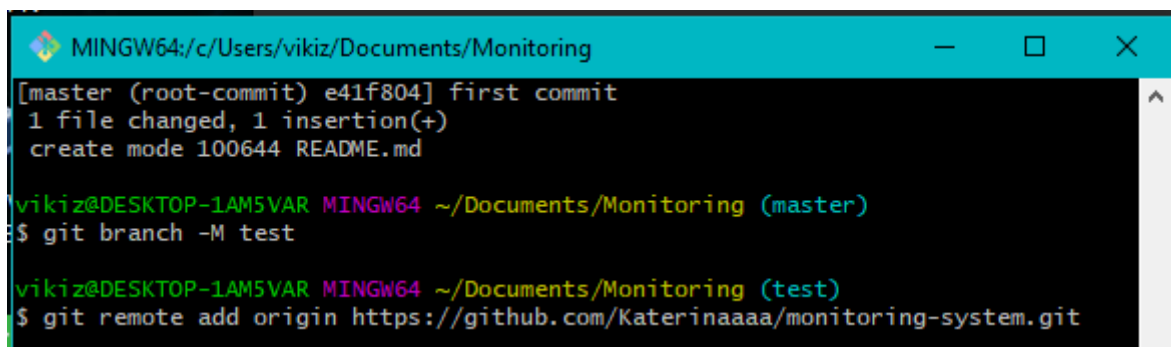


3) Ввели свои данные и в файл README.md дописали содержимое, затем инициализировали локальный репозиторий и добавили в него наш единственный файл, создали первый коммит (пока локально):



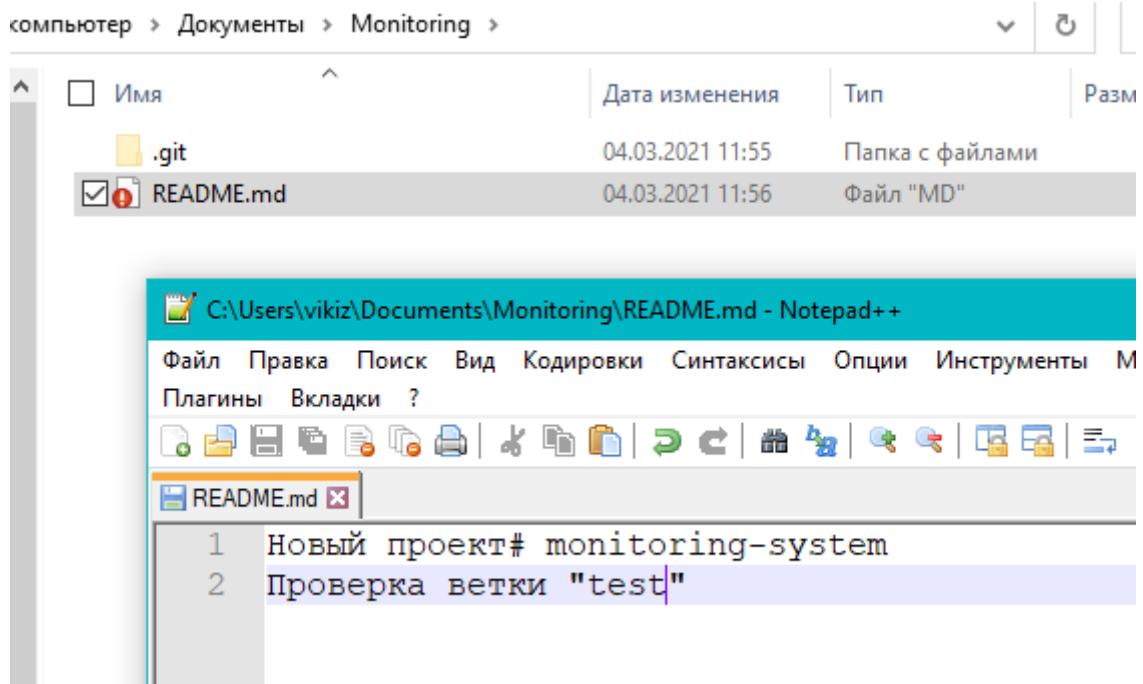
```
MINGW64:/c:/Users/vikiz/Documents/Monitoring
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring
$ git config --global user.name "Victoria Prokhorova"
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring
$ git config --global user.email "vikizatinal5@mail.ru"
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring
$ echo "# monitoring-system" >> README.md
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring
$ git init
Initialized empty Git repository in C:/Users/vikiz/Documents/Monitoring/.git/
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (master)
$ git add README.md
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (master)
$ git commit -m "first commit"
[master (root-commit) e41f804] first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (master)
```

