Git & GitHub

Committing Basics Exercise

1. Create a new folder called `Shopping`

2. Initialize a new git repo inside of the `Shopping` folder (make sure you're not already inside of a Git repo!)

3. Make a new file called `yard.txt`

4. Make another new file called `groceries.txt`

5. Make a commit that includes both empty files. The message should be "create yard and groceries lists"

6. In the `yard.txt` file, add the following changes:

```
- 2 bags of potting soil
- 1 bag of worm castings
```

7. In the `groceries.txt` file, add the following:

```
- 4 tomatoes
- 6 shallots
- 1 fennel bulb
```

8. Make a new commit, including ONLY the changes from the `groceries.txt` file. The commit message should be "add ingredients for tomato soup"

9. Make a second commit including ONLY the changes to the `yard.txt` file. It should have the commit message "add items needed for garden box"

10. Next up, add the following line to the end of `groceries.txt`

```
- couple of seed potatos
```

11. In the `yard.txt` file, change the first line so that it says "3 bags of potting soil" instead of "2 bags of potting soil"

```
- 3 bags of potting soil
- 1 bag of worm castings
```

12. Make a commit that includes the changes to BOTH files. The message should read "add items needed to grow potatoes"

13. Use a Git command to display a list of the commits. You should see 4!

```
teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii
$ mkdir Shopping

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii (master)
$ ls
 Didatec.txt      Shopping/
'Scrum Guide'/

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii
$ cd shopping

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii/shopping
$ git init
Initialized empty Git repository in C:/Users/teofil.mihet/Desktop
/Documentatii/Shopping/.git/

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii/shopping (master)
$ touch yard.txt groceries.txt

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii/shopping (master)
$ git status
On branch master

No commits yet

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

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

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii/shopping (master)
$ git add .
```

```
teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii/shopping (master)
$ git commit -m "create yard and groceries list"
[master (root-commit) 053ca24] create yard and groceries list
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 groceries.txt
 create mode 100644 yard.txt

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii/shopping (master)
$ start .

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/docum
entatii/shopping (master)
$ git status
On branch master
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:   groceries.txt
        modified:   yard.txt

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

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentat
ii/shopping (master)
$ git add groceries.txt

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentat
ii/shopping (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   groceries.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:   yard.txt
```

```
teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentat
ii/shopping (master)
$ git commit -m "add ingredients for tomato soup"
[master efe6b77] add ingredients for tomato soup
 1 file changed, 3 insertions(+)

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentat
ii/shopping (master)
$ git status
On branch master
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:   yard.txt

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

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentat
ii/shopping (master)
$ git add yard.txt

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentat
ii/shopping (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   yard.txt


teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentat
ii/shopping (master)
$ git commit -m "add items needed for garden box"
[master 2185b56] add items needed for garden box
 1 file changed, 2 insertions(+)
```

```
teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentatii/shopp
ing (master)
$ start .

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentatii/shopp
ing (master)
$ git status
On branch master
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:   groceries.txt
        modified:   yard.txt

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

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentatii/shopp
ing (master)
$ git add .

teofil.mihet@PC310579 MINGW64 /c/users/teofil.mihet/desktop/documentatii/shopp
ing (master)
$ git commit -m "add items needed to grow potatoes"
[master 4df8bbc] add items needed to grow potatoes
 2 files changed, 2 insertions(+), 2 deletions(-)
```

```
commit d40d646b6e9d654ed2798403417f48121a96c652
Author: Teofil Mihet <mihet.te.teofil@student.utcluj.ro>
Date:   Thu Jul 13 12:19:45 2023 +0300

    add items needed to grow potatoes

commit 2185b56b600291decb82bdc556a6d2a6fbfbcc5c
Author: Teofil Mihet <mihet.te.teofil@student.utcluj.ro>
Date:   Thu Jul 13 12:18:04 2023 +0300

    add items needed for garden box

commit efe6b772bae2c4597a1d106b7a7d8c87fcee24b7
Author: Teofil Mihet <mihet.te.teofil@student.utcluj.ro>
Date:   Thu Jul 13 12:17:25 2023 +0300

    add ingredients for tomato soup

commit 053ca24a540d666ea6d99356ccb11c97159a455e
Author: Teofil Mihet <mihet.te.teofil@student.utcluj.ro>
Date:   Thu Jul 13 12:14:33 2023 +0300
```