



University of Ontario Institute of Technology (UOIT)
Faculty of Engineering and Applied Science (FEAS)
Department Of Electrical, Computer, And Software Engineering (ECSE)

Software Project Management (SOFE 3490)

Lab #1 Submission | Screenshots

Okwudili Ezeme

Winter 2020

Group Members

Aryan Kukreja (100651838)

Screenshots

The following document contains the screenshots of every step in the Lab document.

Create a Git repository using the cheat-sheet commands

Created a directory to host the repository, and initialized a blank repository within it.

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects
$ mkdir Lab1-Submission

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects
$ cd Lab1-Submission/

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission
$ git init
Initialized empty Git repository in C:/Users/100651838/JetBrainsProjects/Lab1-Submission/.git/
```

Edit “Student” file to include your own Student Name & Student ID

The file is created with my name and student number in it. As a test, the **cat** command is used to see if the contents are successfully written.

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ echo "Aryan Kukreja (100651838) - aryan.kukreja@ontariotechu.net" > Student

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ cat Student
Aryan Kukreja (100651838) - aryan.kukreja@ontariotechu.net
```

Commit changes

This command adds the Student file to the repository, and then commits the entire repository.

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git add Student
warning: LF will be replaced by CRLF in Student.
The file will have its original line endings in your working directory

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git commit -m "Initial Commit - Student file created with my name and student number"
[master (root-commit) f851634] Initial Commit - Student file created with my name and student number
1 file changed, 1 insertion(+)
create mode 100644 Student

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
```

Create IgnoreExample.txt

This command creates the IgnoreFile.txt file and adds it to the repository

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ touch IgnoreExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git add IgnoreExample.txt
```

Edit the content of IgnoreExample.txt and Use git status and screenshot the outcome

The content of IgnoreExample.txt is edited, and to test if the content was added, we use the git status to see if the file was made or not.

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status IgnoreExample.txt
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   IgnoreExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ echo "This is some text" > IgnoreExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status IgnoreExample.txt
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   IgnoreExample.txt

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   IgnoreExample.txt
```

Commit changes

The changes are committed as shown in the below screenshot. To check that all files are added successfully to the rep, the “**git add .**” command is run as a safety check, before committing again.

```
100651838@UOSL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git commit -m "Committing IgnoreFile.txt creation and update"
[master 1a4f276] Committing IgnoreFile.txt creation and update
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 IgnoreExample.txt

100651838@UOSL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git add .
warning: LF will be replaced by CRLF in IgnoreExample.txt.
The file will have its original line endings in your working directory

100651838@UOSL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git commit -m "Committing IgnoreFile.txt creation and update"
[master 31bac24] Committing IgnoreFile.txt creation and update
 1 file changed, 1 insertion(+)
```

Add IgnoreExample.txt to .gitignore file

```
100651838@UOSL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git rm --cached IgnoreExample.txt |

100651838@UOSL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ nano .gitignore
```

Here, I add the filename **IgnoreExample.txt** to ignore that file and save it.

```
100651838@UOSL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git add .|

100651838@UOSL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    deleted:    IgnoreExample.txt
```


Edit content of IgnoreExample.txt and Use git status and screenshot the outcome

Now we edit the **IgnoreExample.txt**, and run **git status** to get the output below. As expected, git no longer tracks the **IgnoreExample.txt** file

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ echo "Now we changing the content of the file" > IgnoreExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    deleted:    IgnoreExample.txt
```

Create a new branch using git branch

A sample branch called **example** is made with **git branch**.

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git branch example
```

Switch to a new branch

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git checkout example
Switched to branch 'example'
A       .gitignore
D       IgnoreExample.txt
```

Edit BranchExample.txt (create this if not present) via notepad command notepad BranchExample.txt

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (example)
$ touch BranchExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (example)
$ notepad BranchExample.txt
```

Use git add for update branch example, commit and use notepad command again

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git remote -v
origin  git@github.com:SPM-0T/lab-1-ABusyProgrammer.git (fetch)
origin  git@github.com:SPM-0T/lab-1-ABusyProgrammer.git (push)
```

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (example)
$ git add BranchExample.txt
```

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (example)
$ git commit -m "Create new branch and add a text file to it with some sample data"
[example 93b154e] Create new branch and add a text file to it with some sample data
3 files changed, 2 insertions(+), 1 deletion(-)
create mode 100644 .gitignore
create mode 100644 BranchExample.txt
delete mode 100644 IgnoreExample.txt
```

ABusyProgrammer Committing IgnoreFile.txt creation and update		Latest commit 31bac24 43 minutes
IgnoreExample.txt	Committing IgnoreFile.txt creation and update	43 minutes
Student	Initial Commit - Student file created with my name and student number	1 hour

Switch back to master branch

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (example)
$ git checkout master
Switched to branch 'master'
```

Use the same notepad command. Screenshot the outcome

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    deleted:    IgnoreExample.txt
```

Remove RemoveExample.txt (create one first if not present)

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ touch RemoveExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git add .

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ rm RemoveExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   RemoveExample.txt

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    deleted:    RemoveExample.txt
```

Commit

Branch: master ▾	New pull request	Create new file	Upload files	Find file	Clone or download
ABusyProgrammer removed RemoveExample.txt Latest commit d64be8c 24 seconds					
IgnoreExample.txt	Committing IgnoreFile.txt creation and update				1 hour
Student	Initial Commit - Student file created with my name and student number				1 hour

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git commit -m "removed RemoveExample.txt"
[master d64be8c] removed RemoveExample.txt
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 RemoveExample.txt

100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git push https://github.com/SPM-0T/lab-1-ABusyProgrammer master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 241 bytes | 241.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/SPM-0T/lab-1-ABusyProgrammer
6c0294b..d64be8c master -> master
```

Use git status and screenshot outcome 5

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Use clean command to remove the file completely

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git clean -n
```

Use git status and screenshot outcome

```
100651838@U0SL19-J16JZW2 MINGW64 ~/JetBrainsProjects/Lab1-Submission (master)
$ git status
On branch master
nothing to commit, working tree clean
```