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)
$ ls -la
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:
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

Git-Assignment1-repo Public

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user-profile had recent pushes 1 minute ago

Compare & pull request

main   3 Branches   0 Tags   Go to file   t   Add file   <> Code

Mehboob7738 Added secrets.txt in gitignore   8f750bc · 36 minutes ago   11 Commits

Git-Assignment1-repo	added hotfix in app.js	18 hours ago
.gitignore	Added secrets.txt in gitignore	36 minutes ago
README.md	This is my first commit	19 hours ago
config.json	Merged both the file successfully	2 hours ago
secrets.txt	Revert "secret key edited"	41 minutes ago

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⎇ **user-profile** had recent pushes 18 minutes ago   **Compare & pull request**

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Mehboob7738 Added secrets.txt in gitignore   8f750bc · 53 minutes ago   ◷ 11 Commits

📂 Git-Assignment1-repo	added hotfix in app.js	19 hours ago
📄 .gitignore	Added secrets.txt in gitignore	53 minutes ago
📄 README.md	This is my first commit	19 hours ago
📄 config.json	Merged both the file successfully	2 hours ago
📄 secrets.txt	Revert "secret key edited"	1 hour ago

About ⚙

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◷ 11 minutes ago   ⊶ aba654f   📄 zip   📄 tar.gz