4) Создали основную ветку под названием main, а также создали дополнительную ветку с именем test, в которую будем загружать весь код для тестирования, и определили наш удаленный репозиторий:



```
[master (root-commit) e41f804] first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (master)
$ git branch -M test
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
$ git remote add origin https://github.com/Katerinaaaa/monitoring-system.git
```

5) В ветке test в локальной папке изменили содержимое файла «README.md»:



И создали новый коммит в ветку test:

```
MINGW64:/c/Users/vikiz/Documents/Monitoring

vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (main)
$ git checkout test
Switched to branch 'test'
Your branch is up to date with 'origin/test'.

vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
$ git status
On branch test
Your branch is up to date with 'origin/test'.

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:   README.md

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

vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
$ git add .

vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
```


```
MINGW64:/c:/Users/vikiz/Documents/Monitoring
vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
$ git add .


vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
$ git commit -m "Проверка ветки test"
[test 059a162] Проверка ветки test
1 file changed, 1 insertion(+)


vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
$ git push origin test
fatal: HttpRequestException encountered.
#####
Username for 'https://github.com': VikaPro
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 351 bytes | 43.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Heads up! The branch 'test' that you pushed to was renamed to 'main'.
remote:
To https://github.com/Katerinaaaa/monitoring-system.git
e41f804..059a162 test -> test


vikiz@DESKTOP-1AM5VAR MINGW64 ~/Documents/Monitoring (test)
$ |
```



7) Видим, что содержимое файла README.md на разных ветках разное:

 main ▾

 2 branches


 0 tags


 Katerinaaaa Структура Git


 docs	Структура Git
 README.md	first commit

README.md


Новый проект# monitoring-system


 test ▾

 2 branches

 0 tags

This branch is 1 commit ahead, 1 commit behind main.

 VikaPro Проверка ветки test

 README.md

Проверка ветки test

README.md

Новый проект# monitoring-system Проверка ветки "test"

8) Затем второй разработчик также инициировался в проекте и сделал pull всей ветки main к себе на локальную машину:

```
MINGW64:/c:/!my/Monitoring
tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring
$ git config --global user.name "Ekaterina Golovchenko"

tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring
$ git config -- global user.email "tigerkaterina@gmail.com"
fatal: not in a git directory

tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring
$ git config --global user.email "tigerkaterina@gmail.com"

tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring
$ git init
Initialized empty Git repository in C:/!my/Monitoring/.git/

tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring (master)
$ git remote add origin https://github.com/Katerinaaaa/monitoring-system.git

tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring (master)
$ git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/Katerinaaaa/monitoring-system
* branch      main      -> FETCH_HEAD
* [new branch] main      -> origin/main

tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring (master)
$ git checkout main
Switched to a new branch 'main'
Branch 'main' set up to track remote branch 'main' from 'origin'.

tiger@DESKTOP-9L7JSD4 MINGW64 /c:/!my/Monitoring (main)
$
```

9) Также была создана директория «docs» для всей необходимой отчётности по проекту:

```
tiger@DESKTOP-9L7JSD4 MINGW64 /c!/my/Monitoring (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

    docs/

nothing added to commit but untracked files present (use "git add" to track)

tiger@DESKTOP-9L7JSD4 MINGW64 /c!/my/Monitoring (main)
$ git add .

tiger@DESKTOP-9L7JSD4 MINGW64 /c!/my/Monitoring (main)
$ git commit -m "Структура Git"
[main 2f32b63] Структура Git
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 "docs/\320\264\320\270\320\260\320\263\321\200\320\260\320\274\320\274\320\260.pn
g"

tiger@DESKTOP-9L7JSD4 MINGW64 /c!/my/Monitoring (main)
$ git push origin main
Logon failed, use ctrl+c to cancel basic credential prompt.
Username for 'https://github.com': Katerinaaaa
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 28.95 KiB | 14.47 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/Katerinaaaa/monitoring-system.git
 e41f804..2f32b63  main -> main

tiger@DESKTOP-9L7JSD4 MINGW64 /c!/my/Monitoring (main)
$
```