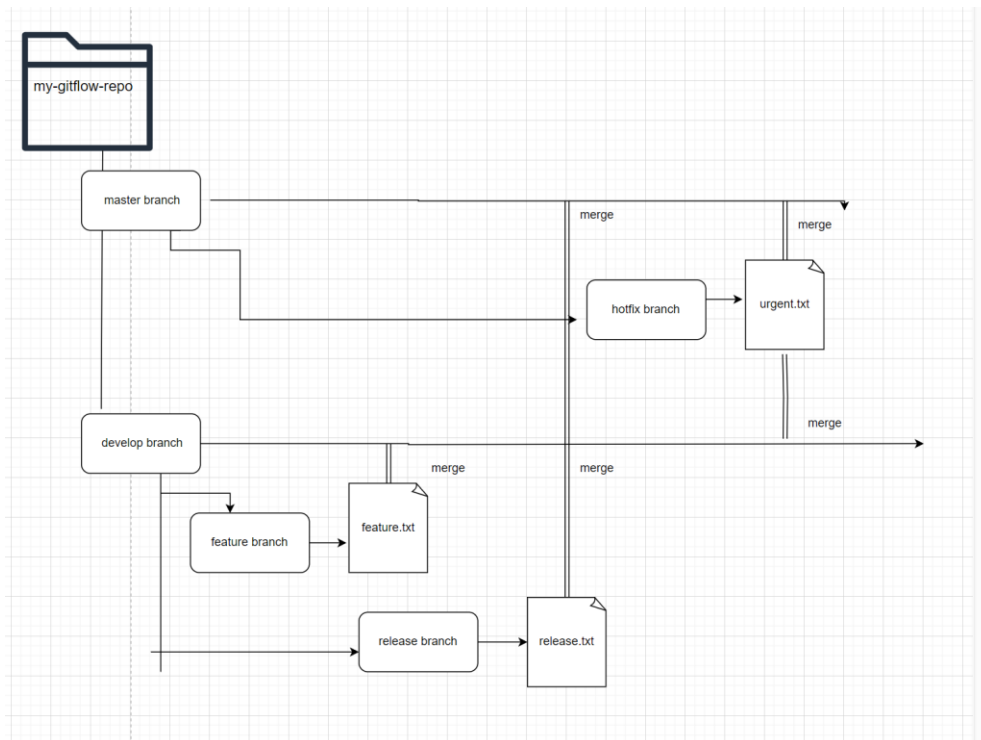


Module-2: GIT Assignment - 5

You have been asked to:

- Create a gitflow workflow architecture on git
- Create all the required branches
- Starting from the feature branch, push the branch to the master, following the architecture
- Push a urgent.txt on master using hotfix

Solution:



1) Initialize Repository:

- a) git init
- b) mkdir my-gitflow-repo
- c) cd my-gitflow-repo

```

git $git init
Reinitialized existing Git
repository in C:/Users/bh
ats/.git/
git $pwd
/c/Users/bhats
git $cd .git
git $pwd
/c/Users/bhats/.git
git $mkdir gitflow-architecture
git $cd gitflow-architecture
git $ll
total 0
git $ls
git $pwd
/c/Users/bhats/.git/gitflow-architecture
git $

```

2) create branches:

- creating develop branch ----- git checkout -b develop
- creating feature branch from develop -----git checkout -b feature develop

```

git $git checkout -b develop
Switched to a new branch 'develop'
git $git checkout -b feature develop
Switched to a new branch 'feature'
git $git branch
  develop
* feature
  master
git $

```

- push develop branch to git hub ----- git push <https://github.com/poulomi-design999/Devops.git> develop
- push feature branch to git hub ----- git push <https://github.com/poulomi-design999/Devops.git> feature

```

git $git push https://github.com/poulomi-design999/Devops.git develop
Enumerating objects: 16, done.
Counting objects: 100% (16/16), done.
Delta compression using up to 16 threads
Compressing objects: 100% (13/13), done.
Writing objects: 100% (16/16), 1.31 KiB | 1.31 MiB/s, done.
Total 16 (delta 5), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (5/5), done.
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:   https://github.com/poulomi-design999/Devops/pull/new/develop
To https://github.com/poulomi-design999/Devops.git
 * [new branch]   develop -> develop
git $

```

```

git $git push https://github.com/poulomi-design999/Devops.git feature
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/poulomi-design999/Devops/pull/new/feature
To https://github.com/poulomi-design999/Devops.git
 * [new branch]   feature -> feature
git $

```

3) Work on feature branch:

- Switch to feature branch ----- git checkout feature
- Create a file ----- touch feature.txt
- Add some content ----- echo "welcome" > feature.txt
- Stage the file ----- git add feature.txt
- Commit ----- git commit -m "Adding feature.txt "

```

git $git checkout feature
Already on 'feature'
git $touch feature.txt
git $echo "welcome" > feature.txt
git $git add feature.txt
warning: in the working copy of 'gitflow-architecture/feature.txt', LF will
be replaced by CRLF the next time Git touches it
git $git commit -m "Adding feature.txt "
[feature b585370] Adding feature.txt
 1 file changed, 1 insertion(+)
 create mode 100644 gitflow-architecture/feature.txt
git $

```

4) Merge feature into develop:

- a) Switch to develop branch ----- git checkout develop
- b) Merge feature branch to develop ----- git merge feature

```
git $git checkout develop
Switched to branch 'develop'
git $git merge feature
Updating b67b937..b585370
Fast-forward
  gitflow-architecture/feature.txt | 1 +
  1 file changed, 1 insertion(+)
  create mode 100644 gitflow-architecture/feature.txt
git $|
```

5) Create release branch

- a) git checkout -b release develop
- b) create a file ----- echo "code for release" > release.txt
- c) stage ----- git add release.txt
- d) commit ----- git commit -m "Prepare release "
- e) push release branch to git hub ----- git push <https://github.com/poulomi-design999/Devops.git> release

```
git $git checkout release
Switched to branch 'release'
git $echo "code for release" > release.txt
git $git add release.txt
warning: in the working copy of 'gitflow-architecture/release.txt', LF will
be replaced by CRLF the next time Git touches it
git $git commit -m "Prepare release "
[release 0cf2934] Prepare release
  1 file changed, 1 insertion(+)
  create mode 100644 gitflow-architecture/release.txt
git $git push https://github.com/poulomi-design999/Devops.git release
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 16 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (8/8), 654 bytes | 654.00 KiB/s, done.
Total 8 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote: Create a pull request for 'release' on GitHub by visiting:
remote:   https://github.com/poulomi-design999/Devops/pull/new/release
remote:
to https://github.com/poulomi-design999/Devops.git
 * [new branch]      release -> release
git $
```

6) Merge release into master and develop:

- a) Switch to master branch -----git checkout master
- b) Merge ----- git merge release

```
git $git checkout master
Switched to branch 'master'
git $git merge release
Updating b67b937..0cf2934
Fast-forward
  gitflow-architecture/feature.txt | 1 +
  gitflow-architecture/release.txt | 1 +
  2 files changed, 2 insertions(+)
  create mode 100644 gitflow-architecture/feature.txt
  create mode 100644 gitflow-architecture/release.txt
git $
```

- c) Switch to develop ----- git checkout develop
- d) Merge ----- git merge release

```
git $git checkout develop
Switched to branch 'develop'
git $git merge release
Updating b585370..0cf2934
Fast-forward
  gitflow-architecture/release.txt | 1 +
  1 file changed, 1 insertion(+)
  create mode 100644 gitflow-architecture/release.txt
git $|
```

7) Create hotfix branch:

- a) git checkout -b hotfix master
- b) create a file ----- touch urgent.txt
- c) put some contents ----- echo "high priority" > urgent.txt
- d) stage ----- git add urgent.txt
- e) commit ----- git commit -m "Add urgent.txt"

```
git $git checkout -b hotfix master
Switched to a new branch 'hotfix'
git $touch urgent.txt
git $echo "high priority" > urgent.txt
git $git add urgent.txt
warning: in the working copy of 'gitflow-architecture/urgent.txt', LF will b
e replaced by CRLF the next time Git touches it
git $git commit -m "Add urgent.txt"
[hotfix 0b3b6fa] Add urgent.txt
1 file changed, 1 insertion(+)
create mode 100644 gitflow-architecture/urgent.txt
git $
```

8) Merge hotfix into master and develop:

- a) git checkout master
- b) git merge hotfix

```
git $git checkout master
Switched to branch 'master'
git $git merge hotfix
Updating 0cf2934..0b3b6fa
Fast-forward
 gitflow-architecture/urgent.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 gitflow-architecture/urgent.txt
git $
```

- c) git checkout develop
- d) git merge hotfix

```
git $git checkout develop
Switched to branch 'develop'
git $git merge hotfix
Updating 0cf2934..0b3b6fa
Fast-forward
 gitflow-architecture/urgent.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 gitflow-architecture/urgent.txt
git $
```