Git Assignment 5: Working with Multiple Branches

Scenario:

Your project uses Git Flow. New features are developed on feature branches, merged into develop, and only stable code is merged into main.

Output Commands:

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (main) \$ git checkout -b user-profile Switched to a new branch 'user-profile'

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile) \$ code .

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile) \$ git add .

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile)
\$ git status
On branch user-profile
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
new file: profile.html
modified: secrets.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)
(commit or discard the untracked or modified content in submodules)
modified: Git-Assignment1-repo (untracked content)

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile)
\$ Is -Ia
total 13
drwxr-xr-x 1 Faizan Khan 197121 0 Sep 10 12:34 ./
drwxr-xr-x 1 Faizan Khan 197121 0 Sep 9 17:02 ../

```
drwxr-xr-x 1 Faizan Khan 197121 0 Sep 10 12:35 .git/
-rw-r--r-- 1 Faizan Khan 197121 11 Sep 10 12:03 .gitignore
drwxr-xr-x 1 Faizan Khan 197121 0 Sep 10 10:31 Git-Assignment1-repo/
-rw-r--r-- 1 Faizan Khan 197121 73 Sep 9 17:08 README.md
-rw-r--r-- 1 Faizan Khan 197121 93 Sep 10 10:39 config.json
```

-rw-r--r-- 1 Faizan Khan 197121 27 Sep 10 12:35 profile.html

-rw-r--r-- 1 Faizan Khan 197121 26 Sep 10 12:05 secrets.txt

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile)
\$ git commit -m "Added profile.html file successfully"
[user-profile a28cd0e] Added profile.html file successfully
2 files changed, 2 insertions(+), 1 deletion(-)
create mode 100644 profile.html

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile)
\$ git status
On branch user-profile
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)
 (commit or discard the untracked or modified content in submodules)
 modified: Git-Assignment1-repo (untracked content)

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

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile) \$ git push

fatal: The current branch user-profile has no upstream branch. To push the current branch and set the remote as upstream, use

git push --set-upstream origin user-profile

To have this happen automatically for branches without a tracking upstream, see 'push.autoSetupRemote' in 'git help config'.

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile) \$ git push --set-upstream origin user-profile Enumerating objects: 6, done. Counting objects: 100% (6/6), done.

Delta compression using up to 4 threads Compressing objects: 100% (2/2), done.

Writing objects: 100% (4/4), 382 bytes | 382.00 KiB/s, done. Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

remote:

remote: Create a pull request for 'user-profile' on GitHub by visiting:

remote: https://github.com/Mehboob7738/Git-Assignment1-repo/pull/new/user-profile

remote:

To https://github.com/Mehboob7738/Git-Assignment1-repo.git

* [new branch] user-profile -> user-profile

branch 'user-profile' set up to track 'origin/user-profile'.

Faizan Khan@DESKTOP-PJNPHFL MINGW64

/d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile)

\$ git merge user-profile develop

Already up to date.

Faizan Khan@DESKTOP-PJNPHFL MINGW64

/d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile)

\$ git merge develop user-profile

Already up to date.

Faizan Khan@DESKTOP-PJNPHFL MINGW64

/d/DevOPs/Git-Assignment/Git-Assignment1-repo (user-profile)

\$ git checkout develop

M Git-Assignment1-repo

Switched to branch 'develop'

Faizan Khan@DESKTOP-PJNPHFL MINGW64

/d/DevOPs/Git-Assignment/Git-Assignment1-repo (develop)

\$ git merge user-profile develop

Updating 81a3859..a28cd0e

Fast-forward

.gitignore | 1 +

config.json | 4 ++++

profile.html | 1 +

secrets.txt | 1 +

4 files changed, 7 insertions(+)

create mode 100644 .gitignore

create mode 100644 config.json

create mode 100644 profile.html

create mode 100644 secrets.txt

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (develop) \$ git merge --no-ff user-profile Already up to date.

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (develop)
\$ git push
fatal: The current branch develop has no upstream branch.

To push the current branch and set the remote as upstream, use

git push --set-upstream origin develop

To have this happen automatically for branches without a tracking upstream, see 'push.autoSetupRemote' in 'git help config'.

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (develop) \$ git add .

