

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.

Solution :

Branches to be created : Master/Main , Development , Features , Release

MASTER / MAIN BRANCH :

- Stable and tested code should be merged in this branch .
- Represents the production ready code .
- New releases needs to be released only from this branch .
- No new code should be pushed into this branch without testing .

DEVELOPMENT BRANCH :

- Development Branch needs to be used for all the feature developments .
- Developers need to work on the feature branches and merge the changes into the development branch
- Code needs to be tested but not pushed to production from this branch .
- Continuous Integration and Continuous Deployment / Delivery pipeline needs to setup for testing and deployment purpose .

FEATURE BRANCH :

- When working for a new feature , developers need to create separate branches called feature branches to work on those features / bugs .
- After working on the feature , developers need to create a pull request and merge the changes to the development branch .

RELEASE BRANCH :

- Release Branch needs to created from the development branch and only stable codes to be committed to this branch .

- No new changes needs to be done few days prior to 25th (Release date)
- Can use script to automate the release process on 25th of every month .

Github Link :