

ASEN 4057 Assignment 4: Part 3

Tucker Emmett

Matt Funk

Group 9

2/27/17

I.

Part I was completed by both group members in their local repositories using the cd and mkdir commands in the terminal.

II.

1.

```
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk$ git branch
Current_Assignment
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk$ git checkout
Current_Assignment
Switched to branch 'Current_Assignment'
```
2. This step was done by using the mkdir and cd commands in the terminal.
3. This step was done by using the touch and nano commands in the terminal.
4.

```
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignm
ent_4/Part_3/Submission$ git add README.md
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignm
ent_4/Part_3/Submission$ git commit -m 'Commit 2'
[Current_Assignment b932dd7] Commit 2
1 file changed, 1 insertion(+) create mode 100644
Assignments/Assignment_4/Part_3/Submission/README.md
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignm
ent_4/Part_3/Submission$ git pull origin Current_Assignment
Username for 'https://github.com': mafu4674
Password for 'https://mafu4674@github.com':
From https://github.com/Aerospace-Software/Funk
* branch          Current_Assignment -> FETCH_HEAD
Merge made by the 'recursive' strategy.
Assignment_4/Part_3/Submission/README.md | 1 +
1 file changed, 1 insertion(+)
create mode 100644 Assignment_4/Part_3/Submission/README.md
```

```

matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignment_4/Part_3/Submission$ git push origin Current_Assignment
Username for 'https://github.com': mafu4674
Password for 'https://mafu4674@github.com':
Counting objects: 9, done.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (9/9), 865 bytes | 0 bytes/s, done.
Total 9 (delta 0), reused 0 (delta 0)
To https://github.com/Aerospace-Software/Funk.git
    d6f85ad..16ae89a  Current_Assignment -> Current_Assignment

```

5. Note that any command line outputs suggesting that components are “up to date” are due to the fact that these copy-pastes were completed after the group realized that copy-pastes were necessary.

```

tucker@tucker-VirtualBox:~/Documents$ git clone
https://github.com/Aerospace-Software/Funk.git
Cloning into 'Funk'...
Username for 'https://github.com': tuckerEmmett
Password for 'https://tuckerEmmett@github.com':
remote: Counting objects: 54, done.
remote: Compressing objects: 100% (24/24), done.
remote: Total 54 (delta 6), reused 0 (delta 0), pack-reused 3
Unpacking objects: 100% (54/54), done.
Checking connectivity... done.

```

6. This step was done using the cd and nano commands in the terminal.

7.


```

tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3
/Submission$ git checkout Current_Assignment
Branch Current_Assignment set up to track remote branch
Current_Assignment from origin.
Switched to a new branch 'Current_Assignment'
tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3
/Submission$ git add README.md
tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3
/Submission$ git commit
On branch Current_Assignment
Your branch is up-to-date with 'origin/Current_Assignment'.
nothing to commit, working directory clean
tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3
/Submission$ git push origin Current_Assignment
Username for 'https://github.com': tuckerEmmett
Password for 'https://tuckerEmmett@github.com':
Everything up-to-date

```

8. This step was done using the cd and nano commands in the terminal.

9. matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignment_4/Part_3/Submission\$ git pull origin Current_Assignment
 Username for 'https://github.com': mafu4674
 Password for 'https://mafu4674@github.com':
 remote: Counting objects: 7, done.
 remote: Compressing objects: 100% (3/3), done.
 remote: Total 7 (delta 0), reused 7 (delta 0), pack-reused 0
 Unpacking objects: 100% (7/7), done.
 From https://github.com/Aerospace-Software/Funk
 * branch Current_Assignment -> FETCH_HEAD
 e9ef30c..48b73af Current_Assignment -> origin/Current_Assignment
 Updating e9ef30c..48b73af
 Fast-forward
 Assignments/Assignment_4/Part_3/Submission/README.md | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)
 matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignment_4/Part_3/Submission\$ git add README.md
 matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignment_4/Part_3/Submission\$ git commit -m 'Second message'
 [Current_Assignment 1fb20a3] Second message
 1 file changed, 1 insertion(+), 1 deletion(-)

10. An error arises here because Member #1 only committed the changes made to README.md to the local repository. In order for the changes to be accessible by Member #2, Member #1 must push to the origin (remote repository).

11. matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Funk/Assignments/Assignment_4/Part_3/Submission\$ git push origin Current_Assignment
 Username for 'https://github.com': mafu4674
 Password for 'https://mafu4674@github.com':
 Counting objects: 7, done.
 Compressing objects: 100% (3/3), done.
 Writing objects: 100% (7/7), 526 bytes | 0 bytes/s, done.
 Total 7 (delta 1), reused 0 (delta 0)
 remote: Resolving deltas: 100% (1/1), completed with 1 local objects.
 To https://github.com/Aerospace-Software/Funk.git
 48b73af..1fb20a3 Current_Assignment -> Current_Assignment

12. tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3/Submission\$ git pull
 Username for 'https://github.com': tuckerEmmett
 Password for 'https://tuckerEmmett@github.com':
 Already up-to-date.

13. tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3/Submission\$ git checkout master
 Switched to branch 'master'

```
Your branch is up-to-date with 'origin/master'.
tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3
/Submission$ git branch
  Current_Assignment
* master
tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3
/Submission$ git merge Current_Assignment
Already up-to-date.
```

```
14.tucker@tucker-VirtualBox:~/Documents/Funk/Assignments/Assignment_4/Part_3
/Submission$ git push origin master
Username for 'https://github.com': tuckerEmmett
Password for 'https://tuckerEmmett@github.com':
Everything up-to-date
```

III.

```
matthew@matthew-VirtualBox:~/Documents/ASEN_4057$ git clone
https://github.com/Aerospace-Software/Shared.git
Cloning into 'Shared'...
Username for 'https://github.com': mafu4674
Password for 'https://mafu4674@github.com':
remote: Counting objects: 117, done.
remote: Compressing objects: 100% (98/98), done.
remote: Total 117 (delta 29), reused 0 (delta 0), pack-reused 6
Receiving objects: 100% (117/117), 24.12 MiB | 459.00 KiB/s, done.
Resolving deltas: 100% (29/29), done.
Checking connectivity... done.
matthew@matthew-VirtualBox:~/Documents/ASEN_4057$ ls
Funk  Shared
matthew@matthew-VirtualBox:~/Documents/ASEN_4057$ cd Shared
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Shared$ ls
Assignments  README.md
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Shared$ nano README.md
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Shared$ git add README.md
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Shared$ git commit -m 'Matt
Funk #3'
[master 2ec57e4] Matt Funk #3
matthew@matthew-VirtualBox:~/Documents/ASEN_4057/Shared$ git push
warning: push.default is unset; its implicit value has changed in
Git 2.0 from 'matching' to 'simple'. To squelch this message
and maintain the traditional behavior, use:
```

```
git config --global push.default matching
```

To squelch this message and adopt the new behavior now, use:

```
git config --global push.default simple
```

When `push.default` is set to 'matching', git will push local branches to the remote branches that already exist with the same name.

Since Git 2.0, Git defaults to the more conservative 'simple' behavior, which only pushes the current branch to the corresponding remote branch that 'git pull' uses to update the current branch.

See 'git help config' and search for 'push.default' for further information. (the 'simple' mode was introduced in Git 1.7.11. Use the similar mode 'current' instead of 'simple' if you sometimes use older versions of Git)

```
Username for 'https://github.com': mafu4674
Password for 'https://mafu4674@github.com':
Counting objects: 8, done.
Compressing objects: 100% (7/7), done.
Writing objects: 100% (8/8), 901 bytes | 0 bytes/s, done.
Total 8 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local objects.
To https://github.com/Aerospace-Software/Shared.git
    4ec9705..2ec57e4  master -> master
```

The following lines of command line operations have been included for the sake of completeness. These operations outline the process undertaken to add new data to a Shared file in a github repository.

```
tucker@tucker-VirtualBox:~/Documents$ git clone https://github.com/Aerospace-Software/Shared.git
Cloning into 'Shared'...
Username for 'https://github.com': tuckerEmmett
Password for 'https://tuckerEmmett@github.com':
remote: Counting objects: 146, done.
remote: Compressing objects: 100% (126/126), done.
remote: Total 146 (delta 38), reused 0 (delta 0), pack-reused 6
Receiving objects: 100% (146/146), 24.12 MiB | 8.56 MiB/s, done.
Resolving deltas: 100% (38/38), done.
Checking connectivity... done.
tucker@tucker-VirtualBox:~/Documents$ nano README.md
tucker@tucker-VirtualBox:~/Documents$ cd Shared/
tucker@tucker-VirtualBox:~/Documents/Shared$ nano README.md
tucker@tucker-VirtualBox:~/Documents/Shared$ git add README.md
tucker@tucker-VirtualBox:~/Documents/Shared$ git commit
On branch master
Your branch is up-to-date with 'origin/master'.
nothing to commit, working directory clean
tucker@tucker-VirtualBox:~/Documents/Shared$ git push origin master
```

Username for 'https://github.com': tuckerEmmett
Password for 'https://tuckerEmmett@github.com':
Everything up-to-date