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (develop)
\$ git status
On branch develop
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)
(commit or discard the untracked or modified content in submodules)
modified: Git-Assignment1-repo (untracked content)

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

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (develop) \$ git push origin develop Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0) remote:

remote: Create a pull request for 'develop' on GitHub by visiting:

remote: https://github.com/Mehboob7738/Git-Assignment1-repo/pull/new/develop remote:

T 1 11 11 11 1

To https://github.com/Mehboob7738/Git-Assignment1-repo.git

* [new branch] develop -> develop

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (develop)
\$ git checkout main
M Git-Assignment1-repo
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (main)
\$ git pull origin main
From https://github.com/Mehboob7738/Git-Assignment1-repo
* branch main -> FETCH_HEAD
Already up to date.

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (main)
\$ git merge develop main
Updating 8f750bc..a28cd0e
Fast-forward
profile.html | 1 +
secrets.txt | 2 +2 files changed, 2 insertions(+), 1 deletion(-)
create mode 100644 profile.html

Faizan Khan@DESKTOP-PJNPHFL MINGW64
/d/DevOPs/Git-Assignment/Git-Assignment1-repo (main)
\$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Mehboob7738/Git-Assignment1-repo.git
8f750bc..a28cd0e main -> main

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (main) \$ git tag -a v1.1.0 -m "Release v1.1.0"

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (main) \$ git tag --list v1.1.0

Faizan Khan@DESKTOP-PJNPHFL MINGW64 /d/DevOPs/Git-Assignment/Git-Assignment1-repo (main) \$ git push Everything up-to-date Faizan Khan@DESKTOP-PJNPHFL MINGW64

/d/DevOPs/Git-Assignment/Git-Assignment1-repo (main)

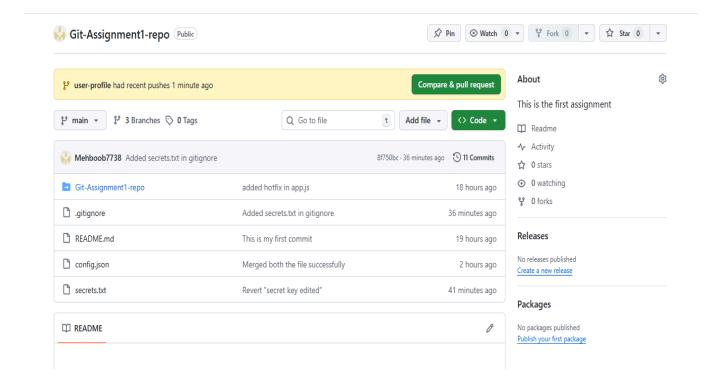
\$ git push origin --tags

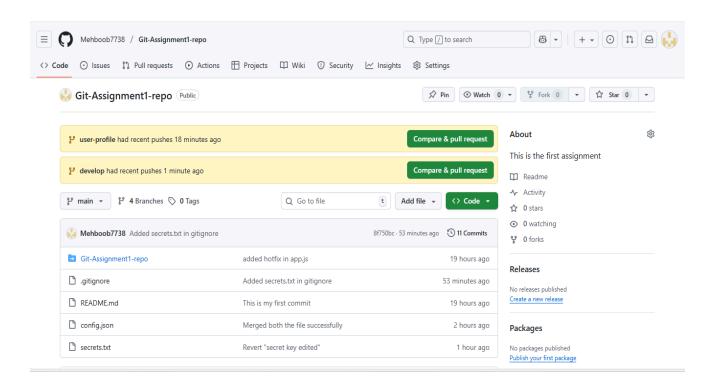
Enumerating objects: 1, done.

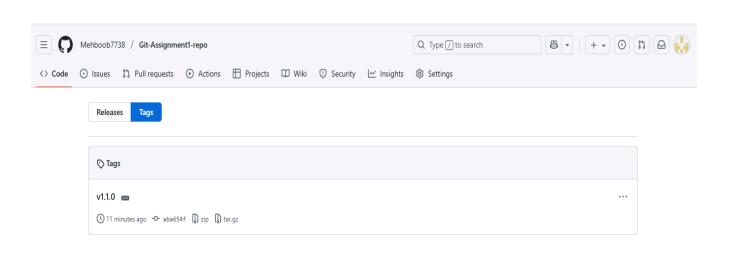
Counting objects: 100% (1/1), done.

Writing objects: 100% (1/1), 162 bytes | 162.00 KiB/s, done. Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0) To https://github.com/Mehboob7738/Git-Assignment1-repo.git

* [new tag] v1.1.0 -> v1.1.0







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