**CASE STUDY - GIT WORKFLOW**

**Problem Statement:**

**You work as a Devops Architect in Zendriix Softwares. The company has been struggling to manage their product releases. The releases should happen on 25th of every month. Suggest a Git Workflow Architecture for this requirement.**

**Simulate this workflow, by creating a pseudo code files and branches, and upload the same to your GitHub Account.**

**As a part of solution, share the link to your GitHub repository.**

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**Git Workflow architecture:** [**https://github.com/Sivakami-vinoth/Intellipaat-git-workflow.git**](https://github.com/Sivakami-vinoth/Intellipaat-git-workflow.git)

**● Create a gitflow workflow architecture on git**

* created master.txt on master branch

mkdir git-assignment5

cd git-assignment5

git init

touch master.txt

ls

git add master.txt

git commit -m "adding master.txt to master branch"

**● Create all the required branches**

* Created branches develop, f1 and f2
* Created f1.txt and f2.txt on f1 and f2 branch respectively.

git branch develop

git branch f1

git branch f2

git anch

git checkout develop

git checkout f1

git branch

touch f1.txt

git add f1.txt

git commit -m "adding f1.txt to f1 branch"

ls

git checkout f2

git branch

touch f2.txt

git add f2.txt

git commit -m "adding f2.txt to f2 branch"

ls

**● Starting from the feature branch, push the branch to the master, following the architecture**

* Merge f1 and f2 branch on develop branch
* Merge develop branch on master branch

git checkout develop

git branch

ls

git merge f1

ls

git merge f2

ls

git checkout master

git branch

ls

git merge develop

ls

**● Push a urgent.txt on master using hotfix**

* Created a new branch hotfix with urgent.txt
* Merge hotfix branch on master branch

git branch hotfix

git branch

git checkout hotfix

touch urgent.txt

git add urgent.txt

git commit -m "adding urgent.txt to hotfix branch"

ls

git branch

git checkout master

ls

git merge hotfix

ls

history

**● Pushed to the github repository**

git branch

git remote add origin https://github.com/Sivakami-vinoth/Intellipaat-git-workflow.git

git remote -v

git push origin --all

history

**As a part of solution, share the link of your GitHub**

<https://github.com/Sivakami-vinoth/Intellipaat-git-workflow.git>

