

**DevOps-Module-02 Git-Assignment-5 COMPLETED by Nagesha KS**  
**Please check the following screenshots for each question.**

**Tasks To Be Performed:**

1. Create a Git Flow workflow architecture on Git
2. Create all the required branches
3. Starting from the feature branch, push the branch to the master, following the architecture
4. Push a urgent.txt on master using hotfix

Start Course | Intellipaat x Nag9516/Nagesha-Git-Flow in x +

github.com/Nag9516/Nagesha-Git-Flow

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Intellipaat's Git Assignment - Git Flow workflow

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Nag9516 Initial commit 8047b90 · now 1 Commit

README.md Initial commit now

README

Nagesha-Git-Flow

Intellipaat's Git Assignment - Git Flow workflow

Windows taskbar: 22:11 29-08-2024

```
MINGW64/c/Users/My/Nagesha-Git-Flow
Nagesha K S@DESKTOP-CF6PM4L MINGW64 ~
$ git clone https://github.com/Nag9516/Nagesha-Git-Flow.git
Cloning into 'Nagesha-Git-Flow'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.

Nagesha K S@DESKTOP-CF6PM4L MINGW64 ~
$ cd Nagesha-Git-Flow


Nagesha K S@DESKTOP-CF6PM4L MINGW64 ~/Nagesha-Git-Flow (main)
$ pwd
/c/Users/My/Nagesha-Git-Flow

Nagesha K S@DESKTOP-CF6PM4L MINGW64 ~/Nagesha-Git-Flow (main)
$
```

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```
MINGW64/c/Users/My/Nagesha-Git-Flow
Nagesha@S8DESKTOP-CF6H4L MINGW64 ~/Nagesha-Git-Flow (main)
$ git-Flow version
1.12.3 (AVM Edition)
Nagesha@S8DESKTOP-CF6H4L MINGW64 ~/Nagesha-Git-Flow (main)
$
```

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MINGW64/c/Users/My/nagesha-devops-project/nag

```
Nagesha K SDESKTOP-CF8H94L MINGW64 ~/nagesha-devops-project/nag (private)
$ ls -l
total 6
drwxr-xr-x 1 Nagesha K 5 197121 0 Aug 29 22:38 Nagesha-Git-Flow/
drwxr-xr-x 1 Nagesha K 5 197121 0 Aug 29 00:05 git-project-1/
drwxr-xr-x 1 Nagesha K 5 197121 0 Aug 29 00:45 git-project-2/
-rw-r--r-- 1 Nagesha K 5 197121 55 Aug 29 19:21 master.txt
-rw-r--r-- 1 Nagesha K 5 197121 54 Aug 29 19:22 public1.txt

Nagesha K SDESKTOP-CF8H94L MINGW64 ~/nagesha-devops-project/nag (private)
$
```

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22:39  
29-08-2024

MINGW64:/c/Users/My/nagesha-devops-project/nag

```
Nagesha K S@DESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (private)
$ ls -l
total 6
drwxr-xr-x 1 Nagesha K S 197121 0 Aug 29 22:38 Nagesha-Git-Flow/
drwxr-xr-x 1 Nagesha K S 197121 0 Aug 29 00:05 git-project-1/
drwxr-xr-x 1 Nagesha K S 197121 0 Aug 29 00:45 git-project-2/
-rw-r--r-- 1 Nagesha K S 197121 55 Aug 29 19:21 master.txt
-rw-r--r-- 1 Nagesha K S 197121 34 Aug 29 19:22 public1.txt

Nagesha K S@DESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (private)
$ git flow version
1.12.3 (AVH Edition)

Nagesha K S@DESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (private)
$ git checkout -b develop
Switched to a new branch 'develop'
```

```
MINGW64/c:/Users/My/nagesha-devops-project/nag

nagesha < SDESKTOP-CF8H4L MINGW64 ~/nagesha-devops-project/nag (develop)
$ git flow feature start add-login
Fatal: Not a gitFlow-enabled repo yet. Please run 'git flow init' first.

nagesha < SDESKTOP-CF8H4L MINGW64 ~/nagesha-devops-project/nag (develop)
$ git flow init

Which branch should be used for bringing forth production releases?
- develop
- master
- private
- public-1
- public-2
Branch name for production releases: [master] master

Which branch should be used for integration of the "next release"?
- develop
- private
- public-1
- public-2
Branch name for "next release" development: [develop] develop

How to name your supporting branch prefixes?
Feature branches? [feature/] private
Bugfix branches? [bugfix/] hotstar
Release branches? [release/] release
Hotfix branches? [hotfix/] hotfix
Support branches? [support/] support
Version tag prefix? [] v
Hooks and filters directory? [C:/Users/My/nagesha-devops-project/nag/.git/hooks]

nagesha < SDESKTOP-CF8H4L MINGW64 ~/nagesha-devops-project/nag (develop)
$ |
```

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MINGW64/c:/Users/My/nagesha-devops-project/nag

```
Nagesha < SROESKTOP-CF6H4L MINGW64 ~/nagesha-devops-project/nag (develop)
$ git Flow feature start add-login
Switched to a new branch 'privateadd-login'
```

Summary of actions:

- A new branch 'privateadd-login' was created, based on 'develop'
- You are now on branch 'privateadd-login'

Now, start committing on your feature. When done, use:

```
git Flow feature finish add-login
```

```
Nagesha < SROESKTOP-CF6H4L MINGW64 ~/nagesha-devops-project/nag (privateadd-log
in)
```

```
$ echo "<h1>Login Page</h1>">login.html
```

```
Nagesha < SROESKTOP-CF6H4L MINGW64 ~/nagesha-devops-project/nag (privateadd-log
in)
```

```
$ git add login.html
```

warnings: in the working copy of 'login.html', LF will be replaced by CRLF the ne  
xt time Git touches it

```
Nagesha < SROESKTOP-CF6H4L MINGW64 ~/nagesha-devops-project/nag (privateadd-log
in)
```

```
$ git commit -m "Add login page feature"
```

```
[privateadd-login 016c84c] Add login page feature
```

```
1 file changed, 1 insertion(+)
```

```
create mode 100644 login.html
```

```
Nagesha < SROESKTOP-CF6H4L MINGW64 ~/nagesha-devops-project/nag (privateadd-log
in)
```

```
$ git flow feature finish add-login
```

```
Switched to branch 'develop'
```

```
Updating 62090fd..016c84c
```

```
Fast-forward
```

```
 login.html | 1 +
```

```
1 file changed, 1 insertion(+)
```

```
create mode 100644 login.html
```

```
Deleted branch privateadd-login (was 016c84c).
```

Summary of actions:

- The feature branch 'privateadd-login' was merged into 'develop'
- Feature branch 'privateadd-login' has been locally deleted
- You are now on branch 'develop'

```
Nagesha < SROESKTOP-CF6H4L MINGW64 ~/nagesha-devops-project/nag (develop)
```

```
$
```

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22:47  
29-08-2024



MINGW64/c/Users/My/nagesha-devops-project/nag

```
nagesha K SRDESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (master)
$ git flow hotfix start urgent-fix
Switched to a new branch 'hotfixurgent-fix'

Summary of actions:
- A new branch 'hotfixurgent-fix' was created, based on 'master'
- You are now on branch 'hotfixurgent-fix'

Follow-up actions:
- Start committing your hot fixes
- Bump the version number now!
- When done, run:

    git flow hotfix finish 'urgent-fix'

nagesha K SRDESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (hotfixurgent-
fix)
$ echo "This is an urgent fix.">urgent.txt

nagesha K SRDESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (hotfixurgent-
fix)
$ git add urgent.txt
warning: in the working copy of 'urgent.txt', LF will be replaced by CRLF the ne
xt time Git touches it

nagesha K SRDESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (hotfixurgent-
fix)
$ git commit -m "Add urgent fix in urgent.txt"
[hotfixurgent-fix c3d9bcd] Add urgent fix in urgent.txt
1 file changed, 1 insertion(+)
create mode 100644 urgent.txt

nagesha K SRDESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (hotfixurgent-
fix)
$ git flow hotfix finish urgent-fix
Switched to branch 'master'
Merge made by the 'ort' strategy.
urgent.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 urgent.txt
fatal: no tag message?
fatal: Tagging failed. Please run finish again to retry.

nagesha K SRDESKTOP-CF6HM4L MINGW64 ~/nagesha-devops-project/nag (master)
$ |
```

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22:59  
29-08-2024

MINGW64/c/Users/My/nagesha-devops-project/nag

```
Nagesha K. SPOKESMAN@MINGW64 ~/nagesha-devops-project/nag (master)
$ git branch -a
  develop
  hotfix/urgent-fix
* master
  private
  public-1
  public-2
  releasev1.0.0

Nagesha K. SPOKESMAN@MINGW64 ~/nagesha-devops-project/nag (master)
$ |
```

Activate Windows  
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23:00  
29-08-2024

```
MINGW64/c/Users/My/nagesha-devops-project/nag
nagesha@MINGW64:~/nagesha-devops-project/nag (master)
$ git log --oneline --graph --decorate
* 78d5be1 (HEAD -> master) Merge branch 'hotfixurgent-Fix'
* c3d9bcd (hotfixurgent-Fix) Add urgent fix in urgent.txt
* d1b8dea Merge branch 'releasev1.0.0' quit d1b8dea aborts it the commit.
* 016c84c (releasev1.0.0, develop) Add login page feature
* 62090fd (private) Update master with changes from private
* 4c9c4ed Edit master.txt on private branch
* a5e4b7c Add public1.txt on public-1 branch
* 91436ee Add master.txt on the master branch
nagesha@MINGW64:~/nagesha-devops-project/nag (master)
$
```

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## Git Commands

```
git flow init
git flow feature start add-login
git checkout -b develop
echo "<h1>Login Page</h1>" > login.html
git add login.html
git commit -m "Add login page feature"
git flow feature finish add-login
git flow release start v1.0.0
git flow release finish v1.0.0
git flow hotfix start urgent-fix
echo "This is an urgent fix." > urgent.txt
git add urgent.txt
git commit -m "Add urgent fix in urgent.txt"
git flow hotfix finish urgent-fix
git branch -a # Lists all local and remote branches
```